

Yen-Chou Chen

List of Publications by Year in descending order

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5,862
citations

81900

39
h-index

71685

76
g-index

99
all docs

99
docs citations

99
times ranked

7082
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of reactive oxygen species and caspase 3 activation in arsenite-induced apoptosis. <i>Journal of Cellular Physiology</i> , 1998, 177, 324-333.	4.1	420
2	Oroxilin A inhibition of lipopolysaccharide-induced iNOS and COX-2 gene expression via suppression of nuclear factor- κ B activation. <i>Biochemical Pharmacology</i> , 2000, 59, 1445-1457.	4.4	318
3	Wogonin, fisetin, and baicalin inhibition of inducible nitric oxide synthase and cyclooxygenase-2 gene expressions induced by nitric oxide synthase inhibitors and lipopolysaccharide. Abbreviations: NO, nitric oxide; iNOS, inducible nitric oxide synthase; COX-2, cyclooxygenase-2; PGE ₂ , prostaglandin E ₂ ; MTT, 3-[4,5-dimethylthiazol-2-yl]-2,5-diphenyltetrazolium bromide; LPS, lipopolysaccharide; NLA, N-nitro-L-arginine; and L-NAME, N-nitro-L-arginine methyl ester. <i>Biochemical Pharmacology</i> , 2001, 61, 1417-1427.	4.4	278
4	Inhibition of nitric oxide synthase inhibitors and lipopolysaccharide induced inducible NOS and cyclooxygenase-2 gene expressions by rutin, quercetin, and quercetin pentaacetate in RAW 264.7 macrophages. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 537-548.	2.6	213
5	Quercetin, but not rutin and quercitrin, prevention of H ₂ O ₂ -induced apoptosis via anti-oxidant activity and heme oxygenase 1 gene expression in macrophages. <i>Biochemical Pharmacology</i> , 2005, 69, 1839-1851.	4.4	213
6	Wogonin and fisetin induce apoptosis in human promyeloleukemic cells, accompanied by a decrease of reactive oxygen species, and activation of caspase 3 and Ca ²⁺ -dependent endonuclease. <i>Biochemical Pharmacology</i> , 2002, 63, 225-236.	4.4	210
7	Emodin induces apoptosis in human promyeloleukemic HL-60 cells accompanied by activation of caspase 3 cascade but independent of reactive oxygen species production. <i>Biochemical Pharmacology</i> , 2002, 64, 1713-1724.	4.4	207
8	Quercetin inhibition of tumor invasion via suppressing PKC \hat{A} /ERK/AP-1-dependent matrix metalloproteinase-9 activation in breast carcinoma cells. <i>Carcinogenesis</i> , 2008, 29, 1807-1815.	2.8	200
9	In vitro and in vivo inhibitory activities of rutin, wogonin, and quercetin on lipopolysaccharide-induced nitric oxide and prostaglandin E ₂ production. <i>European Journal of Pharmacology</i> , 2002, 446, 187-194.	3.5	198
10	Inhibition of lipopolysaccharide-induced nitric oxide production by flavonoids in RAW264.7 macrophages involves heme oxygenase-1. <i>Biochemical Pharmacology</i> , 2003, 66, 1821-1832.	4.4	190
11	Quercetin inhibition of ROS-dependent and -independent apoptosis in rat glioma C6 cells. <i>Toxicology</i> , 2006, 223, 113-126.	4.2	163
12	Wogonin and fisetin induction of apoptosis through activation of caspase 3 cascade and alternative expression of p21 protein in hepatocellular carcinoma cells SK-HEP-1. <i>Archives of Toxicology</i> , 2002, 76, 351-359.	4.2	160
13	Suppression of extracellular signals and cell proliferation by the black tea polyphenol, theaflavin-3,3'-digallate. <i>Carcinogenesis</i> , 1999, 20, 733-736.	2.8	149
14	Suppression of protein kinase C and nuclear oncogene expression as possible molecular mechanisms of cancer chemoprevention by apigenin and curcumin. <i>Journal of Cellular Biochemistry</i> , 1997, 67, 39-48.	2.6	138
15	Differential apoptosis-inducing effect of quercetin and its glycosides in human promyeloleukemic HL-60 cells by alternative activation of the caspase 3 cascade. <i>Journal of Cellular Biochemistry</i> , 2003, 89, 1044-1055.	2.6	123
16	Heme oxygenase-1 inhibits breast cancer invasion via suppressing the expression of matrix metalloproteinase-9. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1195-1206.	4.1	113
17	Structurally related antitumor effects of flavanones in vitro and in vivo: involvement of caspase 3 activation, p21 gene expression, and reactive oxygen species production. <i>Toxicology and Applied Pharmacology</i> , 2004, 197, 84-95.	2.8	107
18	Mitochondrial-dependent, reactive oxygen species-independent apoptosis by myricetin: roles of protein kinase C, cytochrome c, and caspase cascade. <i>Biochemical Pharmacology</i> , 2005, 69, 913-927.	4.4	107

