國立高雄科技大學第三任校長候選人基本資料表

114 年 4 月 11 日本校第三任校長遴選委員會第一次會議審議通過

推薦截止日期民國 114 年 5 月 21 日

姓名	(中) 潘敏雄 (英) Pan, Min-Hsiung	性別	出生年月日 (須民國 **50** 年 **2** 月 **2** 日以後出生)	
		☑ 男 □ 女		
通訊資料	➢地址 ➢電話 ➢手機 ➢傳真 ➢電子信箱			
教授證書 (無者免填)	教字第 0 一五八四三號 ； 起資年月： 民國 96 年 08 月			

	服務機關與單位名稱		專兼任	職稱	到職月日*
現職	國立台灣大學 食品科技研究所		專任	特聘教授	2013 年 8 月 1 日
大學以上學歷	**學校名稱**	**院系所**	**論文指導者**	**學位**	**修業起迄年月***
	國立台灣大學	生化學研究所 (現生物化學暨分子生物學研究所)	林仁混	博士	民國 85 年 09 月至 89 年 08 月
	國立海洋大學	食品科學研究所	龔瑞林	碩士	民國 82 年 09 月至 84 年 08 月
	國立海洋大學	水產食品科學		學士	民國 80 年 09 月至 82 年 08 月
重要經歷	**服務機關名稱**		**專兼任 (含兼職)**	**職稱**	**任職起迄年月* （由現職經歷回溯填起）**
	國立台灣大學食品科技研究所		專任	特聘教授	民國 104 年 08 月至今
	大樹醫藥股份有限公司		兼任	獨立董事	民國 112 年 05 月至今
	國立台灣大學食品科技研究所		兼任	所長	民國 107 年 08 月至 113 年 07 月
	國立台灣大學 農學院農業試驗場		兼任	場長	民國 108 年 08 月至 112 年 07 月

	國立台灣大學食品科技研究所	專任	教授	民國 102 年 08 月至 107 年 07 月
	台灣農業化學會	兼任	理事	民國 108 年 08 月至 112 年 09 月
	台灣農業化學會	兼任	常務理事	民國 112 年 09 月至 114 年 09 月
	國立高雄海洋科技大學	兼任	研發長	民國 101 年 08 月至 102 年 07 月
	國立高雄海洋科技大學	兼任	副教務長	民國 100 年 08 月至 101 年 07 月
	國立高雄海洋科技大學 實習就業暨校友服務中心	兼任	主任	民國 98 年 08 月至 100 年 01 月
	國立高雄海洋科技大學 水產食品科學系	兼任	系主任	民國 94 年 08 月至 97 年 07 月

說明：

一、請檢附下列證明文件：(如為外國文件，請附中譯本並公證)

(一)最高學歷學位證書影本(國外學歷學位證書應經駐外單位驗證)。

(二)中央研究院院士或教授或曾任相當教授之教學、學術研究工作證明或擔任同級學校校長證明影本。

(三)曾任主管職務及各項經歷證明文件影本。

二、以上各項資格與年資之計算，採認核計至本案收件截止日（114 年 5 月 21 日）為止。

三、校長候選人務必就表內「具備之資格條件」勾選，本校校長遴選委員會將依校長候選人勾選項目進行資格審查。

四、本案收件截止日前 3 年內（即 111 年 5 月 22 日【含】以後）如有下列【兼職】，請務必填列：

(一)營利事業機構職務。

(二)財團法人董、監事或其他執行業務之重要職務。

(三)其他重要職務。

五、本表欄位不敷使用時，請自行延伸接續，並請以Ａ4 格式紙張繕打。本表資料除紙本 1 份外，並請繳交 WORD 電子檔。

國立高雄科技大學第三任校長候選人
著作、作品及發明目錄

編號	名稱	出版刊物	出版時間	內容摘要	備註
學術發表					
1	Nobiletin enhances skeletal muscle mass and modulates bile acid composition in diet-induced obese mice	Journal of Agricultural and Food Chemistry	2025, Apr	Our study highlights the potential of nobiletin as a therapeutic agent for preventing obesity-related complications, regulating bile acid metabolism, and promoting skeletal muscle health.	通訊作者
2	Apple polyphenol phloretin inhibits type II glucose transporter and enhances anti-HER2 antibody drug binding as an adjuvant treatment for HER2-positive breast cancer	Food Science and human wellness	2025, Apr	This study presents novel findings on the potential of phloretin, an apple polyphenol, to enhance the effectiveness of anti-human epidermal growth factor receptor-2 (HER2) antibody therapy in HER2-positive breast cancer patients.	共同作者
3	Enhancing the physicochemical properties, bioactivity, and functional applications of fresh jujube juice using media milling	ACS Omega	2025, Mar	This study systematically evaluated the effects of media milling on the physicochemical properties, bioactive compound content, and functional applications of fresh jujube (Ziziphus jujuba Mill.) juice.	通訊作者
4	Enhancing lung recovery: inhaled poly(lactic-co-glycolic) acid encapsulating FTY720 and nobiletin for lipopolysaccharide-induced lung injury, with advanced inhalation tower technology	ACS Nano	2025, Feb	We provided the feasibility of administering inhalation of NPs noninvasively with continuous monitoring of lung function. The aerosolized FTY720-NOB-PLGA NPs we developed show excellent promise for acute lung injury therapy in the future.	共同作者

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5	Histamine n-methyltransferase (hnmt) as a potential auxiliary biomarker for predicting adaptability to anti-HER2 drug treatment in breast cancer patients	Biomarker Research	2025, Jan	These findings offer crucial insights for clinicians evaluating candidates for anti-HER2 therapy, especially for HER2-low breast cancer patients who could gain from T-Dxd treatment. Identifying HNMT expression could help clinicians pinpoint patients who would benefit from anti-HER2 therapy.	共同作者
6	Bisdemethoxycurcumin and curcumin alleviate inflammatory bowel disease by maintaining intestinal epithelial integrity and regulating gut microbiota in mice	Journal of Agricultural and Food Chemistry	2025, Jan	Both BDMC and CUR have potential as adjunct therapies for IBD, BDMC at a concentration of 0.1% showed strong anti-inflammatory effects and enhanced TJ proteins, suggesting that BDMC, even at lower concentrations than CUR, holds promising therapeutic potential and prospects.	通訊作者
7	Fatty acid esterification of octacosanol attenuates triglyceride and cholesterol synthesis in mice.	Journal of Agricultural and Food Chemistry	2025, Jan	Oleic-acid-esterified octacosanol (OEO) had a greater influence on fatty acid and cholesterol synthesis compared to lauric-acid-esterified octacosanol (LEO).	通訊作者
8	Improved ability of liposomes to encapsulate ascorbic acid via coating with xanthan gum	International Journal of Food Science and Technology	2025, Jan	The findings suggest that XG coating can be an effective strategy to develop LP ability to deliver AA and to increase AA-LP stability.	共同作者
9	Feruloylacetone and its analog demethoxyferuloyacetone mitigate obesity-related muscle atrophy and insulin resistance in mice.	Journal of Agricultural and Food Chemistry	2025, Jan	The findings suggest, for the first time, that FER and DFER may prevent obesity-related complications, including muscle atrophy and insulin resistance,	通訊作者

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				thereby warranting further research into their long-term efficacy and safety.	
10	Enhanced stability of pickering emulsions through co-stabilization with nanoliposomes and thermally denatured ovalbumin	International Journal of Biological Macromolecules	2024, Oct	The emulsification index showed that DOVA-NL-stabilized Pickering emulsions (DNPE) were significantly more stable than DOVA-stabilized emulsions. DOVA-NL particles adsorbed at the oil-water interface and the droplet size of DNPE was smaller than that of DOVA-stabilized emulsions.	共同作者
11	Lactiplantibacillus plantarum JS19-adjunctly fermented goat milk alleviates d-galactose-induced aging by modulating oxidative stress and intestinal microbiota in mice.	Journal of Dairy Science	2024, Oct	L. plantarum JS19-adjunctly fermented goat milk effectively prevented premature aging in mice caused by d-galactose.	共同作者
12	Exploring the effects of whole food-based dragon fruit on metabolic disorders in high-fat diet-induced mice	Molecular Nutrition & Food Research	2024, Oct	Dragon fruit extracts reduced adipose tissue weight, body fat percentage, pro-inflammatory cytokines, and improved blood lipid profiles. RP was the most effective, reducing body weight by 4.33 g, improving lipid metabolism and glucose homeostasis, and altering gut microbiota to enhance beneficial bacteria and short-chain fatty acids. RP's efficacy in preventing MetS and obesity was attributed to its bioactive components.	通訊作者
13	Quercetin inhibits truncated isoform of dopamine- and cAMP-regulated phosphoprotein as adjuvant	Food Science and Human Wellness	2024, Sep	The combination of quercetin and trastuzumab treatment by targeting t-DARPP in HER2+ BC	共同作者

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	treatment for trastuzumab therapy resistance in HER2-positive breast cancer			patients has the potential as a biomarker for mitigating drug resistance.	
14	The food-borne carcinogenic 2-amino-1-methyl-6-phenylimidazo [4, 5-b] pyridine (PhIP) disrupts circadian rhythms and ameliorated by pterostilbene (PSB) in Caenorhabditis elegans	Archives of Toxicology	2024, Sep	Findings from this study provides novel insight into how food-borne contaminant like PhIP may contribute to the disruption of circadian rhythms and suggests the potential for PSB to mitigate these effects in higher organisms.	通訊作者
15	Stability enhancement of proanthocyanidin-loaded liposomes via surface decoration with oxidized konjac glucomannan	International Journal of Biological Macromolecules	2024, Aug	The resistance of PC-Lip to external influences was fruitfully enhanced after coating with OKGM. Compared with other polysaccharides, OKGM-coated liposomes may be more promising and advantageous in functional foods due to the polysaccharide's benefits to human health.	共同作者
16	Food-borne polycyclic aromatic hydrocarbons and circadian disruption	ACS Omega	2024, Jul	This review provides new insights into preventing pollutant-induced circadian disruption via AhR overactivation through phytochemical intervention.	通訊作者
17	Modulatory effects of Lactobacillus paracasei-fermented turmeric on metabolic dysregulation and gut microbiota in high-fat diet-induced obesity in mice	Journal of Agricultural and Food Chemistry	2024, Jul	The modulation effect of L. paracasei-fermented (FT) on gut microbiota may be an important pathway for its antiobesity mechanisms.	通訊作者
18	Structural variances in curcumin degradants: impact on obesity in mice	Journal of Agricultural and Food Chemistry	2024, Jun	DFER showed a better overall antiobesity effect. However, it should not be neglected that FER exhibits an eye-catching effect on inflammatory	通訊作者

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				responses. Additionally, the modulatory effects of FER and DFER might crucially contribute to their beneficial effects.	
19	Lactobacillus rhamnosus 069 and lactobacillus brevis 031: Unraveling strain-specific pathways for modulating lipid metabolism and attenuating high-fat diet induced obesity in mice	ACS Omega	2024, May	The study highlights the potential therapeutic applications of these specific probiotic strains and suggests avenues for further research to elucidate the underlying mechanisms. These insights contribute to the development of targeted probiotic strategies for improving metabolic health in the context of obesity.	通訊作者
20	Hepatoprotective effect of dietary pterostilbene against high-fat-diet-induced lipid accumulation exacerbated by chronic jet lag via SIRT1 and SIRT3 activation	Phytotherapy Research	2024, May	The findings of this study suggest the potential of dietary PSB as a candidate to improve hepatic lipid metabolism via several mechanisms. It may be developed as a treatment adjuvant in the future.	共同作者
21	Berry anthocyanins prevent α-dicarbonyls and advanced glycation end product formation in phosphate-buffered saline-based model systems, cookie and ground pork	Journal of Food Science	2024, Apr	The levels of α-dicarbonyls and advanced glycation end products in ground pork and cookies were significantly reduced when fortified with blackcurrant. The blackcurrant anthocyanins might be a novel agent inhibiting α-dicarbonyls and dietary advanced glycation end products formation in thermally processed foods.	共同作者
22	L-Glutamine substantially improves 5-flurouracil-induced intestinal mucositis by modulating gut microbiota and maintaining the	Molecular Nutrition & Food Research	2024, Apr	Glutamine supplementation counteracted the effects by inhibiting the Toll-like receptor 4/nuclear factor kappa B (TLR4/NF-κB) pathway, modulating nuclear	通訊作者

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	integrity of the gut barrier in mice			factor erythroid 2-related factor 2/heme oxygenase 1 (Nrf2/HO-1) oxidative stress proteins, and increasing mammalian target of rapamycin (mTOR) levels, thereby enhancing microbial diversity and protecting intestinal mucosa.	
23	Trans-2-nonadecyl-4-(hydroxymethyl)-1, 3-dioxolane (TNHD) purified from freshwater clams markedly alleviates dimethylnitrosamine-induced hepatic fibrosis	Journal of Food and Drug Analysis	2024, Apr	Freshwater clam extracts, particularly TNHD, may have potential therapeutic and preventive effects for the amelioration of liver fibrosis.	通訊作者
24	Exploring phytochemical mechanisms in the prevention of cholesterol dysregulation: A review	Journal of Agricultural and Food Chemistry	2024, Mar	This review aims to provides novel insights into the treatment of cholesterol dysregulation and the anticipated development of natural-based compounds in the near and far future.	通訊作者
25	Improving the encapsulation of β-carotene by nanoliposomes via potato starch/whey protein coating	International Journal of Food Science and Technology	2024, Feb	The present study suggests that PS/WP coating on NL can be an effective strategy to improve the ability of NL to encapsulate β-carotene and may provide some theoretical support for the development of an effective delivery system for bioactive substances.	共同作者
26	Efficacy and mechanism of the action of live and heat-killed Bacillus coagulans BC198 as potential probiotic in ameliorating dextran sulfate sodium-induced colitis in mice	ACS Omega	2024, Feb	The live form of B. coagulans BC198 functioned more effectively than the heat-killed form in ameliorating colitis by enhancing the anti-inflammatory response and promoting Treg cell accumulation in the colon.	通訊作者

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27	Plant-derived extracellular vesicles: A new revolutionization of modern healthy diets and biomedical applications	Journal of Agricultural and Food Chemistry	2024, Feb	This review is expected to provide new insights into healthy diets and biomedical applications of vegetables and fruits, inspiring new advances in natural food-based science and technology.	通訊作者
28	NURECON: A novel online system for determining nutrition requirements based on microbial composition	IEEE/ACM Transactions on Computational Biology and Bioinformatics	2024, Jan	NURECON is a user-friendly online platform that provides nutritional advice to support dietitians' research or menu design.	共同作者
29	Exploring the phytochemical composition and pharmacological effects of fermented turmeric using the isolated strain lactobacillus rhamnosus fn7	Journal of Food Bioactives	2024, Jan	Our findings suggest that L. rhamnosus FN7 fermentation significantly boosts turmeric's biochemical attributes, positioning it as a promising functional food.	通訊作者
30	Purple napiergrass (Pennisetum purpureum schumach) hot water extracts ameliorate high-fat diet-induced obesity and metabolic disorders in mice	Journal of Agricultural and Food Chemistry	2023, Dec	This study explores the potential of purple napiergrass extracts (PNE) in alleviating obesity and metabolic disorders induced by a high-fat diet in mice. These findings highlight the potential of PNE in reducing weight, inhibiting inflammation, and improving blood sugar and lipid levels, showing the potential for addressing obesity-related metabolic disorders in humans.	通訊作者
31	Postfermented tea extract potently alleviates glucose metabolism disorders in vitro and in vivo	ACS Food Science and	2023, Dec	This study explores the efficacy of postfermented tea extract in mitigating type 2 diabetes mellitus	通訊作者

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		Technology		(T2DM), a condition characterized by insulin resistance and reduced insulin secretion, leading to significant healthcare challenges and increased mortality.	
32	Quercetin inhibits truncated isoform of dopamine-and camp-regulated phosphoprotein as adjuvant treatment for trastuzumab therapy resistance in HER2-positive breast cancer	Food Science and Human Wellness	2023, Nov	This study confirmed that Quercetin attenuated Trastuzumab resistance by inhibiting the t-DARPP expression and downregulating p95-HER2 -mediated signal activation.	共同作者
33	Neuroprotective effects of nobiletin and tangeretin against amyloid β1-42-induced toxicity in cultured primary rat neurons	Nutrire	2023, Nov	Both nobiletin and tangeretin significantly decreased Aβ1-42-induced neurotoxicity. Tangeretin significantly reduced the aggregation of Aβ1-42, while the neuroprotective effect of nobiletin was due to the reduction of oxidative damage. The results suggested that tangeretin and nobiletin might be a potential neuroprotective food ingredient.	共同作者
34	Mechanistic understanding of the effects of nanoliposome-soybean protein isolate interactions on soybean protein isolate emulsifying properties	Food Structure	2023, Nov	The improvement of the emulsifying properties of SPI after interaction with NL derived from the alteration of advanced structure and surface characteristics of NL-SPI complexes.	共同作者
35	3'-Hydroxypterostilbene potently suppresses tumor growth via inhibiting the activation of the jak2/stat3 pathway in ovarian clear cell carcinoma	Molecular Nutrition & Food Research	2023, Oct	This is the first study to compare the efficacy of PSB, 3HPSB, and the newly identified compound 2HPSB regarding ovarian cancer. Moreover, targeting JAK2/STAT3 is shown to be a potentially effective	通訊作者