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19	Anti-inflammatory effect of heme oxygenase 1: Glycosylation and nitric oxide inhibition in macrophages. <i>Journal of Cellular Physiology</i> , 2005, 202, 579-590.	4.1	95
20	Contribution of reactive oxygen species to migration/invasion of human glioblastoma cells U87 via ERK-dependent COX-2/PGE2 activation. <i>Neurobiology of Disease</i> , 2010, 37, 118-129.	4.4	94
21	Rutinoid at C7 attenuates the apoptosis-inducing activity of flavonoids. <i>Biochemical Pharmacology</i> , 2003, 66, 1139-1150.	4.4	92
22	Myricetin inhibits matrix metalloproteinase 2 protein expression and enzyme activity in colorectal carcinoma cells. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 281-90.	4.1	90
23	12 <i>α</i> -tetradecanoylphorbol-13-acetate-induced invasion/migration of glioblastoma cells through activating PKC β /ERK/NF κ B-dependent MMP-9 expression. <i>Journal of Cellular Physiology</i> , 2010, 225, 472-481.	4.1	86
24	Gossypol reduction of tumor growth through ROS-dependent mitochondria pathway in human colorectal carcinoma cells. <i>International Journal of Cancer</i> , 2007, 121, 1670-1679.	5.1	85
25	Baicalein inhibition of hydrogen peroxide-induced apoptosis via ROS-dependent heme oxygenase 1 gene expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1073-1086.	4.1	83
26	Baicalein inhibition of oxidative-stress-induced apoptosis via modulation of ERKs activation and induction of HO-1 gene expression in rat glioma cells C6. <i>Toxicology and Applied Pharmacology</i> , 2006, 216, 263-273.	2.8	78
27	Prostaglandin D2 and J2 induce apoptosis in human leukemia cells via activation of the caspase 3 cascade and production of reactive oxygen species. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1743, 291-304.	4.1	76
28	Induction of HSP70 gene expression by modulation of Ca ²⁺ ion and cellular p53 protein by curcumin in colorectal carcinoma cells. <i>Molecular Carcinogenesis</i> , 1996, 17, 224-234.	2.7	72
29	Propionibacterium acnes-induced iNOS and COX-2 protein expression via ROS-dependent NF κ B and AP-1 activation in macrophages. <i>Journal of Dermatological Science</i> , 2013, 69, 122-131.	1.9	70
30	Activation of JNK Contributes to Evodiamine-Induced Apoptosis and G2/M Arrest in Human Colorectal Carcinoma Cells: A Structure-Activity Study of Evodiamine. <i>PLoS ONE</i> , 2014, 9, e99729.	2.5	66
31	Inhibition of TPA-Induced Protein Kinase C and Transcription Activator Protein-1 Binding Activities by Theaflavin-3,3'-digallate from Black Tea in NIH3T3 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 1416-1421.	5.2	59
32	The induction of heme oxygenase-1 suppresses heat shock protein 90 and the proliferation of human breast cancer cells through its byproduct carbon monoxide. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 55-62.	2.8	56
33	Flavonoid structure-related inhibition on TPA-induced tumor promotion through suppression of extracellular signal-regulated protein kinases: Involvement of prostaglandin E2 in anti-promotive process. <i>Journal of Cellular Physiology</i> , 2002, 193, 93-102.	4.1	55
34	Evodiamine from <i>Evodia rutaecarpa</i> induces apoptosis via activation of JNK and PERK in human ovarian cancer cells. <i>Phytomedicine</i> , 2016, 23, 68-78.	5.3	55
35	Antroquinonol from <i>Antrodia Camphorata</i> suppresses breast tumor migration/invasion through inhibiting ERK-AP-1- and AKT-NF κ B-dependent MMP-9 and epithelial-mesenchymal transition expressions. <i>Food and Chemical Toxicology</i> , 2015, 78, 33-41.	3.6	51
36	Involvement of Heat-Shock Protein 70 and P53 Proteins in Attenuation of UVC-Induced Apoptosis by Thermal Stress in Hepatocellular Carcinoma Cells. <i>Photochemistry and Photobiology</i> , 1999, 70, 78-86.	2.5	42