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				strategy for OCCC treatment.	
36	Virofree associates with the modulation of gut microbiomes and alleviation of DSS-induced IBD symptoms in mice	ACS Omega	2023, Oct	These findings suggest that Virofree may have a direct or indirect impact on the composition of the gut microbiota and that it can alleviate the imbalance of the microbiome and intestinal inflammation caused by DSS treatment.	通訊作者
37	Identification of indicative gut microbial guilds in a natural aging mouse model	ACS Omega	2023, Sep	In this study, the gut microbial indicators in aged mice have been identified, and it is envisaged that these findings could provide a new approach for future studies of antiaging.	通訊作者
38	High gamma-aminobutyric acid (GABA) oolong tea alleviates high-fat diet-induced metabolic disorders in mice	ACS Omega	2023, Sep	Our findings suggest that regular drinking of GABA oolong tea has the potential to reduce the risk of being overweight, preventing obesity development through thermogenesis, lipogenesis, and lipolysis.	通訊作者
39	Tangeretin supplementation mitigates the aging toxicity induced by dietary benzo[a]pyrene exposure with aberrant proteostasis and heat shock responses in Caenorhabditis elegans	Journal of Agricultural and Food Chemistry	2023, Aug	Dietary TAN supplementation alleviated the BaP-induced decline in motility, pumping, and poly-Q accumulation and restored heat shock proteins' transcript levels. Our findings suggest that chronic BaP exposure adversely affects aging and that TAN exposure mitigates the BaP-induced aging toxicity.	通訊作者
40	Regulation of xenobiotic-metabolizing enzymes by 5-demethylnobiletin and nobiletin to mitigate	Journal of Agricultural and	2023, Aug	These findings indicate that 5-DMNB and NBT attenuate B[a]P-induced DNA damage by modulating	通訊作者

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	benzo[a]pyrene-induced DNA damage in vitro and in vivo.	Food Chemistry		biotransformation, highlighting their chemopreventive potential against B[a]P-induced carcinogenesis. Therefore, 5-DMNB and NBT are promising agents for colorectal cancer chemoprevention in the future.	
41	Pterostilbene enhances thermogenesis and mitochondrial biogenesis by activating the SIRT1/PGC-1A/SIRT3 pathway to prevent western diet-induced obesity	Molecular Nutrition & Food Research	2023, Jul	These findings suggest PSB and PIN as potential candidates for the improvement of obesity and gut microbiota dysbiosis. With its higher stability, PSB exerts a greater effect than PIN by promoting thermogenesis and mitochondrial biogenesis via SIRT1 activation.	通訊作者
42	The therapeutic potential of curcumin and its related substances in turmeric: From raw material selection to application strategies	Journal of Food and Drug Analysis	2023, Jun	This article provides three novel application strategies based on previous studies: using curcumin analogues and related substances, gut microbiota regulation, and using curcumin-loaded exosome vesicles and turmeric-derived exosome-like vesicles to overcome application limitations.	通訊作者
43	Insights from β-conglycinin and glycinin into the mechanism of nanoliposome-soybean protein isolate interactions	Journal of Agricultural and Food Chemistry	2023, Jun	The binding characteristics between NL and 7S/11S were chiefly governed by the protein characteristics, such as amino acid composition, surface hydrophobicity, and advanced structure. These findings could deepen the understanding of the interaction mechanism between NL and SPI.	共同作者

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44	Protective effects of piceatannol on DNA damage in benzo[a]pyrene-induced human colon epithelial cells	Journal of Agricultural and Food Chemistry	2023, May	Our results suggest that PIC is a potential CRC-blocking agent due to its ability to alleviate DNA damage, decrease intracellular ROS production, modulate the metabolism and detoxification of B[a]P, and activate the Nrf2 signaling pathway in B[a]P-induced NCM460 cells.	通訊作者
45	The role of mitochondria in phytochemically mediated disease amelioration.	Journal of Agricultural and Food Chemistry	2023, May	This review provides some perspectives on phytochemicals to be considered as a treatment adjuvant for COVID-19 and long COVID by targeting mitochondrial rescue. Hopefully, this review can provide new insight into disease treatment with phytochemicals targeting mitochondria.	通訊作者
46	Cross-sectional study: new approach for diagnostic identification of non-robust older adult	Molecular Nutrition & Food Research	2023, May	This study indicates the obvious interrelation between gut microbiota and serum metabolites in non-robust older adults. Besides, the findings suggest that Escherichia/Shigella can be a potential biomarker candidate for robustness sub-phenotypic identification.	通訊作者
47	Prevention of glutamate-induced neurodegeneration by piceatannol via mitochondrial rescue in vitro and in vivo	Molecular Nutrition & Food Research	2023, Apr	The findings suggest that piceatannol can be a more effective and potent candidate for the treatment of neurodegenerative diseases, such as Parkinson's disease, compared to resveratrol. It is capable of preventing neurodegeneration induced by excess	通訊作者

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				glutamate, possibly via mitochondrial rescue. It is recommended that piceatannol be developed into a neuroprotective agent.	
48	Correlation between protein features and the properties of pH-driven-assembled nanoparticles: control of particle size	Journal of Agricultural and Food Chemistry	2023, Apr	This study provides constructive information on the correlation between protein features and the properties of pH-driven-assembled nanoparticles, achieving a precise control of particle size.	共同作者
49	Improvement of emulsifying properties of potato starch via complexation with nanoliposomes for stabilizing pickering emulsion	Food Hydrocolloids	2023, Mar	The present study suggests that the complexation between NL and PS can be an effective strategy for improving the ability of PS to stabilize Pickering emulsions.	共同作者
50	Modulatory effect of fermented black soybean and adlay on gut microbiota contributes to healthy aging	Molecular Nutrition & Food Research	2023, Jan	Fermented black soybean and adlay (FBA) supplements are incorporated into a natural aging mouse model that is designed to evaluate anti-aging effects. Our result suggested that FBA exhibits noteworthy anti-aging effects and that it can potentially be developed into a functional food for healthy aging.	通訊作者
51	Molecular weight, chain length distribution and long-term retrogradation of cassava starch modified by amylomaltase	Food Hydrocolloids	2023, Jan	A new insight into the structural characteristics and long-term retrogradation of ATS was revealed through L/S, E/S, and reaction time.	
52	Piceatannol and 3′-hydroxypterostilbene alleviate inflammatory bowel disease by maintaining	Journal of Agricultural and	2023, Jan	PIC is more effective in maintaining gut barrier integrity than HPSB, and it is a promising ingredient	通訊作者

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	intestinal epithelial integrity and regulating gut microbiota in mice	Food Chemistry		in the development of functional food for colitis prevention.	
53	Inhibitory effects of rooibos (Aspalathus linearis) against reactive carbonyl species and advanced glycation end product formation in a glucose-bovine serum albumin model and cookies	Food Chemistry-X	2022, Dec	Our current findings suggested that rooibos might serve as a functional ingredient to reduce intake of dietary reactive carbonyl species (RCS) and AGEs from thermally processed foods, especially bakery products.	共同作者
54	Amination potentially augments the ameliorative effect of curcumin on inhibition of the IL-6/stat3/c-Myc pathway and gut microbial modulation in colitis-associated tumorigenesis.	Journal of Agricultural and Food Chemistry	2022, Nov	Only LAC significantly preserved E-cadherin, reduced N-cadherin, and facilitated beneficial gut microbial growth, including Akkermansia and Bacteroides, potentially explaining AC's better ameliorative effect at low than high doses.	通訊作者
55	Piceatannol prevents colon cancer progression via dual-targeting to M2-polarized tumor-associated macrophages and the TGF-β1 positive feedback signaling pathway.	Molecular Nutrition & Food Research	2022, Aug	These novel findings demonstrate that PIC is a potent TGF-β1/TGF-βR1 pathway inhibitor and TME modulator for preventing tumor progression and metastasis in CRC by reeducating TAMs.	通訊作者
56	The anti-obesity and anti-inflammatory capabilities of pterostilbene and its colonic metabolite pinostilbene protect against tight junction disruption from western diet feeding	Molecular Nutrition & Food Research	2022, Aug	This is the first study suggesting that PIN, the metabolite of PSB, demonstrates a similar protective effect on colonic TJ proteins via its anti-obesity, hepatic protection, and anti-inflammatory capabilities.	通訊作者
57	S-allylcysteine potently protects against PhIP-induced DNA damage via NRF2/AHR	Molecular Nutrition & Food	2022, Aug	The findings suggest that SAC protects against PhIP-induced reactive oxygen species production and	通訊作者

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	signaling pathway modulation in normal human colonic mucosal epithelial cells.	Research		DNA damage by modulating the Nrf2/AhR signaling pathway, which may have significant potential as a novel chemopreventive agent.	
58	Surface characteristics and emulsifying properties of whey protein/nanoliposome complexes	Food Chemistry	2022, Aug	The emulsifying properties of WP after complexation with NL were improved due to the modification of WP surface characteristics.	共同作者
59	Dietary methylglyoxal exposure induces Alzheimer's disease by promoting amyloid β accumulation and disrupting autophagy in Caenorhabditis elegans	Journal of Agricultural and Food Chemistry	2022, Aug	The findings imply that it is possible to exacerbate AD pathogenesis by MG exposure through the diet.	通訊作者
60	Insights from alpha-lactoalbumin and beta-lactoglobulin into mechanisms of nanoliposome-whey protein interactions	Food Hydrocolloids	2022, Apr	The natural properties, such as amino acid composition, advanced structure and surface hydrophobicity, could play a critical role in the interaction between nanoliposomes and monomeric proteins. These findings could deepen the understanding of the interaction mechanisms between nanoliposomes and whey proteins.	共同作者
61	Ulva prolifera polysaccharide exerts anti-obesity effects via upregulation of adiponectin expression and gut microbiota modulation in high-fat diet-fed c57bl/6 mice	Journal of Food and Drug Analysis	2022, Mar	UPP may prevent HFD-induced obesity and associated metabolic diseases, as well as modulate the composition of gut microbiota to facilitate the growth of probiotics.	通訊作者
62	Mechanistic understanding of the effects of ovalbumin-nanoliposome interactions on	LWT – Food Science and	2022, Mar	The results showed that the vesicles could interact with OVA via non-covalent forces, and the	

編號	名稱	出版刊物	出版時間	內容摘要	備註
	ovalbumin emulsifying properties	Technology		emulsifying properties of OVA could be obviously improved after interaction with nanoliposomes. Our work provided a new insight into the application of OVA-NL in food industry.	
63	Oolong tea extract alleviates weight gain in high-fat diet-induced obese rats by regulating lipid metabolism and modulating gut microbiota	Food & Function	2022, Feb	The results show that OTE can alleviate weight gain by regulating lipid metabolism and modulating the distribution of the gut microbiota to decrease lipid accumulation in adipose tissue.	通訊作者
64	S-allylcysteine ameliorates aging features via regulating mitochondrial dynamics in naturally aged C57BL/6J mice	Molecular Nutrition & Food Research	2022, Jan	SAC regulates mitochondrial dynamics and ameliorated aging to a significant degree. This study also confirms that mitochondrial dynamics are a promising target for screening materials to combat aging and as a direction for anti-aging product development.	通訊作者
65	Calebin-a prevents HFD-induced obesity in mice by promoting thermogenesis and modulating gut microbiota	Journal of Traditional and Complementary Medicine	2022, Jan	Calebin A has a good thermogenesis function and is effective in anti-obesity. It can be used as a novel gut microbiota modulator to prevent HFD-induced obesity.	通訊作者
66	Oxyresveratrol inhibits human colon cancer cell migration through regulating epithelial–mesenchymal transition and microRNA	Food & Function	2021, Dec	OXY inhibits human colon cancer cell migration by regulating EMT and miRNAs. Based on these findings, it can be stated that OXY promotes anti-metastatic properties in CRC.	通訊作者
67	Pharmacological bioactivity of enzymatically	Journal of Food	2021, Dec	The enzymatic hydrolysis of ginsenosides can be	通訊作者

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	bio-transformed ginsenosides	Bioactives		employed to functionally produce hydrolysates with increased bioactivity.	
68	Dietary pterostilbene and resveratrol modulate the gut microbiota influenced by circadian rhythm dysregulation	Molecular Nutrition and Food Research	2021, Nov	The result suggests that supplementation of RES and PSB could potentially dampen some adverse effects of gut microbiota dysbiosis, and at the same time, re-composite and facilitate the growth of health beneficial microbiota.	通訊作者
69	Hepatoprotective effect of piceatannol against carbon tetrachloride-induced liver fibrosis in mice	Food & Function	2021, Oct	In the present study, piceatannol exerted both hepatoprotective and anti-fibrotic effects in a mouse model of CCl4-induced liver injury. Supplementation of piceatannol significantly reduced liver damage and collagen deposition in CCl4-treated mice.	通訊作者
70	Dietary 5-demethylnobiletin modulates xenobiotic-metabolizing enzymes and ameliorates colon carcinogenesis in benzo[a]pyrene-induced mice.	Food and Chemical Toxicology	2021, Sep	5-DMNB attenuates BaP/DSS-induced colon cancer through the regulation of inflammation and xenobiotic-metabolizing enzymes. These results indicate that 5-DMNB has significant potential as a novel chemopreventive agent for preventing carcinogen activation and inflammation-associated carcinogenesis.	通訊作者
71	Recent advances in health benefits of stilbenoids	Journal of Agricultural and Food Chemistry	2021, Sep	The analogues of resveratrol, pterostilbene, and hydroxylated-pterostilbene may have similar, if not more, potential biological targeting effects compared with their original counterpart. Furthermore, new	通訊作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
				targets that have been discussed in recent studies are reviewed in this paper.	
72	Inhibitory effect of garcinol on obesity-exacerbated colitis, mediated colon carcinogenesis	Molecular Nutrition and Food Research	2021, Sep	The study results suggest that garcinol can prevent obesity-promoted colorectal cancer, and these findings provide important niches for the future development of garcinol as functional foods or adjuvant therapeutic agents.	通訊作者
73	A triterpenoid-enriched extract of bitter melon leaves alleviates hepatic fibrosis by inhibiting inflammatory responses in carbon tetrachloride-treated mice	Food & Function	2021, Jul	The aim of this study was to investigate the protective effect of a triterpenoid-enriched extract (TEE) from bitter melon leaves against carbon tetrachloride (CCl4)-induced hepatic fibrosis in mice. TEE could ameliorate hepatic fibrosis by regulating inflammatory cytokine secretion and α-SMA expression in the liver to reduce collagen accumulation.	共同作者
74	The interaction mechanism between liposome and whey protein: Effect of liposomal vesicles concentration	Journal of Food Science	2021, Jun	This study shed some light on the mechanism explanation of the WPI structural changes due to the interaction with Lips during food processing.	共同作者
75	Pterostilbene attenuates high-fat diet and dextran sulfate sodium-induced colitis via suppressing inflammation and intestinal fibrosis in mice	Journal of Agricultural and Food Chemistry	2021, Jun	The protection provided may depend not only on the anti-inflammatory and anti-intestinal fibrosis effects of PTS but also on its regulation of the intestinal epithelium barrier. Therefore, the results of the present study suggest that PTS is of substantial	通訊作者

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				interest for the prevention of HFD and DSS-induced colitis in C57BL/6J mice and ultimately also in humans.	
76	Levels of heavy metal cadmium in rice (Oryza sativa L.) produced in Taiwan and probabilistic risk assessment for the Taiwanese population	Environmental Science and Pollution Research	2021, Jun	According to the HI heat map for the exposure of the general population to Cd from rice in Taiwan, the highest exposure to Cd was noted in the Yilan area (HI 0.64). Therefore, rice production in the Yilan area should be further monitored to evaluate the levels of Cd contamination.	共同作者
77	Molecular mechanisms of the anti-obesity properties of Agardhiella subulata in mice fed a high-fat diet	Journal of Agricultural and Food Chemistry	2021, Apr	The results of this study suggest that AS supplementation increases lipid excretion and improves energy metabolism to prevent obesity in mice fed a HFD.	通訊作者
78	A new metabolite: the effects of aminated tetrahydrocurcumin on inducible nitric oxide synthase and cyclooxygenase-2	Journal of Cancer Research and Practice	2021, Apr	As the current body of research is inadequate, in order to ensure that all things are considered, the efficacy and safety of THC-NH2 as a pharmaceutical drug require further investigation. Nevertheless, recent results showed that THC-NH2 can be used in multi-targeting anti-inflammation drugs to inhibit iNOS levels and reduce the side effects of COX-2 inhibitors by acting as a competitive inhibitor.	通訊作者
79	Coleus forskohlii and garcinia indica extracts attenuated lipid accumulation by regulating energy	Food Research International	2021, Apr	GIE, CFE, and the combinations of GIE and CFE were able to decrease body weight and adipocyte size	通訊作者

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	metabolism and modulating gut microbiota in obese mice.			by promoting fatty acid β-oxidation and modulating gut microbiota in HFD-induced obese mice.	
80	Quercetin blocks the aggressive phenotype of triple-negative breast cancer by inhibiting IGF1/IGF1R-mediated EMT program	Journal of Food and Drug Analysis	2021, Mar	The results suggest that quercetin has cancer-preventive value for TNBC by inhibiting IGF1/IGF1R signaling and preventing the consequent EMT and metastasis of TNBC.	通訊作者
81	Physicochemical properties and film formation of the chitin hydrocolloid fabricated by a novel green process	Journal of Applied Polymer Science	2021, Mar	This novel method for fabricating chitin films through aqueous suspension can improve applications of chitin in packaging and particularly fulfill environmentally friendly requirements.	
82	Antiviral effects of anthocyanins and phytochemicals as natural dietary compounds on different virus sources	Current Research in Nutrition and Food Science Journal	2020, Dec	This mini-review generally summarizes the antiviral activities of anthocyanins and phytochemicals from various natural plant sources on different virus origins.	通訊作者
83	A review: potential of resveratrol and its analogues to mitigate diseases via gut microbial modulation.	Journal of Food Bioactives	2020, Dec	In this review, the interactions of stilbenoids (with a major focus on resveratrol and pterostilbene) and gut microbiota will be discussed to clarify the importance of gut microbiota in the strategy of “disease prevention via phytochemicals.”.	通訊作者
84	3′-Hydroxypterostilbene inhibits 7,12-dimethylbenz[a]anthracene (DMBA)/12-o-tetradecanoylphorbol-13-acetate (TPA)-induced mouse skin carcinogenesis	Phytomedicine	2020, Dec	This is the first study to show that topical treatment with HPSB prevents mouse skin tumorigenesis. Overall, our study suggests that natural HPSB may serve as a novel chemopreventive agent capable of	通訊作者