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37	Mechanism of Heme Oxygenase-1 Gene Induction by Quercetin in Rat Aortic Smooth Muscle Cells. <i>Pharmacology</i> , 2004, 71, 107-112.	2.2	41
38	Wogonin but not Nor-wogonin inhibits lipopolysaccharide and lipoteichoic acid-induced iNOS gene expression and NO production in macrophages. <i>International Immunopharmacology</i> , 2007, 7, 1054-1063.	3.8	41
39	Alternative activation of extracellular signal-regulated protein kinases in curcumin and arsenite-induced HSP70 gene expression in human colorectal carcinoma cells. <i>European Journal of Cell Biology</i> , 2001, 80, 213-221.	3.6	39
40	IGFâ€ plus E2 induces proliferation via activation of ROSâ€dependent ERKs and JNKs in human breast carcinoma cells. <i>Journal of Cellular Physiology</i> , 2007, 212, 666-674.	4.1	39
41	Imatinib mesylate induction of ROS-dependent apoptosis in melanoma B16F0 cells. <i>Journal of Dermatological Science</i> , 2011, 62, 183-191.	1.9	38
42	Nitric oxide and prostaglandin E2 participate in lipopolysaccharide/interferon-?induced heme oxygenase 1 and prevent RAW264.7 macrophages from UV-irradiation-induced cell death. <i>Journal of Cellular Biochemistry</i> , 2002, 86, 331-339.	2.6	37
43	Evodiamine Prevents Glioma Growth, Induces Glioblastoma Cell Apoptosis and Cell Cycle Arrest through JNK Activation. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 879-899.	3.8	36
44	3-OH flavone inhibition of epidermal growth factor-induced proliferaton through blocking prostaglandin E2 production. <i>International Journal of Cancer</i> , 2004, 108, 502-510.	5.1	33
45	Differential apoptotic effect of wogonin and norâ€wogonin via stimulation of ROS production in human leukemia cells. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 1394-1404.	2.6	33
46	IMMUNOMODULATORY EFFECTS OF FAR-INFRARED RAY IRRADIATION VIA INCREASING CALMODULIN AND NITRIC OXIDE PRODUCTION IN RAW 264.7 MACROPHAGES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2009, 21, 317-323.	0.6	31
47	The role of COXâ€2/PGE₂ in gossypolâ€induced apoptosis of colorectal carcinoma cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 3128-3137.	4.1	31
48	<i>N</i>-acetylcysteine enhances fisetinâ€induced cytotoxicity via induction of ROSâ€dependent apoptosis in human colonic cancer cells. <i>Molecular Carcinogenesis</i> , 2014, 53, E119-29.	2.7	31
49	12-o-Tetradecanoylphorbol 13-acetate prevents baicalein-induced apoptosis via activation of protein kinase C and JNKs in human leukemia cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1999-2011.	4.9	30
50	Reactive oxygen species-dependent HSP90 protein cleavage participates in arsenical As+3- and MMA+3-induced apoptosis through inhibition of telomerase activity via JNK activation. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 239-251.	2.8	28
51	Quercetin enhancement of arsenicâ€induced apoptosis via stimulating ROSâ€dependent p53 protein ubiquitination in human HaCaT keratinocytes. <i>Experimental Dermatology</i> , 2012, 21, 370-375.	2.9	27
52	Hypoxia Stimulates the Epithelialâ€toâ€Mesenchymal Transition in Lung Cancer Cells Through Accumulation of Nuclear Î²-Catenin. <i>Anticancer Research</i> , 2018, 38, 6299-6308.	1.1	26
53	Reciprocal activation of macrophages and breast carcinoma cells by nitric oxide and colony-stimulating factor-1. <i>Carcinogenesis</i> , 2010, 31, 2039-2048.	2.8	25
54	Hispolon inhibition of inflammatory apoptosis through reduction of iNOS/NO production via HO-1 induction in macrophages. <i>Journal of Ethnopharmacology</i> , 2014, 156, 61-72.	4.1	25