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				preventing carcinogen activation and inflammation-associated tumorigenesis.	
85	3’-Hydroxydaidzein improves obesity through the induced browning of beige adipose and modulation of gut microbiota in mice with obesity induced by a high-fat diet	Journal of Agricultural and Food Chemistry	2020, Nov	OHD can ameliorate HFD-induced obesity in mice by stimulating the browning of the white adipose tissue and modulating gut microbiota.	通訊作者
86	S-allylcysteine inhibits PhIP/DSS-induced colon carcinogenesis through mitigating inflammation, targeting keap1, and modulating microbiota composition in mice	Molecular Nutrition and Food Research	2020, Oct	The results indicate that SAC can suppress PhIP/DSS-induced colorectal carcinogenesis. Hence, SAC may merit further clinical investigation as a chemoprevention strategy for retarding colitis-associated colon cancer in humans.	通訊作者
87	A multi-targeting strategy to ameliorate high-fat-diet- and fructose-induced (western diet-induced) non-alcoholic fatty liver disease (NAFLD) with supplementation of a mixture of legume ethanol extracts	Food & Function	2020, Sep	The results suggest that ethanol extracts of legumes could be potential supplements for metabolic syndromes, and their efficacy and effectiveness might facilitate the multi-targeting strategy required to mitigate NAFLD.	通訊作者
88	Bioavailability and health benefits of major isoflavone aglycones and their metabolites	Journal of Functional Foods	2020, Aug	This review organizes and collects newly-found reports of aglycones and their metabolites’ bioavailability toward metabolism in human body, and the application in the prevention and treatment of various disorders such as cancers, obesity, diabetes, hypertension, hyperlipidemia, cardiovascular diseases, neurological disorders and osteoporosis	通訊作者

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				from the past decade providing the latest findings and evidence in different pathways.	
89	Fermented soy paste alleviates lipid accumulation in the liver by regulating the AMPK pathway and modulating gut microbiota in high-fat-diet-fed rats	Journal of Agricultural and Food Chemistry	2020, Jul	Fermented soy paste improved HFD-induced lipid accumulation in the liver by activating fatty acid oxidation and modulating gut microbiota.	通訊作者
90	Probabilistic risk assessment of patulin in imported apple juice and apple-containing beverages in Taiwan	Journal of the Science of Food and Agriculture	2020, Jun	The dietary intake of patulin from imported apple juices and apple-containing beverages is well below the safety levels and does not present a risk for adult and children consumers. However, it is important to point out that we only analyzed imported apple juices and apple-containing beverages. More studies are necessary to establish if the HI for patulin will still remain below 1 when other foods and beverages are included in the risk calculations.	通訊作者
91	Lactobacillus fermentum v3 ameliorates colitis-associated tumorigenesis by modulating the gut microbiome	American Journal of Cancer Research	2020, Apr	Our findings suggest that dietary Lac.ferm could modulate the gut microbial community, which might be beneficial to alleviating colon cancer progression.	通訊作者
92	Preparation and evaluation of self-microemulsifying delivery system containing 5-demethyltangeretin on inhibiting xenograft tumor growth in mice	International Journal of Pharmaceutics	2020, Apr	This study is the first to successfully demonstrate that oral administration of 5-DTAN-loaded SMEDS serves as a promising nutraceutical for cancer prevention.	通訊作者
93	3′-Hydroxypterostilbene potently alleviates obesity exacerbated colitis in mice	Journal of Agricultural and	2020, Apr	Our finding suggests that HPSB holds the potential to act as a novel therapeutic and chemopreventive agent	通訊作者

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		Food Chemistry		to be used in the treatment of obesity-exacerbated colitis.	
94	Promoting effect of se-allylselenocysteine on 7,12-dimethylbenz[a]anthracene (DMBA)/12-o-tetradecanoylphorbol-13-acetate (TPA)-induced skin tumorigenesis	Journal of Food Bioactives	2020, Mar	ASC may modulate the COX-2 protein expression and promote DMBA/TPA-induced skin cancer in mice.	通訊作者
95	Occurrence, bioavailability, anti-inflammatory and anti-cancer effects of pterostilbene	Journal of Agricultural and Food Chemistry	2020, Feb	This review summarizes recent research on pterostilbene's anti-inflammatory and anticancer properties in the multistage carcinogenesis process and related molecular mechanism and conclude that it should contribute to improved cancer management.	通訊作者
96	Recent advances in cancer chemoprevention with phytochemicals.	Journal of Food and Drug Analysis	2020, Jan	This review summarizes some findings of phytochemicals in cancer chemoprevention via several distinct strategies, both to highlight promising treatments and to encourage new ideas for future studies.	通訊作者
97	Adzuki bean water extract attenuates obesity by modulating M2/M1 macrophage polarization and gut microbiota composition.	Molecular Nutrition and Food Research	2019, Dec	The results demonstrate that AWE supplementation ameliorates high fat diet-induced obesity and gut microbiota composition and suggests that AWE may have the potential to be developed into a functional food to improve metabolic disorders.	通訊作者
98	Aged citrus peel (Chenpi) prevents acetaminophen-induced hepatotoxicity by	The American Journal of	2019, Dec	CP-WREE might attenuate oxidative stress-induced hepatotoxicity through epigenetically regulating	共同作者

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	epigenetically regulating NRF2 pathway	Chinese Medicine		Nrf2-mediated cellular defense system.	
99	Resveratrol and oxyresveratrol activate thermogenesis via different transcriptional coactivators in high-fat diet-induced obese mice	Journal of Agricultural and Food Chemistry	2019, Dec	We suggest that both resveratrol and oxyresveratrol are capable of ameliorating HFD-induced obesity via thermogenesis, although the underlying mechanism may be different in stilbenoids supplementation.	第一作者
100	A mixture of citrus polymethoxyflavones, green tea polyphenols and lychee extracts attenuates adipogenesis in 3T3-L1 adipocytes and obesity-induced adipose inflammation in mice	Food & Function	2019, Dec	The findings indicate that SlimTrym® exerts both anti-adipogenic and anti-inflammatory effects, and can potentially treat obesity and adipose tissue inflammation.	第一作者
101	Targeting the NLRP3 inflammasome in neuroinflammation: Health promoting effects of dietary phytochemicals in neurological disorders	Molecular Nutrition and Food Research	2019, Nov	This review suggests that modulation of the NLRP3 inflammasome assembly by plant-derived phytochemicals could be a potential strategy for prevention or treatment of neurological disorders.	通訊作者
102	Xanthohumol suppresses npc111 gene expression through downregulation of HNF-4α and inhibits cholesterol uptake in Caco-2 cells	Journal of Agricultural and Food Chemistry	2019, Oct	The findings reveal that Xan suppresses NPC1L1 expression via downregulation of HNF-4α and exerts inhibitory effects on cholesterol uptake in the intestinal Caco-2 cells and Xan could serve as a potential cholesterol-lowering agent and supplement for statin therapy.	共同作者
103	Chemical characterization of main bioactive constituents in Paeonia ostii seed meal and GC-MS analysis of seed oil	Journal of Food Biochemistry	2019, Oct	The results suggested that Paeonia ostii seed (POS) extracts are potential candidates for anticancer agents.	共同作者

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104	Lyophilized resveratrol affects the generation of reactive nitrogen species in murine macrophages and cell viability of human cancer cell lines	Journal of Food Bioactives	2019, Sep	In this study, resveratrol and monoesters of resveratryl propionate (RC3:0) and resveratryl docosahexaenate (RDHA) were examined for their effects on anti-inflammatory and anti-proliferative activity in vitro.	共同作者
105	Pterostilbene inhibits adipocyte conditioned-medium-induced colorectal cancer cell migration through targeting fabp5-related signaling pathway	Journal of Agricultural and Food Chemistry	2019, Aug	The findings suggest that PTS could alleviate adiposity-induced metastasis in CRC via inhibiting cell migration through downregulating FABP5 gene expression.	通訊作者
106	Prevention of vascular inflammation by pterostilbene via trimethylamine-n-oxide reduction and mechanism of microbiota regulation	Molecular Nutrition & Food Research	2019, Aug	The data suggest that amelioration of carnitine-induced vascular inflammation after consumption of pterostilbene is partially mediated via modulation of gut microbiota composition and hepatic enzyme FMO3 gene expression.	通訊作者
107	Oolong tea extract and citrus peel polymethoxyflavones reduce transformation of l-carnitine to trimethylamine-n-oxide and decrease vascular inflammation in l-carnitine feeding mice	Journal of Agricultural and Food Chemistry	2019, Jul	Advancement in our understanding of the effects of natural dietary compounds on gut microbiota composition and hepatic enzyme FMO3 may provide insight into novel therapeutic strategies for the treatment or prevention of TMAO-dependent atherosclerotic CVD.	通訊作者
108	Inspections of imported foods to Taiwan: an overview	Journal of Consumer Protection and	2019, Jun	The listing of these food products as high-risk imported food products should be made mandatory and recommendations relevant to the country of	共同作者

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		Food Safety		origin should be provided, and an effective imported food management system to safeguard the safety of imported food should be established.	
109	Nobiletin prevents trimethylamine oxide-induced vascular inflammation via inhibition of the NF-KB/MAPK pathways	Journal of Agricultural and Food Chemistry	2019, Jun	Nobiletin significantly reduced TMAO-induced vascular inflammation via inhibition of the NF-κB/MAPK pathways.	共同作者
110	Calebin-a induced death of malignant peripheral nerve sheath tumor cells by activation of histone acetyltransferase	Phytomedicine	2019, Apr	Both in vitro and in vivo studies showed Calebin-A could inhibit the proliferation of MPNST with suppression of 27raxinus27 and hTERT. The reduced expression of these two factors might be through the epigenetic histone modification resulting from the decreased activity of HAT.	通訊作者
111	Effects of ginseng dietary supplementation on a high-fat diet-induced obesity in C57BL/6 mice	Food Science and Human Wellness	2019, Apr	The findings suggest ginseng may modulate the energy storage and alter gut microbiota composition.	通訊作者
112	Liposomal vesicles-protein interaction: influences of iron liposomes on emulsifying properties of whey protein	Food Hydrocolloids	2019, Apr	The changes of WP emulsifying properties could be attributed to the effects of liposomes on WP secondary structure and tertiary structure, zeta potentials, and particle size. This work provides new insights into the application of liposomes in food.	共同作者
113	From white to beige adipocytes: Therapeutic potential of dietary molecules against obesity and their molecular mechanisms	Food & Function	2019, Mar	Although challenges still remain regarding the origin of the beige adipocytes, the crosstalk with activation of BAT and induction of the beiging of white fat may provide attractive potential strategies for management	共同作者

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				of obesity.	
114	Assessing aflatoxin exposure risk from peanuts and peanut products imported to Taiwan	Toxins	2019, Feb	Products from Vietnam were under the MOE safe lower limit, suggesting that regulatory actions must be continued to avoid excessive consumer exposure.	
115	Assessing Japan imported food products radiation doses and exposure risk following the Fukushima nuclear accident	Exposure and Health	2019, Feb	We posit that in the current regulatory policy and radioactivity exposure scenario, radionuclides present in food pose no significant safety risk in Taiwan.	通訊作者
116	Polymethoxyflavones: chemistry and molecular mechanisms for cancer prevention and treatment	Current Pharmacology Reports	2019, Feb	This review illustrates the biological effects of different PMFs, HPMFs, PMF derivatives, and metabolites against different types of cancer and related molecular mechanisms.	通訊作者
117	Optimized extraction of phenolics from jujube peel and their anti-inflammatory effects in LPS-stimulated murine macrophages	Journal of Agricultural and Food Chemistry	2019, Feb	PJP presented higher anti-inflammatory activities, reflecting increased amounts of TPC and total flavonoid content (TFC). These findings suggest that PJP could be a potential source of anti-inflammatory agents.	通訊作者
118	CCM111 prevents hepatic fibrosis via cooperative inhibition of TGF-beta, Wnt and STAT3 signaling pathways	Journal of Food and Drug Analysis	2019, Jan	Our data demonstrated for the first time that CCM111 can protect against CCl4-induced liver fibrosis by the cooperative inhibition of TGF-β-, Wnt- and STAT3-dependent proinflammatory and profibrotic mediators, suggesting that CCM111 might be a candidate for preventing and treating chronic fibrotic liver diseases.	共同作者

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119	Liposome-whey protein interactions and its relation to emulsifying properties	LWT-Food Science and Techonology	2019, Jan	The changes of WP structures were important reason for the changes of WP emulsifying properties. Our work provides new insights into the application of liposomes in food.	共同作者
120	Garcinol reduces obesity in high-fat diet-fed mice by modulating composition of the gut microbiota	Molecular Nutrition and Food Research	2018, Dec	The results demonstrate for the first time that garcinol can prevent HFD-induced obesity and may be used as a novel gut microbiota modulator to prevent HFD-induced gut dysbiosis and obesity-related metabolic disorders.	通訊作者
121	Hepatoprotective mechanism of freshwater clam extract alleviates non-alcoholic fatty liver disease: elucidated in vitro and in vivo models	Food & Function	2018, Dec	For the first time, tilapia was established as an animal model for screening fatty-liver preventive functional foods. It is a cheap and fast alternative animal model, suitable for pre-screening the efficacy of drugs or supplements for alleviating liver disease.	共同作者
122	Attenuation by tetrahydrocurcumin of adiposity and hepatic steatosis in mice with high-fat-diet-induced obesity	Journal of Agricultural and Food Chemistry	2018, Nov	Our results demonstrated the beneficial effects of THC-mediated intervention against obesity and NAFLD as well as other metabolic syndromes, revealing a novel therapeutic use of THC in obese populations.	第一作者
123	Potential effects of natural dietary compounds on trimethylamine n-oxide (TMAO) formation and TMAO-induced atherosclerosis.	Journal of Food Bioactives	2018, Oct	This review focuses on the mechanisms by which TMAO promote atherosclerosis, the microbes that contribute to TMA formation, the enzymes involved, and the potential of natural dietary compounds that	通訊作者

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				contribute to TMAO reduction and attenuate TMAO-induced atherosclerosis.	
124	Electrically nanowired-enzymes for probe modification and sensor fabrication.	Biosensors and Bioelectronics	2018, Sep	The review includes various types of nanowires, mode of the enzyme integration or immobilization methodologies, probe modification, biosensor fabrication and real or spiked sample testing.	共同作者
125	The feasibility study of natural pigments as food colorants and seasonings pigments safety on dried tofu coloring	Food Science and Human Wellness	2018, Sep	Gardenia Yellow, Curcumin, and Radish Red could overcome the application restrictions in multiple-phase food coloring system and simultaneously soy sauce as a coloring agent was safety. It showed the possibility of them as food colorants on dried-tofu.	通訊作者
126	Anti-inflammatory effects of polymethoxyflavones from citrus peels: A review	Journal of Food Bioactives	2018, Sep	In this review, the beneficial health effects and the underlying molecular mechanisms of ten main citrus PMFs were illustrated against numerous inflammatory diseases, including inflammatory bowel disease (IBD), neuroinflammation and organ inflammation, among others.	共同作者
127	Prevention of breast cancer by natural phytochemicals: focusing on molecular targets and combination strategy.	Molecular Nutrition & Food Research	2018, Aug	In this review, the collective data of dietary phytochemicals used to sensitize breast cancer cells to therapeutic approaches are reported and their specific molecular targets through synergistic, additive, and potentiation effects are highlighted.	共同作者

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128	Immature Citrus reticulate extract promotes browning of beige adipocyte in high fat diet-induced C57BL/6 mice.	Journal of Agricultural and Food Chemistry	2018, Aug	The results suggest that ICRE can prevent obesity and lipid accumulation through induction of brown-like adipocyte formation.	共同作者
129	Chemopreventive effects of phytochemicals and medicines on M1/M2 polarized macrophage role in inflammation-related diseases	International Journal of Molecular Science	2018, Jul	In this review, some advanced studies regarding the role of macrophages in different diseases, potential mechanisms involved, and intervention of drugs or phytochemicals, which are effective on macrophage polarization, will be discussed.	通訊作者
130	5-Demethylnobiletin more potently inhibits colon cancer cell growth than nobiletin in vitro and in vivo.	Journal of Food Bioactives	2018, Jun	Our findings provide evidence for the first time that natural bioactive DMNB might serve as a promising polymethoxyflavone for chemoprevention of colorectal cancer.	通訊作者
131	Review on discovery and development of novel phytochemicals which can be used in functional foods.	Current Research in Nutrition and Food Science	2018, Jun	In this review, the researchers briefly summarize some recent studies focused on the potential ameliorative effects of selected dietary bioactive compound on different diseases, in order to provide the primary summary of these novel compounds to be involved in the human life style and eating habits.	通訊作者
132	The effects of the extract of oolong tea and its metabolites from Andraca theae in high fat diet induced obese Wistar rat	Food Science and Human Wellness	2018, Jun	The results suggest that the content of tea polyphenols in TE play an important role for alleviating abdominal fat.	通訊作者
133	5-demethylnobiletin is more effective than nobiletin in preventing AOM/DSS-induced	Journal of Food Bioactives	2018, Jun	The results demonstrate that DMNB had a better chemo-preventive efficacy than NOB in	通訊作者