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55	Reactive Oxygen Species-Dependent Nitric Oxide Production in Reciprocal Interactions of Glioma and Microglial Cells. <i>Journal of Cellular Physiology</i> , 2014, 229, 2015-2026.	4.1	24
56	miR-19a, -19b, and -26b Mediate CTGF Expression and Pulmonary Fibroblast Differentiation. <i>Journal of Cellular Physiology</i> , 2016, 231, 2236-2248.	4.1	24
57	Protein Kinase RNA-Like Endoplasmic Reticulum Kinase-Mediated Bcl-2 Protein Phosphorylation Contributes to Evodiamine-Induced Apoptosis of Human Renal Cell Carcinoma Cells. <i>PLoS ONE</i> , 2016, 11, e0160484.	2.5	22
58	Cytotoxic effects of metal protoporphyrins in glioblastoma cells: Roles of albumin, reactive oxygen species, and heme oxygenase-1. <i>Toxicology Letters</i> , 2008, 177, 97-107.	0.8	21
59	Pro-apoptotic effect of haem oxygenase-1 in human colorectal carcinoma cells via endoplasmic reticular stress. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5692-5704.	3.6	21
60	Flavone inhibition of tumor growth via apoptosis in vitro and in vivo. <i>International Journal of Oncology</i> , 2004, 25, 661.	3.3	20
61	Vitamin K3-2,3-epoxide induction of apoptosis with activation of ROS-dependent ERK and JNK protein phosphorylation in human glioma cells. <i>Chemico-Biological Interactions</i> , 2011, 193, 3-11.	4.0	19
62	Inhibition of HSP90-dependent telomerase activity in amyloid β -induced apoptosis of cerebral endothelial cells. <i>Journal of Cellular Physiology</i> , 2011, 226, 2041-2051.	4.1	19
63	HSP90 Inhibitors, Geldanamycin and Radicol, Enhance Fisetin-Induced Cytotoxicity via Induction of Apoptosis in Human Colonic Cancer Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-11.	1.2	19
64	Nilotinib reduced the viability of human ovarian cancer cells via mitochondria-dependent apoptosis, independent of JNK activation. <i>Toxicology in Vitro</i> , 2016, 31, 1-11.	2.4	18
65	Zinc protoporphyrin inhibition of lipopolysaccharide-, lipoteichoic acid-, and peptidoglycan-induced nitric oxide production through stimulating iNOS protein ubiquitination. <i>Toxicology and Applied Pharmacology</i> , 2009, 237, 357-365.	2.8	17
66	Lipopolysaccharide enhancement of 12-o-tetradecanoylphorbol 13-acetate-mediated transformation in rat glioma C6, accompanied by induction of inducible nitric oxide synthase. <i>Toxicology Letters</i> , 2004, 147, 1-13.	0.8	16
67	Elevation of apoptotic potential by anoxia hyperoxia shift in NIH3T3 cells. <i>Molecular and Cellular Biochemistry</i> , 1999, 197, 147-159.	3.1	14
68	Prostaglandins as Negative Regulators Against Lipopolysaccharide, Lipoteichoic Acid, and Peptidoglycan-Induced Inducible Nitric Oxide Synthase/Nitric Oxide Production Through Reactive Oxygen Species-Dependent Heme Oxygenase 1 Expression in Macrophages. <i>Shock</i> , 2012, 38, 549-558.	2.1	14
69	Flavone inhibition of tumor growth via apoptosis in vitro and in vivo. <i>International Journal of Oncology</i> , 2004, 25, 661-70.	3.3	14
70	Nicotine enhancement of lipopolysaccharide/interferon- β -induced cytotoxicity with elevating nitric oxide production. <i>Toxicology Letters</i> , 2004, 153, 191-200.	0.8	13
71	Cobalt protoporphyrin inhibition of lipopolysaccharide or lipoteichoic acid-induced nitric oxide production via blocking c-Jun N-terminal kinase activation and nitric oxide enzyme activity. <i>Chemico-Biological Interactions</i> , 2009, 180, 202-210.	4.0	13
72	<i>Porphyromonas gingivalis</i> Induces Proinflammatory Cytokine Expression Leading to Apoptotic Death through the Oxidative Stress/NF- κ B Pathway in Brain Endothelial Cells. <i>Cells</i> , 2021, 10, 3033.	4.1	13

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73	Roles of reactive oxygen species, mitochondrial membrane potential, and p53 in evodiamine-induced apoptosis and G2/M arrest of human anaplastic thyroid carcinoma cells. <i>Chinese Medicine</i> , 2021, 16, 134.	4.0	13
74	Activation of telomerase and cyclooxygenase-2 in PDGF and FGF inhibition of C ₂ -ceramide-induced apoptosis. <i>Journal of Cellular Physiology</i> , 2009, 218, 405-415.	4.1	10
75	Early decline in serum phospho-CSE1L levels in vemurafenib/sunitinib-treated melanoma and sorafenib/lapatinib-treated colorectal tumor xenografts. <i>Journal of Translational Medicine</i> , 2015, 13, 191.	4.4	10
76	Hispolon Suppresses LPS- or LTA-Induced iNOS/NO Production and Apoptosis in BV-2 Microglial Cells. <i>The American Journal of Chinese Medicine</i> , 2017, 45, 1649-1666.	3.8	10
77	Activation of PERK in ET-1 and thrombin-induced pulmonary fibroblast differentiation: Inhibitory effects of curcumin. <i>Journal of Cellular Physiology</i> , 2019, 234, 15977-15988.	4.1	10
78	Inhibition of inflammatory nitric oxide production and epidermis damages by Saccharomycopsis Ferment Filtrate. <i>Journal of Dermatological Science</i> , 2006, 42, 249-257.	1.9	9
79	Activation of PERK Contributes to Apoptosis and G2/M Arrest by Microtubule Disruptors in Human Colorectal Carcinoma Cells. <i>Cancers</i> , 2020, 12, 97.	3.7	9
80	Genetic and ethnic modulation of cardiovascular toxicity of vascular endothelial growth factor inhibitors. <i>Annals of Medicine</i> , 2018, 50, 46-56.	3.8	7
81	Nilotinib induction of melanogenesis via reactive oxygen species-dependent JNK activation in B16FO mouse melanoma cells. <i>Experimental Dermatology</i> , 2018, 27, 1388-1394.	2.9	7
82	Comparison of the Phytochemical Properties, Antioxidant Activity and Cytotoxic Effect on HepG2 Cells in Mongolian and Taiwanese Rhubarb Species. <i>Molecules</i> , 2021, 26, 1217.	3.8	7
83	Gender modulates the aging effects on different patterns of early repolarization. <i>Heart and Vessels</i> , 2014, 29, 249-255.	1.2	6
84	Cardiovascular outcomes and healthcare costs of liraglutide versus basal insulin for type 2 diabetes patients at high cardiovascular risk. <i>Scientific Reports</i> , 2021, 11, 1430.	3.3	6
85	Activity staining of isocitrate lyase after electrophoresis on either native or sodium dodecyl sulfate polyacrylamide gels. <i>Electrophoresis</i> , 2001, 22, 2653-2655.	2.4	5
86	MPTOB169 and MPTOB002, New Tubulin Inhibitors, Induce Growth Inhibition, G2/M Cell Cycle Arrest, and Apoptosis in Human Colorectal Cancer Cells. <i>Pharmacology</i> , 2018, 102, 262-271.	2.2	5
87	2, 3, 5, 4 TM -tetrahydroxystilbene-2-O-beta-D-glucoside protects against neuronal cell death and traumatic brain injury-induced pathophysiology. <i>Aging</i> , 2022, 14, 2607-2627.	3.1	5
88	Suppression of protein kinase C and nuclear oncogene expression as possible molecular mechanisms of cancer chemoprevention by apigenin and curcumin. <i>Journal of Cellular Biochemistry</i> , 1997, 67, 39-48.	2.6	4
89	Cost-utility analysis of second-line anti-diabetic therapy in patients with type 2 diabetes mellitus inadequately controlled on metformin. <i>Current Medical Research and Opinion</i> , 2020, 36, 1619-1626.	1.9	3
90	Activation of Deoxyribonuclease I by Nicotinamide as a New Strategy to Attenuate Tetracycline-Resistant Biofilms of Cutibacterium acnes. <i>Pharmaceutics</i> , 2021, 13, 819.	4.5	3