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	colorectal carcinogenesis in ICR mice.			AOM/DSS-induced colorectal carcinogenesis in ICR mice model.	
134	Citrus peel extracts attenuated obesity and modulated gut microbiota in mice with high-fat diet-induced obesity	Food & Function	2018, May	Our results indicate that the citrus peel extracts decrease lipid accumulation both in vivo and in vitro and should be considered for the management of overweight and obesity conditions.	通訊作者
135	Stilbenes: chemistry and molecular mechanisms of anti-obesity	Current Pharmacology Reports	2018, Apr	This review summarized those stilbenes are promising for managing and treating obesity.	通訊作者
136	Anti-fibrotic activity of polyphenol-enriched sugarcane extract in rats via inhibition of p38 and JNK phosphorylation.	Food & Function	2018, Jan	SPE mitigated carbon tetrachloride-induced liver fibrosis in rats and its mechanism may be related to the p38 and JNK signalling pathways.	通訊作者
137	Antiobesity molecular mechanisms of action: resveratrol and pterostilbene	Biofactors	2018, Jan	Although the efficacy of both compounds in humans requires further investigation with respect to their oral bioavailability, promising scientific findings have highlighted their potential as candidates for the treatment of obesity and the improvement of obesity-related metabolic diseases.	第一作者
138	Chemoprevention by resveratrol and pterostilbene: targeting on epigenetic regulation	Biofactors	2018, Jan	In this review, we summarize these studies and underlying mechanisms of resveratrol and pterostilbene and their influence on epigenetic mechanisms.	通訊作者
139	Food bioactives and their effects on	Journal of	2018, Jan	In this perspective, we highlight food-derived	通訊作者

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	obesity-accelerated inflammatory bowel disease	Agricultural and Food Chemistry		bioactives that have a potential application in the prevention of obesity-exacerbated IBD, targeting energy metabolism, M1 (classical activated)-M2 (alternatively activated) macrophage polarization, and gut microbiota.	
140	Polymethoxyflavones prevent benzo[a]pyrene/dextran sodium sulfate-induced colorectal carcinogenesis through modulating xenobiotic metabolism and ameliorate autophagic defect in icr mice	International Journal of Cancer	2017, Dec	The results demonstrated for the first time the chemopreventive efficacy and comprehensive mechanisms of dietary PMFs for preventing BaP/DSS-induced colorectal carcinogenesis.	通訊作者
141	Effect of nobiletin on the MAPK/NF-KB signaling pathway in the synovial membrane of rats with arthritis induced by collagen	Food & Function	2017, Nov	The results demonstrated that nobiletin inhibited the development of RA by inhibiting the degree of angiogenesis and inflammatory infiltration by down-regulating the protein expression level of the p38/nuclear factor kappa B (NF-κB) signaling pathway in the synovium of rats with CIA.	通訊作者
142	3’-hydroxypterostilbene suppresses colitis-associated tumorigenesis by inhibition of IL-6/stat3 signaling in mice	Journal of Agricultural and Food Chemistry	2017, Oct	The results demonstrated for the first time the in vivo chemopreventive efficacy and molecular mechanisms of dietary 3’-hydroxypterostilbene against colitis-associated colonic tumorigenesis.	通訊作者
143	Analysis of bioactive constituents from the leaves of Amorpha fruticosa L	Journal of Food and Drug Analysis	2017, Oct	The results of this study may provide data for further study and comprehensive utilization of A. fruticosa L.	共同作者

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144	Anti-obesity molecular mechanism of soy isoflavones: weaving the way to new therapeutic routes	Food & Function	2017, Oct	Both in vitro and in vivo studies have revealed other signaling pathways in which isoflavones are involved in the inhibition of adipogenesis and lipogenesis by interacting with various transcription factors and upstream signaling molecules.	共同作者
145	Protective effects of theasinensin a against carbon tetrachloride-induced liver injury in mice	Food & Function	2017, Sep	Our current findings suggest that TSA may serve as a potent bioactive constituent from oolong tea that acts against liver fibrosis through the inhibition of hepatic stellate cell (HSC) activation.	通訊作者
146	Cancer chemopreventive effects of phytochemicals by suppressing cancer metastasis	Journal of Analytical & Pharmaceutical Research	2017, Aug	We shed light on some of the phytochemicals that are capable of targeting these signaling pathways which would make them potentially applicable to cancer chemoprevention, treatment and control of cancer progression.	通訊作者
147	P53-dependent downregulation of hTERT protein expression and telomerase activity induces senescence in lung cancer cells as a result of pterostilbene treatment	Cell Death and Disease	2017, Aug	This study is the first to explore the novel anticancer mechanism of PT senescence induction via the inhibition of telomerase in lung cancer cells.	共同作者
148	Chemoprevention of obesity by dietary natural compounds targeting mitochondrial regulation.	Molecular Nutrition & Food Research	2017, Jun	We focus on and summarize and briefly discuss the currently known targets and the mitochondria-targeting effects of dietary natural compounds in the intervention of obesity.	通訊作者
149	Combination of citrus polymethoxyflavones, green	Molecular	2017, Jun	SlimTrym® supplementation potentially diminished	第一作者

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	tea polyphenols and lychee extracts suppresses obesity and hepatic steatosis in high-fat diet induced obese mice	Nutrition & Food Research		diet-induced obesity and hepatic steatosis via regulating AMPK signaling and molecules involved in lipid metabolism.	
150	Phytochemical components of carissa carandas and the inhibitory effects of fruit juice on inducible nitric oxide synthase and cyclooxygenase-2	Journal of Food Biochemistry	2017, Jun	This report provides scientific evidence to support the health benefit of fruit juice from Carissa carandas. The ripe fruit of Carissa carandas can be used as a novel source of functional beverage in food manufacture because they possess not only antioxidant properties, but also an anti-inflammatory effect.	共同作者
151	Effects of water extract of curcuma longa (l.) roots on immunity and telomerase function	Journal of Complementary and Integrative Medicine	2017, May	The ukonan family of polysaccharides may assist in promoting cellular immune responses, tissue repair and lifespan by enhancing immune response and telomere function.	第一作者
152	Boswellia serrata resin extract alleviates azoxymethane (AOM)/dextran sodium sulfate (DSS)-induced colon tumorigenesis	Molecular Nutrition & Food Research	2017, Mar	In summary, BS extract decreased the protein levels of inflammative enzymes such as inducible nitric oxide synthase and cyclooxygenase-2 in colonic mucosa. It also mediated Akt/GSK3β/cyclin D1 signaling pathway and altered the composition of gut microbiota to alleviate tumor growth.	通訊作者
153	Black garlic: a critical review of its production, bioactivity, and application	Journal of Food and Drug Analysis	2017, Jan	In this article, we summarize the current knowledge of changes in the components, bioactivity, production, and applications of black garlic, as well	

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				as the proposed future prospects on their possible applications as a functional food product.	
154	Cellular models for the evaluation of the antiobesity effect of selected phytochemicals from food and herbs	Journal of Food and Drug Analysis	2017, Jan	This review discusses selected phytochemicals from food and herbs and their effects on adipogenesis, lipogenesis, lipolysis, oxidation of fatty acids, and browning in 3T3-L1 preadipocytes.	通訊作者
155	Chemopreventive effect of natural dietary compounds on xenobiotic-induced toxicity	Journal of Food and Drug Analysis	2017, Jan	This review focuses on summarizing the natural dietary compounds derived from common dietary foods and plants and their possible mechanisms of action in the prevention/suppression of contaminant-induced toxicity.	通訊作者
156	Directly interact with keap1 and LPS is involved in the anti-inflammatory mechanisms of (-)-epicatechin-3-gallate in LPS-induced macrophages and endotoxemia	Free Radical Biology and Medicine	2016, Feb	Our results identified ECG as a novel Keap1-Nrf2 interaction disruptor and LPS-induced TLR4 activation inhibitor, thereby providing an innovative strategy to prevent or treat immune, oxidative stress and inflammatory-related diseases.	通訊作者
157	Phytochemistry, antioxidant capacity, total phenolic content and anti-inflammatory activity of Hibiscus sabdariffa leaves	Food Chemistry	2016, Jan	After the treatment of H. sabdariffa leaf extract, the reduction of LPS-induced NO production dose-dependently in RAW 264.7 cell indicates the extract’s potential anti-inflammatory activity.	共同作者
158	Chemistry and health beneficial effects of oolong tea and theasinensins	Food Science and Human Wellness	2015, Dec	The present review is to provide a new perspective on oolong tea and its characteristic phytochemicals, theasinensins associated with health benefits,	共同作者

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				molecular action pathway, and chemical mechanism of theasinensin formation from scientific evidences available on the literature.	
159	Antitumor activity of garcinol in human prostate cancer cells and xenograft mice.	Journal of Agricultural and Food Chemistry	2015, Oct	This study first showed that garcinol could induce apoptosis and inhibit autophagy in prostate cancer cells. In conclusion, garcinol possesses a potential property of chemoprevention.	通訊作者
160	Inhibitory effect of garcinol against 12-o-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumorigenesis in mice	Journal of Functional Foods	2015, Oct	Our findings suggest that garcinol may serve as a novel chemopreventive agent that effectively inhibits or delays inflammation-associated tumorigenesis, especially in the prevention of skin cancer.	共同作者
161	Se-allylselenocysteine induces autophagy by modulating the AMPK/MTOR signaling pathway and epigenetic regulation of PCDH17 in human colorectal adenocarcinoma cells	Molecular Nutrition & Food Research	2015, Sep	Our present study results suggest that ASC may have therapeutic potential in chemoprevention or clinical therapy of colorectal cancer. Based on these findings, the molecular mechanism underlying the regulation of AMPK to induce PCDH17 expression may serve as a cancer chemotherapeutic strategy.	共同作者
162	Disease chemopreventive effects and molecular mechanisms of hydroxylated polymethoxyflavones.	Biofactors	2015, Sep	This review highlights the recent published data of hydroxylated PMFs with chemopreventive potential and the underlying mechanism involved.	通訊作者
163	Calebin-a inhibits adipogenesis and hepatic steatosis in high-fat diet-induced obesity via activation of AMPK signaling.	Molecular Nutrition & Food Research	2015, Jun	These results demonstrated for the first time that Calebin-A suppressed adipocyte differentiation, prevented HFD-induced obesity, and improved	通訊作者

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				hepatic steatosis, suggesting a novel application for the prevention and treatment of obesity and associated nonalcoholic fatty liver disease.	
164	Protective effect of theaflavin-enriched black tea extracts against dimethylnitrosamine-induced liver fibrosis in rats	Food & Function	2015, Jun	The data demonstrated that TF-BTE exhibited hepatoprotective effects on experimental fibrosis, potentially by inhibiting the TGF-β1/Smad signaling.	通訊作者
165	Se-methyl-l-selenocysteine induces apoptosis via endoplasmic reticulum stress and the death receptor pathway in human colon adenocarcinoma COLO 205 cells.	Journal of Agricultural and Food Chemistry	2015, May	The results showed that the mechanism by which MseC induced apoptosis in COLO 205 cells involved caspase activation, the extrinsic apoptotic pathway, and the regulation of ER-stress-induced apoptosis.	通訊作者
166	In vitro and in vivo anti-cancer activity of tangeretin against colorectal cancer was enhanced by emulsion-based delivery system	Journal of Functional Foods	2015, Apr	This study is the first successful demonstration of the effect of delivery system on the oral efficacy of nutraceutical using long-term animal model.	共同作者
167	Safety evaluation of tangeretin and the effect of using emulsion-based delivery system: oral acute and 28-day sub-acute toxicity study using mice	Food Research International	2015, Apr	The lessons learned from the present investigation are that safety evaluations need to be conducted using a wider range of dose levels, and that the establishment of both NOAELs and LOAELs is of equal importance to high-dosage toxicity investigations, to ensure the safety of using bioactive ingredients.	共同作者
168	Preclinical and clinical effects of Coleus forskohlii, Salacia reticulata and Sesamum indicum modifying pancreatic lipase inhibition in vitro and reducing total body fat	Journal of Functional Foods	2015, Mar	The dual mechanism of S. indicum was postulated as a safety mechanism preventing any potential side effects resulting from excessive inhibition of pancreatic lipase activity.	通訊作者

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169	Reactivity and stability of selected flavor compounds	Journal of Food and Drug Analysis	2015, Mar	This review presents a variety of factors that are thought to be involved in the stability of several selected important flavor compounds and the approach to improve the stability of different flavors.	共同作者
170	Flavonolignans and other constituents from Lepidium meyenii with activities in anti-inflammation and human cancer cell lines	Journal of Agricultural and Food Chemistry	2015, Feb	Among the isolated compounds from the roots of Lepidium meyenii Walpers (Brassicaceae), two of them were modestly active for inhibiting nitrite production in macrophage. Three of them were demonstrated to be selectively active against HL-60 cells with IC50 values of 40.4, 52.0, and 52.1 μM, respectively.	通訊作者
171	Molecular mechanism on functional food bioactives for anti-obesity	Current Opinion in Food Science	2015, Jan	Scientific data suggest the anti-obesity activity of dietary bioactives through modulation of appetite, differentiation and function of adipocytes, lipid metabolism and adipokine secretion by genetic and epigenetic mechanisms.	通訊作者
172	The adverse effects of low-dose exposure to di(2-ethylhexyl) phthalate during adolescence on sperm function in adult rats	Environmental Toxicology	2014, Nov	This was the first study on the effects of low-dose exposure to DEHP during adolescence on sperm functions. A significant relationship between the sperm chromatin DNA damage and the generation of sperm H2O2 was observed.	通訊作者
173	Breast cancer chemoprevention by dietary natural phenolic compounds: specific epigenetic related	Molecular Nutrition and	2014, Nov	In this review, we summarize the specific chemopreventive targets of representative phenolic	第一作者

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	molecular targets	Food Research		compounds with an emphasis on their efficacy at interfering with epigenetic event related hormonal and nonhormonal signaling cascades that are responsible for multistage breast carcinogenesis.	
174	Krill oil and xanthigen separately inhibit high fat diet induced obesity and hepatic triacylglycerol accumulation in mice	Journal of Functional Foods	2014, Oct	Supplementation with 2.5% KO or Xan effectively reduced HFD-induced body weight gain and adipose mass increase without affecting food intake, and improved diet-induced hepatic steatosis.	通訊作者
175	Protective effects of garcinol on dimethylnitrosamine-induced liver fibrosis in rats	Food & Function	2014, Sep	Our current study suggested that garcinol exerted hepatoprotective and anti-fibrotic effects against DMN-induced liver injury in rats.	通訊作者
176	Physicochemical properties of Terminalia catappa seed oil as a novel dietary lipid source	Journal of Food and Drug Analysis	2014, Sep	The results showed that physicochemical properties including the density, refractive index, melting point, acidity, free fatty acid, saponification value, unsaponifiable, peroxide, and fatty acid composition of the extracted oil were comparable with soybean oil and their values followed the dietary standard of edible oil.	共同作者
177	5-demethyltangeretin is more potent than tangeretin in inhibiting dimethylbenz(a)anthracene (DMBA)/12-o-tetradecanoylphorbol-13-acetate (TPA)-induced skin tumorigenesis.	Journal of Functional Foods	2014, Sep	The results revealed for the first time the in vivo chemopreventive efficacy of 5-DTAN on inhibition of skin carcinogenesis through promoting apoptosis and molecular interactions with residues of PI3K, COX-2, and AKT that may potentially serve as a	通訊作者

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				novel functional agent capable of preventing inflammation-associated tumorigenesis.	
178	Garcinol suppresses inflammation-associated colon carcinogenesis in mice	Molecular Nutrition & Food Research	2014, Sep	This is the first investigation with evidence that garcinol has possible potential as a chemopreventive agent as shown in vivo but further studies are required to assess the relevance to inflammatory-linked colon cancer in other animal models and human studies.	通訊作者
179	Safety assessment of menaquinone-7 for use in human nutrition	Journal of Food and Drug Analysis	2014, May	The results indicate that menaguinone-7, in the Menaquin Gold form, was very well tolerated by the experimental animals, and did not show any preclinical or clinical toxicity at the dose levels that are several times higher than the average estimated dietary intake of menaquinone-7.	通訊作者
180	Metabolic and colonic microbiota transformation may enhance the bioactivities of dietary polyphenols.	Journal of Functional Foods	2014, Mar	In this review, we have detailed the absorption, metabolism and bioavailability of dietary polyphenols as well as the action of bioactive metabolites from polyphenolic compounds, with a special focus on metabolites' health effects and disease prevention properties resulting from its biotransformation.	通訊作者
181	Inhibitory effect of tetrahydrocurcumin on dimethylnitrosamine-induced liver fibrosis in rats.	Journal of Functional Foods	2014, Mar	The results presented in this paper demonstrated that THC, the major metabolite of curcumin, exhibited in	通訊作者

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				vivo hepatoprotective and antifibrotic effects against liver injury induced by DMN. The mechanism appeared to be mediated by inactivation of HSCs and inhibition of profibrogenic cytokine secretion during the development of liver fibrogenesis.	
182	Inhibitory effects of Momordica grosvenori Swingle extracts on 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mouse skin	Food & Function	2014, Feb	The investigation shows that MSE contains promising compounds for developing as anti-cancer agents for the treatment of inflammation associated with tumorigenesis, especially in the prevention as well as treatment of epithelial skin cancer.	通訊作者
183	Chemoprevention of nonalcoholic fatty liver disease by dietary natural compounds	Molecular Nutrition and Food Research	2014, Jan	In this review, we summarize and briefly discuss the currently known targets and signaling pathways as well as the role of dietary natural compounds that interfere with NAFLD pathogenesis.	第一作者
184	Chemopreventive effects of tetrahydrocurcumin on human diseases	Food & Function	2014, Jan	In this review, we summarize the current knowledge and underlying molecular mechanisms of the chemopreventative activities of THC and its potential effects on the development of various human diseases.	通訊作者
185	Variations in the efficacy of resistant maltodextrin on body fat reduction in rats fed different high-fat models	Journal of Agricultural and Food Chemistry	2013, Dec	The uses of the 23% HF diets, with and without milk, and the milk-free 40% HF diet were therefore recommended as suitable models for antiobesity evaluations of RMD, or other fiber-rich products.	共同作者

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186	Establishment of reporter platforms capable of detecting NF-κB mediated immuno-modulatory activity	Journal of Agricultural and Food Chemistry	2013, Dec	In this study, we have established luciferase reporter systems sensitive to NF-κB-dependent iNOS and COX-2 activation, which provides an alternative screening method for identifying food components with immune-modulatory activities.	共同作者
187	Hexahydro-β-acids potently inhibit 12-o-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice	Journal of Agricultural and Food Chemistry	2013, Nov	The probable mechanism of HBA to reduce skin papilloma formation may result from its anti-inflammatory property through suppression of inflammatory mediators, epidermal hyperplasia, and inflammatory cells infiltrating.	通訊作者
188	3,5,4’-trimethoxystilbene, a natural methoxylated analog of resveratrol, inhibits breast cancer cell invasiveness by downregulation of PI3K/AKT and WNT/β-Catenin signaling cascades and reversal of epithelial-mesenchymal transition	Toxicology and Applied Pharmacology	2013, Nov	The findings imply that methoxylation enhances the anti-invasive activity of resveratrol, thereby restoring basal-like phenotypes and attenuating the malignant potential and spread of breast cancer.	共同作者
189	Determination of flavonoids by LC/MS and anti-inflammatory activity in Moringa oleifera.	Journal of Functional Foods	2013, Oct	Leaves of moringa collected from sub-Sahara Africa were analyzed for phenolic components by HPLC–UV–MS. Twelve flavonoids were identified, including quercetin and kaempferol glucosides and glucoside malonates as major constituents.	共同作者
190	Suppression of adipogenesis and obesity in high-fat induced mouse model by hydroxylated polymethoxyflavones	Journal of Agricultural and Food Chemistry	2013, Oct	This study demonstrated that hydroxylated polymethoxyflavones (HPMFs) effectively and dose-dependently suppressed accumulation of lipid	通訊作者

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				droplets in adipocytes by approximately 51–55%.	
191	Effect of a labile methyl donor on the transformation of 5-demethyltangeretin and the related implication on bioactivity	Journal of Agricultural and Food Chemistry	2013, Aug	This is the first report in the literature of the transformation from 5-demethyltangeretin to tangeretin in a lecithin-based emulsion during lipolysis, and the mechanism underlying this phenomenon has also been proposed for the first time.	共同作者
192	Developmental exposure to decabrominated diphenyl ether (BDE-209): effects on sperm oxidative stress and chromatin DNA damage in mouse offspring.	Environmental Toxicology	2013, Jul	The findings suggest that BDE-209-induced male reproductive effects might involve the formation of sperm H(2)O(2) which attacks nucleic acids via H(2)O(2) generation.	共同作者
193	Peracetylated (-)-epigallocatechin-3-gallate (acEGCG) potently prevents skin carcinogenesis by suppressing the pkd1-dependent signaling pathway in cd34+ skin stem cells and skin tumors	Carcinogenesis	2013, Jun	Our results powerfully suggest that AcEGCG could be developed into a novel chemopreventive agent and that PKD1 may be a preventive and therapeutic target for skin cancer in clinical settings.	通訊作者
194	Potent anti-cancer effects of citrus peel flavonoids in human prostate xenograft tumors	Food & Function	2013, Jun	Our data demonstrated that treatment with GL by both intraperitoneal (i.p.) injection and oral administration dramatically reduced both the weights (57%–100% inhibition) and volumes (78%–94% inhibition) of the tumors without any observed toxicity.	通訊作者
195	Pterostilbene inhibits dimethylnitrosamine-induced liver fibrosis in rats	Food Chemistry	2013, Jun	Pterostilbene’s strong antioxidant and anti-inflammatory properties contribute to its diverse	通訊作者

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				pharmacological effects, which may include inhibition of HSC activation and secretion of profibrogenic cytokines during the development of liver fibrogenesis.	
196	Long-term ethanol exposure-induced hepatocellular carcinoma cell migration and invasion through lysyl oxidase activation are attenuated by combined treatment with pterostilbene and curcumin analogues	Journal of Agricultural and Food Chemistry	2013, May	This study suggests that targeting LOX expression with food components such as PSB and curcumin may be a novel strategy to overcome ethanol-induced HCC cell metastasis in liver cancer patients.	共同作者
197	Effective suppression of azoxymethane-induced aberrant crypt foci formation in mice with citrus peel flavonoids	Molecular Nutrition & Food Research	2013, Mar	The in vivo data have revealed for the first time that the citrus peel extract-GL-is an effective antitumor agent mechanistically downregulating the protein levels of iNOS, COX-2, ornithine decarboxylase, vascular endothelial growth factor, and matrix metallopeptidase 9 in colonic tissues of mice, suggesting that GL is a novel functional natural product capable of preventing inflammation-associated colon tumorigenesis.	通訊作者
198	Black tea in chemo-prevention of cancer and other human diseases	Food Science and Human Wellness	2013, Mar	In this review, we summarized the up-to-date research and underlying molecular mechanisms of black tea and its polyphenols.	第一作者
199	Phyto-power dietary supplement potently inhibits dimethylnitrosamine-induced liver fibrosis in rats	Food & Function	2013, Feb	Ohyto-power dietary supplement alleviated liver damage as indicated by histopathological	通訊作者

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				examination of the α-smooth muscle actin (α-SMA) and collagen I, accompanied by the concomitant reduction of transforming growth factor-β1 (TGF-β1) and matrix metalloproteinase 2 (MMP2).	
200	Black tea: Chemical analysis and stability	Food & Function	2013, Jan	Based on these scientific findings, numerous tea products have been developed including flavored tea drinks, tea-based functional drinks, tea extracts and concentrates, and dietary supplements and food ingredients, demonstrating the broad applications of tea and its extracts, particularly in the field of functional food.	共同作者
201	Inhibitory effect of citrus flavonoids on 12-o-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice	Food Science and Human Wellness	2012, Dec	This is the first investigation with solid evidence indicating the potential of GL as a novel chemo-preventive agent in the treatment of inflammation-associated tumorigenesis.	第一作者
202	Chemopreventive effects of pterostilbene on urethane-induced lung carcinogenesis in mice via the inhibition of EGFR-mediated pathways and the induction of apoptosis and autophagy	Journal of Agricultural and Food Chemistry	2012, Nov	The results indicate that the pterostilbene-mediated chemopreventive effects in vivo were a result of the inhibition of epidermal growth factor receptor (EGFR) and its downstream pathways, leading to retarded cell cycle progression, and of the induction of apoptosis and autophagy during urethane-induced lung tumorigenesis.	共同作者
203	Anti- inflammatory activity of lipophilic	Food Chemistry	2012, Sep	The EGCG-DPA esters effectively suppressed the	共同作者

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	epigallocatechin gallate (EGCG) derivatives in LPS-stimulated murine macrophages			expression of iNOS and COX -2 proteins as well as their mRNA, as observed with western blotting and RT-PCR analyses. Ester derivatives of EGCG with other fatty acids (stearic acid, SA; eicosapentaenoic acid, EPA; and docosahexaenoic acid, DHA) were also prepared in the form of pure tetraesters, which also exhibited anti-inflammatory effect in the macrophages.	
204	Inotilone suppresses phorbol ester–induced inflammation and tumor promotion in mouse skin	Molecular Nutrition & Food Research	2012, Aug	Based on the results, we concluded that inotilone has potential to be developed into an effective chemopreventive agent for the treatment of a variety of inflammatory diseases, especially the prevention and treatment of epithelial skin cancer.	通訊作者
205	Activation of AMPK by pterostilbene suppresses lipogenesis and cell cycle progression in p53 positive and negative human prostate cancer cells	Journal of Agricultural and Food Chemistry	2012, Jun	In p53 positive LNCaP cells, pterostilbene blocked the progression of cell cycle at G1 phase by inducing p53 expression and further up-regulating p21 expression. However, pterostilbene induced apoptosis in p53 negative PC3 cells.	共同作者
206	Peracetylated (-)-epigallocatechin-3-gallate (AcEGCG) potently suppresses dextran sulfate sodium-induced colitis and colon tumorigenesis in mice	Journal of Agricultural and Food Chemistry	2012, Apr	The results demonstrated for the first time the in vivo chemopreventive efficacy and molecular mechanisms of dietary AcEGCG against inflammatory bowel disease (IBD) and potentially colon cancer associated with colitis.	通訊作者

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207	Xanthigen suppresses preadipocyte differentiation and adipogenesis through down-regulation of PPARr and C/EBPs, and modulation of SIRT-1, AMPK and FOXO pathways	Journal of Agricultural and Food Chemistry	2012, Feb	The results indicate that Xanthigen suppresses adipocyte differentiation and lipid accumulation through multiple mechanisms and may have applications for the treatment of obesity.	通訊作者
208	Prevalence and risk factors of Erosive esophagitis in Taiwan	Journal of the Chinese Medical Association	2012, Feb	The current prevalence of erosive esophagitis in Taiwan is 17.3%. Male sex, smoking, obesity, and hiatus hernia are four independent risk factors for the development of erosive esophagitis in the Taiwanese population.	共同作者
209	Establishment and evaluation of biotechnological platform for screening health food with anti-inflammation ability	Journal of Traditional and Complementary Medicine	2012, Jan	The study developed an efficient method for screening food components with anti-inflammation function. We employed a reporter plasmid, which contains NF-κB response element followed by a minimal promoter for driving the down-stream luciferase reporter gene.	共同作者
210	Molecular mechanisms for anti-aging by natural dietary compounds	Molecular Nutrition & Food Research	2012, Jan	This review summarizes the current understanding on signaling pathways of aging and knowledge and underlying mechanism of natural dietary compounds that provide potential application on anti-aging and improve heath in human.	第一作者
211	Protective effects of epigallocatechin gallate (EGCG) derivatives on azoxymethane-induced colonic carcinogenesis in mice.	Journal of Functional Foods	2012, Jan	The results suggest that the lipophilic ester derivatives of EGCG are effective in inhibiting colon carcinogenesis and may be good candidates for colon	

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				cancer prevention/treatment.	
212	Tetrahydrocurcumin is more effective than curcumin in preventing azoxymethane-induced colon carcinogenesis	Molecular Nutrition & Food Research	2011, Dec	The results demonstrated for the first time the in vivo chemopreventive efficacy and molecular mechanisms of dietary THC against AOM-induced colonic tumorigenesis.	通訊作者
213	Mechanism for possible chemopreventive effects of natural dietary compounds on smoking-induced tumorigenesis	Journal of Experimental & Clinical Medicine	2011, Nov	In this review, we summarize the current knowledge on natural dietary compounds that act through modulating cigarette smoking-induced signaling pathways, thus providing further potential application for these substances in cancer chemopreventive action in humans.	共同作者
214	Tetrahydrocurcumin, a major metabolite of curcumin, induced autophagic cell death through coordinative modulation of PI3K/AKT-Mtor and MAPK signaling pathways in human leukemia HL-60 cells	Molecular Nutrition & Food Research	2011, Nov	Our results suggest that effect of autophagy on cell death may be dependent on its regulatory pathways. We recommend that the use of THC as a new anticancer agent for human leukemia should be pursued further because of its prominent effect and its new anticancer mechanism of inducing autophagy.	通訊作者
215	Anti-inflammatory activity of traditional Chinese medicinal herbs	Journal of Traditional and Complementary Medicine	2011, Oct	In this review, we summarize recent research attempting to identify the anti-inflammatory constituents of TCM and their molecular targets that may create new opportunities for innovation in modern pharmacology.	第一作者
216	The inhibitory effects of	Molecular	2011, Oct	The present study demonstrated potent inhibitory	共同作者

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	5-hydroxy-3,6,7,8,3',4'-hexamethoxyflavone on human colon cancer cells	Nutrition & Food Research		effects of 5HHMF on colony-forming ability of colon cancer cells. These activities were associated with the suppressive effects of 5HHMF on multiple oncogenic signaling pathways, such as EGFR/K-Ras signaling, Wnt/β-catenin signaling, and NF-κB signaling.	
217	A rapid LC/MS/MS method for the analysis of nonvolatile anti-inflammatory agents from Mentha spp.	Journal of Food Science	2011, Aug	Results from this research would benefit both commercial farmers growing mint for essential oil and those in the food industry where value-added phytopharmaceutical enriched products can be developed with proper processing, quality control, and recovery systems during mint essential oil distillation.	共同作者
218	Magnolol blocks homocysteine-induced endothelial dysfunction in porcine coronary arteries	Food Chemistry	2011, Jul	Magnolol also displayed vasoprotective effects and the ability to scavenge hydrogen peroxide and homocysteine-induced superoxide anions.	通訊作者
219	Magnolol potently suppressed lipopolysaccharide-induced INOS and COX-2 expression via downregulating MAPK and NF-KB signaling pathways.	Journal of Functional Foods	2011, Jul	The results suggest that magnolol inhibits iNOS and COX-2 protein and gene expression by blocking the activation of NF-κB through interference with activation of PI3K/Akt and MAPK signaling.	通訊作者
220	Polyoxygenated sterols from freshwater clam	Helvetica Chimica Acta	2011, May	Two new biologically active polyoxygenated sterols, 3,5,9-trihydroxycholest-7-en-6-one (1) and cholest-7-ene-3,6,9-triol (3), together with one known sterone, topsentisterol D3 (2), were isolated from	共同作者

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				freshwater clam (Corbicula fluminea Muller; an important cultured edible shellfish in Taiwan).	
221	Se-methylselenocysteine inhibits lipopolysaccharide-induced NF-KB activation and INOS induction in RAW 264.7 murine macrophages	Molecular Nutrition & Food Research	2011, May	MSC might contribute to the potent anti-inflammatory effect in LPS-activated RAW 264.7 cells via downregulation of NF-κB activation and iNOS expression, suggesting that MSC may be considered as a therapeutic candidate for chronic inflammatory diseases.	第一作者
222	Inhibitory effects of Hexahydro-β-acids in LPS-stimulated murine macrophage	Journal of Functional Foods	2011, May	PD significantly ameliorated the activation of NF-κB and the phosphorylation of MAPKs in LPS-induced RAW 264.7 macrophages. These findings suggested that PD exerted potent anti-inflammatory activity in macrophages.	通訊作者
223	Citrus flavonoid, 5-demethylnobiletin, suppresses scavenger receptor expression in THP-1 cells and alters lipid homeostasis in HepG2 liver cells	Molecular Nutrition & Food Research	2011, May	Current results suggest that 5-demethylnobiletin has diverse anti-atherogenic bioactivities. It is more potent in inhibiting monocyte-to-macrophage differentiation and foam cell formation than its permethoxylated counterpart, nobiletin. It exhibits similar hypolipidemic activity as nobiletin and both can enhance LDL receptor gene expression and activity and decreased acyl CoA:diacylglycerol acyltransferase 2 expression.	共同作者
224	Hexahydro-β-acids induce apoptosis through	Food and	2011, Apr	The findings suggest that HBA creates an oxidative	通訊作者