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91	Induction of HSP70 gene expression by modulation of Ca ²⁺ ion and cellular p53 protein by curcumin in colorectal carcinoma cells. <i>Molecular Carcinogenesis</i> , 1996, 17, 224-234.	2.7	3
92	Deficiency in Androgen Receptor Aggravates Traumatic Brain Injury-Induced Pathophysiology and Motor Deficits in Mice. <i>Molecules</i> , 2021, 26, 6250.	3.8	3
93	Arachidonic acid enhances TPA-induced differentiation in human leukemia HL-60 cells via reactive oxygen species-dependent ERK activation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 88, 289-298.	2.2	2
94	Acute Myocardial Infarction Involving Left Main Artery in a Patient with Antiphospholipid Syndrome. <i>Acta Cardiologica Sinica</i> , 2019, 35, 655-658.	0.2	1
95	Modulation of Mitotic Signal Transduction by Curcumin and Tea Polyphenols and Their Implication for Cancer Chemoprevention. <i>ACS Symposium Series</i> , 1998, , 225-238.	0.5	0
96	Biological Activities of Flavonoids Isolated from Chinese Herb Huang Qui: Inhibition of NO and PGE ₂ Production by Flavonoids. <i>ACS Symposium Series</i> , 2003, , 113-120.	0.5	0
97	A Lethal Complication after Coronary Angiography in a Patient with Ehlers-Danlos Syndrome. <i>Acta Cardiologica Sinica</i> , 2013, 29, 281-4.	0.2	0
98	Congenital Anomaly of Single Dominant Right Coronary Artery with Hypoplastic Left Coronary Artery. <i>Acta Cardiologica Sinica</i> , 2015, 31, 557-9.	0.2	0
99	2,3,5,4-Tetrahydroxystilbene-2-O-β-glucoside Attenuates Reactive Oxygen Species-Dependent Inflammation and Apoptosis in <i>Porphyromonas gingivalis</i> -Infected Brain Endothelial Cells. <i>Antioxidants</i> , 2022, 11, 740.	5.1	0