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	mitochondrial pathway, GADD153 expression, and caspase activation in human leukemia cells	Chemical Toxicology		cellular environment that induces DNA damage and GADD153 gene activation, which in turn triggers apoptosis in HL-60 cells.	
225	The p53-, Bax- and p21-dependent inhibition of colon cancer cell growth by 5-hydroxy polymethoxyflavones	Molecular Nutrition & Food Research	2011, Apr	Our results demonstrated that 5OH-PMFs, especially 5HHMF and 5HTMF, induce apoptosis and cell-cycle arrest by p53-, Bax- and p21-dependent mechanism.	共同作者
226	Pterostilbene is more potent than resveratrol in preventing azoxymethane (AOM)-induced colon tumorigenesis via activation of the NF-E2-related Factor 2 (Nrf2)-mediated antioxidant signaling pathway	Journal of Agricultural and Food Chemistry	2011, Mar	PS was a more potent chemopreventive agent than RS for the prevention of colon cancer. This is also the first study to demonstrate that PS is a Nrf2 inducer and AR inhibitor in the AOM-treated colon carcinogenesis model.	通訊作者
227	Tea polyphenol (-)-epigallocatechin-3-gallate inhibits nicotine- and estrogen-induced α9-nicotinic acetylcholine receptor upregulation in human breast cancer cells	Molecular Nutrition & Food Research	2011, Mar	We found that the EGCG could be used as an agent for blocking smoking (Nic)-or hormone (E2)-induced breast cancer cell proliferation by inhibiting of alpha 9-nAChR signaling pathway.	共同作者
228	Flavonoid glycosides from Microtea debilis and their cytotoxic and anti-inflammatory effects	Fitoterapia	2011, Mar	Two new 5-O-glucosylflavones, 5-O-beta-D-glucopyranosyl cirsimaritin (1) and 5, 4'-O-beta-D-diglucopyranosyl cirsimaritin (2), four known flavonoids have been isolated from the aerial parts of Microtea debilis.	共同作者
229	Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethane-treated mice	Molecular Nutrition & Food Research	2011, Feb	The results demonstrated for the first time the in vivo chemopreventive efficacy and molecular mechanisms of dietary hydroxylated PMFs against AOM-induced	通訊作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
				colonic tumorigenesis.	
230	Rosmanol potently induces apoptosis through both the mitochondrial apoptotic pathway and death receptor pathway in human colon adenocarcinoma COLO 205 cells	Food and Chemical Toxicology	2011, Feb	The results demonstrate that the rosmanol-induced apoptosis in COLO 205 cells is involvement of caspase activation and involving complicated regulation of both the mitochondrial apoptotic pathway and death receptor pathway.	通訊作者
231	Multistage carcinogenesis process as molecular targets in cancer chemoprevention by epicatechin-3-gallate	Food & Function	2011, Feb	This review summarizes recent research on the ECG-induced cellular signal transduction events which implicate in cancer management.	第一作者
232	Molecular mechanisms for chemoprevention of colorectal cancer by natural dietary compounds	Molecular Nutrition & Food Research	2011, Jan	We summarize the currently known targets and signaling pathways whereby natural dietary compounds interfere with the development of colorectal cancer, and thus providing evidence for these substances in colonic cancer chemopreventive action.	第一作者
233	Nicotine-induced human breast cancer cell proliferation attenuated by garcinol through down-regulation of the nicotinic receptor and cyclin D3 proteins	Breast Cancer Research and Treatment	2011, Jan	The results suggest that alpha 9-nAChR-mediated cyclin D3 overexpression is important for nicotine-induced transformation of normal human breast epithelial cells.	共同作者
234	Suppression of Heregulin-β1/HER2-modulated invasive and aggressive phenotype of breast carcinoma by pterostilbene via inhibition of Matrix Metalloproteinase-9, p38 kinase cascade and Akt	Evidence-Based complementary and Alternative Medicine	2011	our present results suggest that pterostilbene may serve as a chemopreventive agent to inhibit HRG-beta 1/HER2-mediated aggressive and invasive phenotype of breast carcinoma through	第一作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	activation			down-regulation of MMP-9, p38 kinase and Akt activation.	
235	Protective effect of Pracparatum mungo extract on carbon tetrachloride-induced hepatotoxicity in rats	Food Chemistry	2010, Dec	The results indicated that PME has a protective effect against acute hepatotoxicity induced by the administration of CCl(4) in rats, and that the hepatoprotective effects of PME may be due to both the inhibition of lipid peroxidation and the increase of antioxidant activity.	通訊作者
236	Purification and characterization of a fish scale-degrading enzyme from a newly identified Vogesella sp.	Journal of Agricultural and Food Chemistry	2010, Dec	Hydrolysates from fish scales treated with protease 7307-1 were found having low molecular weight peptides (<1 kDa). The protease 7307-1 is a promising enzyme for preparing smaller peptides from fish scales.	第一作者
237	Garcinol inhibits cell growth in hepatocellular carcinoma Hep3B cells through induction of ROS-dependent apoptosis	Food & Function	2010, Dec	The proteolytic cleavage of poly-(ADP-ribose)-polymerase (PARP) and DNA fragmentation factor-45 (DFF-45) increased in dose- and time-dependent manners.	通訊作者
238	CEBPD reverses RB/E2F1-mediated gene repression and participates in HMDB-induced apoptosis of cancer cells	Clinical Cancer Research	2010, Dec	The results clearly demonstrate that HMDB kills cancer cells through activation of CEBPD pathways and suggest that HMDB can serve as a superior chemotherapeutic agent with limited potential for adverse side effects.	共同作者
239	Hexavalent chromium induced ROS formation,	Toxicology	2010, Oct	The observations of our study help us better	共同作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	Akt, NF-κB, and MAPK activation, and TNF-α and IL-1α production in keratinocytes	letters		understand the role of hexavalent chromium on the development of chromium hypersensitivity, which might provide clues for clinicians in the development of chemopreventative agents for the prevention of chromium hypersensitivity among cement workers.	
240	Anti-inflammatory activity of natural dietary flavonoids	Food & Function	2010, Oct	In this review, we summarize current knowledge and underlying mechanisms on anti-inflammatory activities of flavonoids and their implicated effects in the development of various chronic inflammatory diseases.	第一作者
241	Flavonoids from Rabdosia rubescens exert anti-inflammatory and growth inhibitory effect against human leukemia HL-60 cells	Food Chemistry	2010, Oct	Eight flavonoids, 5,8,4'-trihydroxy-6,7,3'-trimethoxyflavone (1), 5,4'-dihydroxy-6,7,8,3'-tetramethoxyflavone (2), nodifloretin (3), pedalitin, (4), penduletin (5), cirsiliol (5), luteolin (7), and quercetin (8), were isolated from the aerial parts of Rabdosia rubescens.	共同作者
242	6-Shogaol is more effective than 6-gingerol and curcumin in inhibiting 12-O-tetradecanoylphorbol 13-acetate-induced tumor promotion in mice	Molecular Nutrition & Food Research	2010, Sep	Presented data reveal for the first time that 6-shogaol is an effective anti-tumor agent that functions by down-regulating inflammatory iNOS and COX-2 gene expression in mouse skin.	通訊作者
243	Pterostilbene inhibits colorectal aberrant crypt foci (ACF) and colon carcinogenesis via suppression of multiple signal transduction pathways in	Journal of Agricultural and Food Chemistry	2010, Aug	All of these results revealed that pterostilbene is an effective antitumor agent as well as its inhibitory effect through the down-regulation of inflammatory	通訊作者

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	azoxymethane-treated mice			iNOS and COX-2 gene expression and up-regulation of apoptosis in mouse colon, suggesting that pterostilbene is a novel functional agent capable of preventing inflammation-associated colon tumorigenesis.	
244	Ling-Zhi polysaccharides potentiate cytotoxic effects of anticancer drugs against drug-resistant urothelial carcinoma cells	Journal of Agricultural and Food Chemistry	2010, Aug	The molecular events of combined effects involved significant and earlier induction of Fas, caspase 3 and 8 activation, Bax and Bad up-regulation, Bcl-2 and Bcl-x(L) down-regulatuion, and cytochrome c release.	共同作者
245	N-acetylcysteine inhibits chromium hypersensitivity in coadjuvant chromium-sensitized albino guinea pigs by suppressing the effects of reactive oxygen species	Experimental Dermatology	2010, Aug	NAC could be a potential chemopreventative agent to prevent the progression of chromium hypersensitivity.	共同作者
246	Inhibitory effects of 5-hydroxy polymethoxyflavones on colon cancer cells	Molecular Nutrition & Food Research	2010, Jul	Our results further demonstrated that the inhibitory effects of 5-hydroxy PMFs were associated with their ability in modulating key signaling proteins related to cell proliferation and apoptosis, such as p21(Cip1/Waf1), CDK-2, CDK-4, phosphor-Rb, Mcl-1, caspases 3 and 8, and poly ADP ribose polymerase (PARP).	共同作者
247	LC-MS method for the simultaneous quantitation of the anti-inflammatory constituents in Oregano	Journal of Agricultural and	2010, Jun	A quantitative survey of these anti-inflammatory constituents in different oregano species (O. vulgare	共同作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	(Origanum Species)	Food Chemistry		ssp. hirtum, O. vulgare, and O. syriacum) and chemotypes within the species varied significantly in their accumulation of rosmarinic, oleanolic, and ursolic acids. Significant variation in chemical composition between species and within a species was found.	
248	Inhibitory effect of magnolol on TPA-induced skin inflammation and tumor promotion in mice	Journal of Agricultural and Food Chemistry	2010, May	The results revealed that magnolol is an effective antitumor agent and that its inhibitory effect is through the down-regulation of inflammatory iNOS and COX-2 gene expression in mouse skin.	通訊作者
249	Flavonoids and phenolic compounds from Rosmarinus officinalis	Journal of Agricultural and Food Chemistry	2010, May	A new flavonoid, 6 "-O-(E)-feruloylhomoplantaginin (1), and 14 known compounds were isolated from the leaves of Rosmarinus officinalis.	共同作者
250	Induction of apoptosis by [8]-shogaol via reactive oxygen species generation, glutathione depletion, and caspase activation in human leukemia cells	Journal of Agricultural and Food Chemistry	2010, Mar	The results suggest for the first time that ROS production and depletion of glutathione that contributed to [8]-shogaol-induced apoptosis in HL-60 cells.	通訊作者
251	Nobiletin metabolite, 3’,4’-dihydroxy-5,6,7,8-tetramethoxyflavone, inhibits LDL oxidation and down-regulates scavenger receptor expression and activity in THP-1 cells	Biochimica et Biophysica Acta-Molecular and Cell Biology of Lipids	2010, Feb	At least three mechanisms are at work in parallel: DTF reduces LDL oxidation, attenuates monocyte differentiation into macrophage and blunts uptake of modified LDL by macrophage. The effect is different from that of NOB, from which DTF is derived.	共同作者
252	Combination treatment with luteolin and quercetin	Journal of	2010, Jan	Such results show that Lut- or Que-induced	共同作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	enhances antiproliferative effects in nicotine-treated MDA-MB-231 cells by down-regulating nicotinic acetylcholine receptors	Agricultural and Food Chemistry		antitransforming activities were not limited to specific inhibition of the alpha 9-nAChR receptor. Both alpha 5- and alpha 9-nAChR appear to be important molecular targets for Lut- and Que-induced antitumor effects in human breast cancer cells.	
253	3,5,3',4',5'-Pentamethoxystilbene (MR-5), a synthetically methoxylated analogue of resveratrol, inhibits growth and induces g1 cell cycle arrest of human breast carcinoma MCF-7 cells	Journal of Agricultural and Food Chemistry	2010, Jan	Our results demonstrate that l affects multiple cellular targets that contribute to its antiproliferative activity in MCF-7 cells and provide novel information for synthetic chemists to design new antitumor agents with introduction of methoxylated group(s) in the basic compound.	第一作者
254	Ent-Kaurane diterpenoids from Rabdosia rubescens and their cytotoxic effects on human cancer cell lines	Planta Medica	2010, Jan	Two new ent-kaurane diterpenoids, 16,17-exo-epoxide-oridonin (1) and 11,15-O,O-diacetyl-rabdoternins D (2), together with thirteen known ones, were isolated from the aerial parts of Rabdosia rubescens.	共同作者
255	Rosmanol potently inhibits lipopolysaccharide-induced iNOS and COX-2 expression through downregulating MAPK, NF-κB, STAT3 and C/EBP signaling pathways	Journal of Agricultural and Food Chemistry	2009 Nov	Our results demonstrate that rosmanol downregulates inflammatory iNOS and COX-2 gene expression by inhibiting the activation of NF-kappa B and STAT3 through interfering with the activation of PI3K/Akt and MAPK signaling	通訊作者
256	Increased growth inhibitory effects on human cancer cells and anti-inflammatory potency of	Journal of Agricultural and	2009, Nov	We found that [6]-shogaol had much stronger inhibitory effects on arachidonic acid release and	共同作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	shogaols from zingiber officinale relative to gingerols	Food Chemistry		nitric oxide (NO) synthesis than [6]-gingerol.	
257	Differential inhibitory effects of inotilone on inflammatory mediators, inducible nitric oxide synthase and cyclooxygenase-2, in LPS-stimulated murine macrophage	Molecular Nutrition & Food Research	2009, Nov	Inotilone also inhibited LPS-induced activation of PI3K/Akt and extracellular signal-regulated kinase 1/2 and p38 mitogen-activated protein kinase.	第一作者
258	EGCG inhibits protein synthesis, lipogenesis, and cell cycle progression through activation of AMPK in p53 positive and negative human hepatoma cells	Molecular Nutrition & Food Research	2009, Sep	In p53 positive Hep, G2 cells, EGCG blocked the progression of cell cycle at G1 phase by inducing p53 expression and further up-regulating p21 expression. However, EGCG inducted apoptosis in p53 negative Hep 3B cells.	共同作者
259	Pterostilbene inhibited tumor invasion via suppressing multiple signal transduction pathways in human hepatocellular carcinoma cells	Carcinogenesis	2009, Jul	Presented data reveal that pterostilbene is a novel, effective, anti-metastatic agent that functions by downregulating MMP-9 gene expression.	第一作者
260	Modulation of Inflammatory Genes by Natural Dietary Bioactive Compounds	Journal of Agricultural and Food Chemistry	2009, Jun	This review summarizes current knowledge on natural bioactive compounds that act through the signaling pathways and modulate inflammatory gene expressions, thus providing evidence for these substances in cancer chemopreventive action.	第一作者
261	Anti-inflammatory effect of Momordica grosvenori Swingle extract through suppressed LPS-induced upregulation of iNOS and COX-2 in murine macrophages	Journal of Functional Foods	2009, Apr	The results show that MSE down regulates inflammatory iNOS and COX-2 gene expression in macrophages by inhibiting the activation of NF kappa B by interfering with the activation PI3K/Akt/IKK	第一作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
				and MAPK.	
262	Chemistry and health effects of polymethoxyflavones and hydroxylated polymethoxyflavones	Journal of Functional Foods	2009, Jan	In this review, the natural occurrence, isolation and separation of PMFs; synthetic scheme of hydroxylated PMF preparation, especially the reaction mechanism of preparation of 5-hydroxylated PMFs; biotransformation and metabolic fate of PMFs; the preliminary study on PMF bioavailability and the close relationship among solubility, permeability, absorption and oral bioavailability are summarized.	共同作者
263	6-Shogaol suppressed lipopolysaccharide-induced up-expression of iNOS and COX-2 in murine macrophages	Molecular Nutrition & Food Research	2008, Dec	The results show that 6-shogaol downregulates inflammatory NOS and COX-2 gene expression in macrophages by inhibiting the activation of NF kappa B by interfering with the activation PI3K/Akt/I kappa B kinases IKK and MAPK.	第一作者
264	Dihydrolipoic acid inhibits tetrachlorohydroquinone-induced tumor promotion through prevention of oxidative damage	Food and Chemical Toxicology	2008, Dec	We conclude that DHLA may be a useful protective agent against TCHQ-induced toxicity in epithelial cells, and for reversing TCHQ-induced damage in mouse skin.	通訊作者
265	Anti-inflammatory and antitumor promotional effects of a novel urinary metabolite, 3',4'-didemethylnobiletin, derived from nobiletin	Carcinogenesis	2008, Dec	Presented data for the first time reveal that DDMN is an effective antitumor agent that functions by downregulating inflammatory iNOS, COX-2 and ODC gene expression in mouse skin.	共同作者

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266	Involvement of activating transcription factors JNK, NF-κB, and AP-1 in apoptosis induced by pyrrolidine dithiocarbamate/Cu complex	European Journal of Pharmacology	2008, Oct	Based on these findings; we conclude that PDTC/Cu complex-induced apoptosis is mediated by activation of JNK, NF-kappa B, AP-1 and caspase 3. Due to its high potency, PDTC may be useful as a therapeutic anti-cancer drug.	共同作者
267	Pterostilbene suppressed lipopolysaccharide-induced up-expression of MOS and COX-2 in murine macrophages	Journal of Agricultural and Food Chemistry	2008, Aug	The results show that pterostilbene down regulates inflammatory iNOS and COX-2 gene expression in macrophages by inhibiting the activation of NF kappa B by interfering with the activation of PI3K/Akt/IKK and MAPK.	第一作者
268	Induction of apoptosis by vitamin D2, ergocalciferol, via reactive oxygen species generation glutathione depletion, and caspase activation in human leukemia cells	Journal of Agricultural and Food Chemistry	2008, May	This study demonstrated that ergocalciferol was able to inhibit leukemia cell growth in a concentration-dependent manner.	通訊作者
269	6-Shogaol induces apoptosis in human colorectal carcinoma cells via ROS production, caspase activation, and GADD 153 expression	Molecular Nutrition & Food Research	2008, May	The growth arrest and DNA damage (GADD)-inducible transcription factor 153 (GADD153) mRNA and protein is markedly induced in a time- and concentration-dependent manner in response to 6-shogaol.	第一作者
270	Reactive dicarbonyl compounds and 5-(hydroxymethyl)-2-furfural in carbonated beverages containing high fructose corn syrup	Food Chemistry	2008, Apr	Alpha-Dicarbonyl compounds, namely glyoxal (GO), methylglyoxal (MGO) and 3-deoxyglucosone (3-DOG), as well as 5-(hydroxymethyl)-2-furfural (5-HMF) were found and measured in carbonated	共同作者

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				soft drinks (CSD).	
271	Antitumor Activity of 3,5,4′-trimethoxystilbene in COLO 205 cells and xenografts in SCID mice	Molecular Carcinogenesis	2008, Mar	Our study identifies the novel mechanisms of the antitumor effects of MR-3 and indicates that these results may have significant applications for cancer chemotherapy.	第一作者
272	Withangulatin I, a new cytotoxic withanolide from Physalis angulata	Chemical & Pharmaceutical Bulletin	2008, Feb	A new withanolide, withangulatin 1 (2), was isolated from the whole plant of Physalis angulata. Its structure was established as (20S,22R)-15 alpha-acetoxy-5 beta,6 beta-epoxy-14 alpha-hydroxy-1,4-dioxo-witha-2,16,24-trienolide on the basis of chemical and spectroscopic methods including 2D-NMR and circular dichroism (CD) experiments.	共同作者
273	Food bioactives, apoptosis, and cancer	Molecular Nutrition & Food Research	2008, Jan	This review summarizes the current knowledge of food bioactives that act through the signaling pathway inducing programed cell death, thus providing the evidence for these substances in cancer prevention.	第一作者
274	Developmental exposure to decabromodiphenyl ether (PBDE 209): Effects on thyroid hormone and hepatic enzyme activity in male mouse offspring	Chemosphere	2008, Jan	The data demonstrate that PBDE 209 is likely an endocrine disrupter in male mice following exposure during development. Further studies using environmentally relevant doses are needed for hazard identification.	共同作者

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275	Cytotoxic triterpenoids from the root bark of Helicteres angustifolia	Chemistry & Biodiversity	2008	Three new triterpenoids, 3 beta-acetoxy-27-[(E)-cinnamoyloxy]lup-20(29)-en-28-oic acid methyl ester (1), 3 beta-acetoxy-27-[(4-hydroxybenzoyl)oxy]lup-20(29)-en-28-oic acid (2), and 3 beta-acetoxy-27-[(4-hydroxybenzoyl)oxy]olean-12-en-28-oic acid methyl ester (3), together with nine known triterpenoids, 412, were isolated from the root bark of Helicteres angustifolia.	第一作者
276	Chemopreventive effects of natural dietary compounds on cancer development	Chemical Society Reviews	2007	In this critical review, we will summarize current knowledge on natural dietary compounds that act through the signaling pathways and modulate gene expression to induce detoxifying enzymes, programmed cell death, anti-inflammatory, and anti-proliferative effects, thus providing evidence for these substances in cancer chemopreventive action	第一作者
277	Inhibitory effect of citrus 5-hydroxy-3,6,7,8,3′,4′-hexamethoxyflavone on 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice	Carcinogenesis	2007, Nov	The results revealed for the first time that 5-OH-HxMF is an effective antitumor agent and its inhibitory effect is through the down-regulation of inflammatory iNOS and COX-2 gene expression in mouse skin, suggesting that 5-OH-HxMF is a novel functional agent capable of preventing inflammation-associated tumorigenesis.	通訊作者

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278	Induction of apoptosis by Uncaria tomentosa through reactive oxygen species production, cytochrome c release, and caspases activation in human leukemia cells	Food & Chemical Toxicology	2007, Nov	The results of our studies show clearly that CC-EA's induction of apoptosis in HL-60 cells may make it very important in the development of medicine that can trigger chemopreventive actions in the body.	通訊作者
279	Pterostilbene induces apoptosis and cell cycle arrest in human gastric carcinoma cells	Journal of Agricultural and Food Chemistry	2007, Sep	Pterostilbene induced apoptosis in AGS cells through activating the caspase cascade via the mitochondrial and Fas/FasL pathway, GADD expression, and by modifying cell cycle progress and changes in several cycle-regulating proteins.	第一作者
280	Anti-inflammatory property of the urinary metabolites of nobiletin in mouse	Bioorganic & Medicinal Chemistry Letters	2007, Sep	This letter reports the identification of nobiletin metabolites and their anti-inflammatory activity against LPS-induced NO production and iNOS, COX-2 protein expression in RAW264.7 macrophage. (c) 2007 Elsevier Ltd. All rights reserved.	共同作者
281	5-hydroxy-3,6,7,8,3′,4′-hexamethoxyflavone induces apoptosis through reactive oxygen species production, growth arrest and DNA damage-inducible gene 153 expression, and caspase activation in human leukemia cells	Journal of Agricultural and Food Chemistry	2007, Jun	Our study identified the novel mechanisms of 5-OH-HxMF-induced apoptosis and indicated that these results have significant applications as potential chemopreventive and chemotherapeutic agents.	第一作者
282	Tea polyphenol (-)-epigallocatechin 3-gallate suppresses heregulin-β1-induced fatty acid synthase expression in human breast cancer cells	Journal of Agricultural and Food Chemistry	2007, Jun	The findings extend our previous study to indicate that EGCG may be useful in the chemoprevention of breast carcinoma in which FAS overexpression	第一作者

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	by inhibiting phosphatidylinositol 3-kinase/Akt and mitogen-activated protein kinase cascade signaling			results from HER2 or/and HER3 signaling.	
283	Lanostane-type triterpenoids from Diospyros discolor	Chemical & Pharmaceutical Buleetin	2007, Jun	Four new lanostane-type triterpenes, 24-ethyl-3 beta-methoxylanost-9(11)-en-25-ol (1), 3 beta-methoxy-24-methyl-enelanost-9(11)-en-25-ol (2), 3 beta-methoxy-25-methyl-24-methylenelanost-9(11)-en-21-ol (3) and 3 beta-methoxy-24m ethyllanosta-9(11),2 5-dien-24-ol (4) together with three known triterpenes, betulinaldehyde, betulinic acid methyl ester, and ursaldehyde have been isolated from the methanol extract of the twigs of Diospyros discolor.	共同作者
284	Dihydrolipoic acid inhibits skin tumor promotion through anti-inflammation and anti-oxidation	Biochemical Pharmacology	2007, Jun	When applied topically onto the shaven backs of mice prior to TPA, DHLA markedly inhibited the expression of iNOS protein. DHLA also strongly and directly inhibited COX-2 activity. These results suggest that DHLA can be a possible chemopreventive agent in inflammation-associated tumorigenesis.	共同作者
285	Exposure in utero to 2,2',3,3',4,6'-hexachlorobiphenyl (PCB 132)	Toxicology and Applied	2007, May	This study determines whether epididymal sperm function and expression of apoptosis-related genes	共同作者

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	impairs sperm function and alters testicular apoptosis-related gene expression in rat offspring	Pharmacology		were induced or inhibited by prenatal exposure to PCB 132.	
286	Isolation and syntheses of polymethoxyflavones and hydroxylated polymethoxyflavones as inhibitors of HL-60 cell lines	Bioorganic & Medicinal Chemistry	2007, May	Fifteen polymethoxyflavones (PMFs) and hydroxylated PMFs were isolated from sweet orange (Citrus sinensis) peel extract and synthesized to investigate their biological activity.	共同作者
287	Involvement of MAPK, Bcl-2 family, cytochrome c, and caspases in induction of apoptosis by 1,6-O,O-diacetylbritannilactone in human leukemia cells	Molecular Nutrition & Food Research	2007 Feb	1,6-O,O-diacetylbritannitactone (OODBL) isolated from Inula britannica, exhibits potent antitumor activity against several human cancer cell lines.	第一作者
288	Tocopherols and triterpenoids from Sida acuta	Journal of the Chinese Chemical Society	2007, Feb	A new tocopherol derivative, 7(a)-methoxy-alpha-tocopherol (1), and a new taraxastane triterpene, taraxast-1,20(30)-dien-3-one (5), together with four known compounds, beta-tocopherol (2), alpha-tocopherol (3), alpha-tocospiro B (4) and taraxasterone (6) were isolated from the whole plant of Sida acuta.	共同作者
289	Apoptotic-inducing epidioxysterols identified in hard clam (Meretrix lusoria)	Food Chemistry	2007	The molecular mechanisms of epidioxysterolds-induced apoptosis as determined by annexin V apoptosis assay, DNA condensation, and sub-G1 DNA were investigated. The results suggest that induction of apoptosis by epidioxysterols may provide a pivotal mechanism for its cancer	第一作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
				chemoprevention.	
290	Induction of apoptosis by cinnamaldehyde from indigenous cinnamon Cinnamomum osmophloeum Kaneh through reactive oxygen species production, glutathione depletion, and caspase activation in human leukemia K562 cells	Food Chemistry	2007	The results suggest that ROS production and depletion of the glutathione that committed to cinnamaldehyde-induced apoptosis in K562 cells.	通訊作者
291	Trapping reactions of reactive carbonyl species with tea polyphenols in simulated physiological conditions	Molecular Nutrition & Food Research	2006 Dec	Identities of primary adducts between (-)-epigallocatechin gallate (EGCG) and MGO were determined. Newly generated stereoisomers at the C8 position of EGCG A-ring were isolated with a chiral column, and structurally confirmed by 2-D NMR analyses.	共同作者
292	Acacetin suppressed LPS-induced up-expression of iNOS and COX-2 in murine macrophages and TPA-induced tumor promotion in mice	Biochemical Pharmacology	2006, Nov	The results show that acacetin down regulates inflammatory iNOS and COX-2 gene expression in macrophages by inhibiting the activation of NF kappa B by interfering with the activation Pl3K/Akt/IKK and MAPK, suggesting that acacetin is a functionally novel agent capable of preventing inflammation-associated tumorigenesis.	第一作者
293	Induction of apoptosis by Meretrix lusoria through reactive oxygen species production, glutathione depletion, and caspase activation in human leukemia cells	Life Science	2006, Aug	The induction of apoptosis by. M lusoria may prove to be a pivotal mechanism for its cancer chemopreventive action.	第一作者

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294	Apoptosis-inducing active components from Corbicula fluminea through activation of caspase-2 and production of reactive oxygen species in human leukemia HL-60 cells	Food and Chemical Toxicology	2006, Aug	Induction of apoptosis on HL-60 cells by FME was mainly associated with ROS production, GSH depletion, mitochondrial dysfunction, and caspase activation. (c) 2006 Elsevier Ltd. All rights reserved.	通訊作者
295	Postnatal exposure of the male mouse to 2,2',3,3',4,4',5,5',6,6'-decabrominated diphenyl ether: Decreased epididymal sperm functions without alterations in DNA content and histology in testis	Toxicology	2006, Jul	Decreased epididymal sperm MMP and ALH as well as induced generation of sperm H,O, were some of the most serious effects of postnatal PBDE 209 exposure.	共同作者
296	Pyrrolidine dithiocarbamate inhibition of luteolin-induced apoptosis through up-regulated phosphorylation of Akt and caspase-9 in human leukemia HL-60 cells	Journal of Agricultural and Food Chemistry	2006, Jul	The results suggest that in the luteolin-induced apoptotic pathway, phosphorylation of procaspase-9 by survival signals might play an important role in the ultimate fate of HL-60 cells.	通訊作者
297	Sperm DNA damage correlates with polycyclic aromatic hydrocarbons biomarker in coke-oven workers	International Archives of Occupational And Environmental Health	2006, May	A potential risk of sperm dysfunction should be considered for workers occupationally exposed to high levels of PAHs. Cigarette smoking may aggravate this risk. Urinary 1-OHP can be used as a biomarker predicting sperm dysfunction.	共同作者
298	Lipoxygenase from banana leaf: Purification and characterization of an enzyme that catalyzes linoleic acid oxygenation at the 9-position	Journal of Agricultural and Food Chemistry	2006, Apr	Journal of Agricultural and Food Chemistry	共同作者
299	Sesquiterpene lactones from Inula britannica and	Journal of	2006, Apr	Three new sesquiterpenes (1-3), together with four	共同作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	their cytotoxic and apoptotic effects on human cancer cell lines	Natural Products		known sesquiterpene lactones, were isolated from the flowers of Inula britannica var. chinensis.	
300	Induction of apoptosis by 1-(2-hydroxy-5-methyl phenyl)-3-phenyl-1,3-propanedione through reactive oxygen species production, GADD153 expression, and caspases activation in human epidermoid carcinoma cells	Journal of Agricultural and Food Chemistry	2005, Nov	The findings suggest that HMDB creates an oxidative cellular environment that induces DNA damage and GADD153 gene activation, which in turn helps trigger apoptosis in A431 cells.	第一作者
301	Induction of apoptosis by luteolin through cleavage of Bcl-2 family in human leukemia HL-60 cells	European Journal of Pharmacology	2005, Feb	In our study, luteolin has shown its apoptosis-inducing potent in HL-60 cells with its 76.5% apoptotic ratio of 100 muM treatment. When HL-60 cells were treated with 60 muM of luteolin, DNA ladders were visible at 6 h and increased from 6-12 h after treatment.	通訊作者
302	Acacetin induces apoptosis in human gastric carcinoma cells accompanied by activation of caspase cascades and production of reactive oxygen species	Journal of Agricultural and Food Chemistry	2005, Feb	The results showed that acacetin-induced apoptosis was accompanied by up-regulation of Bax and p53, down-regulation of Bcl-2, and cleavage of Bad. Taken together, these results suggest that ROS production and a certain intimate link might exist between receptor- and mitochondria-mediated death signalings that committed to acacetin-induced apoptosis in AGS cells.	第一作者
303	Induction of apoptosis by shikonin through coordinative modulation of the Bcl-2 family, p27,	Journal of Agricultural and	2004, Oct	We suggested that shikonin-induced apoptosis is triggered by the release of cytochrome c into cytosol,	通訊作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	and p53, release of cytochrome c, and sequential activation of caspases in human colorectal carcinoma cells	Food Chemistry		procaspase-9 processing, activation of caspase-3, degradation of PARP, and DNA fragmentation caused by the caspase-activated deoxyribonuclease through the digestion of DFF-45. The induction of apoptosis by shikonin may provide a pivotal mechanism for its cancer chemopreventive action.	
304	Bcl-2 overexpression inhibits tetrachlorohydroquinone-induced apoptosis in NIH3T3 cells: A possible mechanism for tumor promotion	Molecular Carcinogenesis	2004, May	Our results suggest TCHQ-induced tumor promotion may be through a mechanism of upregulation of Bcl-2 protein and subsequent apoptosis inhibition.	共同作者
305	Induction of apoptosis by hydroxydibenzoylmethane through coordinative modulation of cyclin D3, Bcl-XL, and Bax, release of cytochrome c, and sequential activation of caspases in human colorectal carcinoma cells	Journal of Agricultural and Food Chemistry	2003, Jul	HDB-induced apoptosis is triggered by the release of cytochrome c into cytosol, procaspase-9 processing, activation of caspase-3 and caspase-2, degradation of PARP, and DNA fragmentation caused by the caspase-activated deoxyribonuclease through the digestion of DFF-45.	第一作者
306	Chemical studies on antioxidant mechanism of garcinol: analysis of radical reaction products of garcinol with peroxyl radicals and their antitumor activities	Tetrahedron	2002, Dec	This study characterizes the reaction products of garcinol with peroxyl radicals generated by thermolysis of the azo initiator azo-bis-isobutyrylnitrile (AIBN). Structure elucidation of these products can provide insights into specific mechanisms of antioxidant reactions.	共同作者
307	Tangeretin induces cell-cycle G1 arrest through	Carcinogenesis	2002, Oct	The results suggest that tangeretin either exerts its	第一作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
	inhibiting cyclin-dependent kinases 2 and 4 activities as well as elevating Cdk inhibitors p21 and p27 in human colorectal carcinoma cells			growth-inhibitory effects through modulation of the activities of several key G, regulatory proteins, such as Cdk2 and Cdk4, or mediates the increase of Cdk inhibitors p21 and p27.	
308	Lipid peroxidation and cell death mechanisms in pulmonary epithelial cells induced by peroxynitrite and nitric oxide	Archives of Toxicology	2002, Aug	Postmitotic apoptosis was found in A549 cells exposed to NO, whereas ONOO- induced cell death more characteristic of necrosis than apoptosis. Apoptosis that occurred in cells may be related to the dysfunction of mitochondria, the release of cytochrome c into cytosol, and the activation of caspase-9.	共同作者
309	Chemical studies on antioxidant mechanism of garcinol: analysis of radical reaction products of garcinol and their antitumor activities	Tetrahedron	2001, Dec	This study characterizes the reaction products of garcinol with a stable radical, 2,2-diphenyl-1-picrylhydrazyl (DPPH). Structural elucidation of these products can provide insights into specific mechanisms of antioxidant reactions. Two major reaction products, GDPPH-1 (2) and GDPPH-2 (3), were isolated and identified for the first time.	共同作者
310	Phase I clinical trial of curcumin, a chemopreventive agent, in patients with high-risk or pre-malignant lesions	Anticancer research	2001, Jul	This study demonstrated that curcumin is not toxic to humans up to 8000 mg/day when taken by mouth for 3 months. Our results also suggest a biologic effect of curcumin in the chemoprevention of cancer.	共同作者

編號	名稱	出版刊物	出版時間	內容摘要	備註
311	Induction of apoptosis by garcinol and curcumin through cytochrome c release and activation of caspases in human leukemia HL-60 cells	Journal of Agricultural and Food Chemistry	2001, Mar	The induction of apoptosis by garcinol may provide a pivotal mechanism for its cancer chemopreventive action.	第一作者
312	Induction of apoptosis by the oolong tea polyphenol theasinensin A through cytochrome c release and activation of caspase-9 and caspase-3 in human U937 cells	Journal of Agricultural and Food Chemistry	2000, Dec	The results suggest that induction of apoptosis by theasinensin A may provide a pivotal mechanism for their cancer chemopreventive	第一作者
313	Comparative studies on the suppression of nitric oxide synthase by curcumin and its hydrogenated metabolites through down-regulation of IκB kinase and NFκB activation in macrophages	Biochemical Pharmacology	2000, Dec	These results suggest that curcumin may exert its anti-inflammatory and anti-carcinogenic properties by suppressing the activation of NF kappaB through inhibition of IKK activity.	第一作者
314	Suppression of lipopolysaccharide-induced nuclear factor-κB activity by theaflavin-3,3′-digallate from black tea and other polyphenols through down-regulation of IκB kinase activity in macrophages	Biochemical Pharmacology	2000, May	These results suggest that TF-3 may exert its anti-inflammatory and cancer chemopreventive actions by suppressing the activation of NF kappa B through inhibition of IKK activity.	第一作者
315	Induction of apoptosis by penta-O-galloyl-β-D-glucose through activation of caspase-3 in human leukemia HL-60 cells	European Journal of Pharmacology	1999, Sep	The induction of apoptosis by penta-O-galloyl-beta-D-glucose may provide a pivotal mechanism for its cancer chemopreventive action.	第一作者
316	Biotransformation of curcumin through reduction and glucuronidation in mice	Drug Metabolism and Disposition	1999, Apr	Our results suggest that curcumin-glucuronoside, dihydrocurcumin-glucuronoside, THC-glucuronoside, and THC are major metabolites of curcumin in vivo.	第一作者

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317	Mechanisms of cell death induced by nitric oxide and peroxynitrite in Calu-1 cells	Environmental Toxicology and Pharmacology	1998, Aug	In this study, we investigate the cytotoxicity, cell death mechanisms and gene expression of NO and ONOO- in human lung epithelial cells show NO induced apoptosis and DNA genomic fragmentation. Whereas, ONOO(-)induced cell death more characteristic of necrosis than apoptosis.	共同作者
318	Stability of curcumin in buffer solutions and characterization of its degradation products	Journal of Pharmaceutical and Biomedical Analysis	1997, Aug	Trans-6-(4'-hydroxy-3'methoxyphenyl) -2.3-dioxo-5-hexenal was predicted as major degradation product and vanillin, ferulic acid, feruloyl methane were identified as minor degradation products. The amount of vanillin increased with incubation time.	共同作者
專書					
1	Brain health: cognition, depression, and neurodegenerative diseases	Food Chemistry, Function and Analysis	2023	The pathologies, the underlying mechanisms, and the strategic approaches taken for brain health with intervention of phytochemicals are discussed in this chapter.	
2	Black tea in chemoprevention of cancer	Tea as a Food Ingredient	2022	This chapter aims to discuss and critically review the black-tea phytochemical constituents and their oncostatic roles in different steps of cancer development, and to discuss the related cellular signaling pathways during carcinogenesis.	
3	Effect of flavonoids from fruits and vegetables in	Cancer	2013	In this chapter, we summarize recent knowledge and	

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	the prevention and treatment of cancer	Chemoprevention and Treatment by Diet Therapy		the underlying mechanism on chemopreventive and chemotherapeutic activities of dietary flavonoids that may offer effective approach for the control of cancer incidence.	
4	Secoiridoid glucosides from 74raxinus excelsior with effects on LPS-induced nitrite production in raw 264.7 macrophage and human cancer cell lines	African Natural Plant Products Volume II: Discoveries and Challenges in Chemistry, Health and Nutrition	2013	Nine secoiridoid glucosides, excelside A (1) and excelside B (2), nuzhenide (3), GI3 (4), GI5 (5), ligstroside (6), oleoside-11-methyl ester (7), oleoside dimethyl ester (8), 1‴-O-β-D-glucosylformoside (9), and one phenylethanoid, salidroside (10), were isolated from the seeds of Fraxinus excelsior.	
5	Peracetylated epigallocatechin-3-gallate, as an epigallocatechin-3-gallate prodrug, potently prevents human breast cancer cell metastasis by targeting the matrix metalloproteinases activity and fatty acid synthase expression	Nutrition, Functional and Sensory Properties of Foods	2013	AcEGCG exerted a more inhibitory effect on the intracellular lipid accumulation than that of EGCG. Taken together, our results suggest for the first time that molecular targets of MMPs and FAS by AcEGCG may be a potential strategy for breast cancer therapy.	
6	Inhibitory effects 5-demethyltangeretin and 5-acetyloxy-6,7,8,4’-tetramethoxyflavone on human colon cancer cells	Nutrition, Functional and Sensory Properties of Foods	2013	Coverage in the nutritional and functional properties of food section is wide range and includes reviews of the hot topics such as the metabolism of dietary phenolic acids, the use of emulsions for the oral delivery of bioactive phytochemicals and the impact	

編號	名稱	出版刊物	出版時間	內容摘要	備註
				on epigenetics in cancer prevention.	
7	Comparison of anti-proliferative and anti-inflammatory effects of nobiletin and its urinary metabolite, 3′,4′-didemethylnobiletin	Nutrition, Functional and Sensory Properties of Foods	2013	Coverage in the nutritional and functional properties of food section is wide range and includes reviews of the hot topics such as the metabolism of dietary phenolic acids, the use of emulsions for the oral delivery of bioactive phytochemicals and the impact on epigenetics in cancer prevention.	
8	The molecular targets of garcinol confer antitumor effects	Nutrition, Functional and Sensory Properties of Foods	2013	Coverage in the nutritional and functional properties of food section is wide range and includes reviews of the hot topics such as the metabolism of dietary phenolic acids, the use of emulsions for the oral delivery of bioactive phytochemicals and the impact on epigenetics in cancer prevention.	
9	Impact on epigenetics in cancer chemprevention by natural dietary compounds	Nutrition, Functional and Sensory Properties of Foods	2013	Coverage in the nutritional and functional properties of food section is wide range and includes reviews of the hot topics such as the metabolism of dietary phenolic acids, the use of emulsions for the oral delivery of bioactive phytochemicals and the impact on epigenetics in cancer prevention.	
10	Tea extracts confer its antiproliferating effects through inhibition of nicotine- and estrogen-induced 9-nicotinic acetylcholine receptor upregulation in human breast cancer cells	Nutrition, Functional and Sensory Properties of	2013	Coverage in the nutritional and functional properties of food section is wide range and includes reviews of the hot topics such as the metabolism of dietary phenolic acids, the use of emulsions for the oral	

編號	名稱	出版刊物	出版時間	內容摘要	備註
		Foods		delivery of bioactive phytochemicals and the impact on epigenetics in cancer prevention.	
11	Garcinol from garcinia indica: chemistry and health beneficial effects	Tropical and Subtropical Fruits: Flavors, Color, and Health Benefits	2011	The present review summarizes the current knowledge on the various biological activities of garcinol, focusing on its anti-tumorigenic effects, as well as the chemistry aspects of this potential chemopreventive agent.	
12	Comparative studies on biological activity of inotilone and methylinotilone from inonotus species	Recent Advances in Food and Flavor Chemistry: Food Flavor and Encapsulation, Health Benefits, Analytical Methods, and Molecular Biology of Functional Foods	2010	The aim of this study is to compare the biological activities of inotilone and its derivative methylinotilone from Inonotus species, in order to evaluate the impact of methylation on their pharmacological effects.	
13	The cancer preventive potential of tea polyphenol egcg in HER2-positive breast cancer	Functional Foods. ACS Books	2008	The findings suggest that blockade of HER2/HER3 co-receptor formation by EGCG may be one of the possible cancer preventive mechanisms of EGCG in HER2-positive breast cancer.	

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14	Induction of apoptosis by acetylated black tea polyphenol through reactive oxygen species production, cytochrome c release, and caspases activation in human leukemia hl-60 cells	ACS Books	2008	The growth inhibitory effects of black tea polyphenol, theaflavin (TF-1) and its peracetylated derivative (ATF-1) in human leukemia cancer cells were examined. TF-1 and ATF-1 displayed strong growth inhibitory effects against human leukemia HL-60 cells.	
專利發明					
1	Use of s-allylcysteine for the preparation of composition for delaying aging and preventing senile disease	I823733	2024	本發明係提供一種用於製備延緩老化及預防老年疾病之組合物的 S-烯丙基半胱氨酸之用途，該 S-烯丙基半胱氨酸在，可減少體脂肪蓄積、延緩肌肉量流失之潛力，減緩其因老化而造成的焦慮行為。而從血清生化值方面，顯示 S-烯丙基半胱氨酸後能降低總膽固醇，並具有肝臟、腎臟保護效益，使生理狀態較趨近於年輕個體。並且 S-烯丙基半胱氨酸後能預防 DNA 損傷，亦可動態調節粒線體以降低氧化壓力，達到延緩老化之效能。.	台灣專利
2	營養組成物及其製造方法	I820438	2023	本發明提供一種營養組成物及其製造方法，該營養組成物包括黑豆及薏仁共同發酵之一發酵物及一藻類。該營養組成物能透過降低發炎反應和氧化壓力進而達到延緩老化之功效，同時也能調節腸道菌相至較年輕之組成，並使健康相關數值明顯改善，而有改善老化相關指標之作用。.	台灣專利
3	Trans-2-nonadecyl-4-hydroxymethyl-1,3-dioxolane	JP6326086B2	2018	本發明所揭化合物製備方法，其係先將醇類與氯鉻	日本專利

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	and method for producing thereof			酸吡啶鹽進行氧化反應，再將所得產物進行縮醛反應，而後純化出反式-2-19 烷基-4-羥甲基-1,3-二氧戊環化合物，據此，能夠有效提昇該化合物之產率，並且能夠降低生產成本。.	
4	The uses of hydroxyl polymethoxylflavones and/or derivative thereof	CN104415135B	2018	本發明所揭羥基多甲氧基黃酮類化合物之用途係有關於抑制脂肪生成、抑制脂肪分化及降低脂肪累積，因而羥基多甲氧基黃酮類化合物係得以一預定劑量而作為一抑制肥胖或治療脂肪肝之醫藥組合物內之有效成份，亦或得作為一食品之組成份，其中，該羥基多甲氧基黃酮類化合物係來自於一柑橘屬植物之果皮。.	中國專利
5	Herbal natural complex for improving sperm function and manufacturing method thereof	TWI577375B	2017	一種具增強男性精子功能之天然草本複合式組成物的製備方法，其包含下列步驟，首先，將一類黃酮溶於去離子水中，以得到一類黃酮混合液。接著，將一薑黃素溶於一酒精中，以得到一薑黃素混合液。然後，將一白藜蘆醇溶於去離子水中，以得到一白藜蘆醇混合液。接著，將一綠茶多酚溶於去離子水中，以得到一綠茶多酚混合液。最後，利用一震盪器將該類黃酮混合液、該薑黃素混合液、該白藜蘆醇混合液，及該綠茶多酚混合液進行震盪混合以得到一天然草本複合式組成物。.	台灣專利
6	Pharmaceutical composition with liver-protecting effect and preparation method thereof	CN103655929B	2017	本发明涉及一种具有护肝作用药物组合物，该组合物包括如下重量份物质：红茶多酚 6～15 份；水飞	中國專利

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				蓟提取物 2～6 份。本发明水飞蓟素和红茶多酚分别以不同的药效物质从不同的作用靶点和途径有非常明确的防治化学性肝损伤的作用 ,而且相辅相成 ,可有效的预防和治疗化学性肝损伤 。两药合用 ,共同强肝益肝、疏肝解毒和免疫调节之功效，经过试验证明本发明提供的药物组合物可以防治肝损伤。.	
7	Curcumin herbal extract and its usage of improving sperm function	TW201636041A	2016	一種薑黃素草本薑科植物萃取物及用於增進雄性精子功能之用途，該薑黃素草本植物萃取物是由以下方法所製備，首先，備製一薑黃素粉末。接著，將該薑黃素粉末溶於一酒精中。然後，加入適量之去離子水中於溶有該薑黃素粉末之酒精中，以得到一混合液。最後，利用一震盪器將該混合液進行震盪混合、離心後取其上清液，以得到該薑黃素草本植物萃取物。.	台灣專利
8	Trans-2-nonadecyl-4-hydroxymethyl-1,3-dioxolane and method for producing thereof	TWI553000B	2016	本發明所揭化合物製備方法，其係先將醇類與氯鉻酸吡啶鹽進行氧化反應，再將所得產物進行縮醛反應，而後純化出反式-2-19 烷基-4-羥甲基-1,3-二氧戊環化合物，據此，能夠有效提昇該化合物之產率，並且能夠降低生產成本。.	台灣專利
9	The uses of hydroxyl polymethoxylflavones and/or derivative thereof	TWI559919B	2016	本發明所揭羥基多甲氧基黃酮類化合物之用途係有關於抑制脂肪生成、抑制脂肪分化及降低脂肪累積，因而羥基多甲氧基黃酮類化合物係得以一預定	台灣專利

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				劑量而作為一抑制肥胖或治療脂肪肝之醫藥組合物內之有效成份，亦或得作為一食品之組成份，其中，該羥基多甲氧基黃酮類化合物係來自於一柑橘屬植物之果皮。.	
10	Use of tea polyphenols for treating and/or preventing nicotine or nicotine-derived compounds or estrogen induced breast cancer	TWI481398B	2015	本發明關於一種治療及/或預防尼古丁或尼古丁衍生化合物或雌激素誘發之乳癌，其包含投予有效量之茶多酚至一個體。本發明利用兒茶酚(例如表沒食子兒茶酚沒食子酸(epigallocatechin gallate,“EGCG”)、表沒食子兒茶酚(epigallocatechin,“EGC”)、表兒茶酚沒食子酸(epicatechin gallate,“ECG”)、表兒茶酚(epicatechin,“EC”)、沒食子兒茶酚沒食子酸(gallocatechin gallate,“GCG”)、沒食子兒茶酚(gallocatechin,“GC”)、兒茶酚沒食子酸(catechin gallate,“CG”)及兒茶酚(catechin,“C”)治療及/或預防尼古丁或尼古丁衍生化合物或雌激素誘發之乳癌。.	台灣專利
11	蜆之純化流程與純化物質	I370747	2012	本發明係關於一種蜆之純化流程與純化物質，主要係以蜆肉浸泡酒精進行萃取，取得初步萃取物；而後在常溫下以乙酸乙酯(Ethyl Acetate)萃取；且以管柱進行色層分析(chromatography)；而後在正己烷(n-Hexane)與乙酸乙酯(Ethyl Acetate)進行沖提，並輔以連續步驟，取得有效純化物質(TNHD)，藉由	台灣專利

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				該有效純化物質(TNHD)可以延緩肝纖維化的進行，並改善肝纖維化過程中所導致的損傷，因此令本發明所獲取之有效純化物質(TNHD)可以作為抗纖維化保健食品之原料。.	

說明：

一、請依期刊及會議論文、圖書著作、專刊及發明等順序分類填寫。

二、請以 A4 格式紙張填寫(建議 14 級字)，不敷使用時，請自行延伸接續。本表資料除紙本 1 份外，並請繳交 WORD 電子檔。

三、本表正本彙整後，請連同校長候選人基本資料表、學（藝）術獎勵與榮譽事蹟表、治校理念及其摘要暨相關承諾書同時繳交。

國立高雄科技大學第三任校長候選人
學(藝)術獎勵與榮譽事蹟目錄

編號	授獎機關(構)	獎勵 與榮譽名稱	授獎年月	內容 摘要	備註
1	INTERNATIONAL ACADEMY OF FOOD SCIENCE AND TECHNOLOGY	FELLOW	2024		
2	INTERNATIONAL SOCIETY FOR NUTRACEUTICALS AND FUNCTIONAL FOODS	FELLOW	2023		
3	台灣農化學會	學術榮譽獎	2020		
4	中華民國癌症醫學會	癌症基礎醫學研究傑出獎	2020		
5	國家科學及技術委員會	科技部傑出研究獎	2018		
6	台灣食品科學技術學會	傑出研究獎	2018		
7	CLARIVATE ANALYTICS	高被引學者	2018		
8	AGRICULTURAL & FOOD CHEMISTRY DIVISION, AMERICAN CHEMISTRY SOCIETY	FELLOW	2014		
9	台灣保健食品學會	傑出研究及科技發展獎	2013		
10	國立高雄海洋科技大學	101 學年度卓越研究獎	2012		

編號	授獎機關(構)	獎勵 與榮譽名稱	授獎年月	內容 摘要	備註
11	國科會	傑出研究獎	2011		
12	國立高雄海洋科技大學	99 學年度產學合作績優獎	2010		
13	國立高雄海洋科技大學	98 學年度卓越研究獎	2009		
14	國際青年商會中華民國總會	第 46 屆台灣十大傑出青年	2008		
15	國立高雄海洋科技大學	96 年度傑出教學獎	2008		
16	國科會	吳大猷先生紀念獎	2007		

說明：

一、請以 A4 格式紙張填寫(建議 14 級字)，不敷使用時，請自行延伸接續。本表資料除紙本 1 份外，並請繳交 WORD 電子檔。。

二、如有證明文件，請附影印本(如為外國文件，請附中譯本並公證）。

三、本表正本彙整後，請連同校長候選人基本資料表、著作、作品及發明目錄、治校理念及其摘要暨相關承諾書同時繳交。

國立高雄科技大學第三任校長候選人治校理念

摘要

跨域創新、永續前行：打造世界級高科大

潘敏雄

一、 治校願景與理念： 大學校長的責任在提升教研、改善環境、凝聚向心、興利向上。高科大是高雄S廊帶產業鏈的關鍵人才庫與技術創新基地。高科大的願景是延續並推展原三校特色，深化整合跨院系交流，培育更多具國際視野與實作能力的新世代科技人才，成為連結產業與世界的關鍵角色，最終目標是打造世界級的高科大。

二、 校務發展與策略：為達成願景，建構高效能智慧永續校園，落實學院自主授權與管考；檢視法規並設法務單位；推動新館舍興建，解決跨校區不便，並建設具國際水準的大型國際會議中心；精進USR及SDGs，建構智慧永續校園；優化校園網路、網站介面，整合校區交通規劃。

- **頂尖高科大 – 鏈結世界**: 積極參與國際學術組織；推動教師合聘/交換、雙聯學位；獎勵跨國團隊聚焦全球關鍵議題；延攬國際知名學者駐校；發展特色研究中心，推動成立跨國研發聯盟；優化國際化校園建設與服務。
- **從高雄出發，走向世界**: 利用學術成果與產學量能，聚焦智慧科技，應對競爭挑戰；利用海洋/港口/實習船優勢，發展「海陸合一」技術。打造AI研發

旗艦，建構「NVIDIA 中樞」智慧大學；深化海洋科技特色，整合相關系所師資，打造「海上科技系統整合平台」； 設立「策略決策推進辦公室」加速決策；配合高雄 S 廊道，推動「北智造、中創新、南海洋」空間治理，深化市校鏈結。

- **打造全方位人才發展與培育環境**: 設「創始經費」、「緊急紓困經費」、「前瞻研究攻頂計畫」、「長青計畫」、「中生代學術獎」、「年輕學者講座」等，支持不同世代教師的研究與發展；設立「英文投稿支援平台」；鼓勵多元研究表現與在地服務；策略性規劃新聘教師專長；推動院學士與校學士學位制；設置學士論文獎/研究生校長獎；靈活調整碩士班名額；強化弱勢學生照顧，利用 AI 輔助學習；規劃結合課程與社區服務的實作機會；建構開放、流動、國際競爭力的教育生態。
- **健全財務體質，強化募款**: 積極推動募款制度，建立院系分潤；擴大向各界爭取捐款及政府計畫與補助；活化校園空間與資產；設計具教育及公共價值的捐贈專案。

三、 結語 高科大目前正處於轉型與躍升的關鍵時刻，需要具備跨體系經驗、溝通協調能力與行動力的領導者。敏雄具備技職與研究型體系經驗，能整合各校區優勢，提升行政效率。我的行政信念是「行公義、好憐憫、存謙卑的心」；若有幸當選校長，將領導高科大建構一所「學習無礙、環境有愛、與社會共享、與國

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際共榮、與地球永續」的未來大學。

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一、治校理念（一萬字以內）及其摘要（一千字以內）（校內公告使用）(建議 14 級字)；請以A4 格式紙張填寫，不敷使用時，請自行延伸接續，字數依 WORD 軟體/校閱/字數統計為準。本表資料除紙本 1 份外，並請繳交 WORD 電子檔。

二、本表應與校長候選人基本資料表、著作、作品及發明目錄及學（藝）術獎勵與榮譽事蹟表及相關承諾書同時繳交。