

Lie-Fen Shyur

List of Publications by Year in descending order

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99
papers

4,225
citations

126708

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118652

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103
all docs

103
docs citations

103
times ranked

5669
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA-Mediated Mitochondrial Dysfunction Is Involved in the Anti-triple-Negative Breast Cancer Cell Activity of Phytos sesquiterpene Lactones. <i>Antioxidants and Redox Signaling</i> , 2023, 38, 198-214.	2.5	1
2	Phyto-sesquiterpene lactones DET and DETD-35 induce ferroptosis in vemurafenib sensitive and resistant melanoma via GPX4 inhibition and metabolic reprogramming. <i>Pharmacological Research</i> , 2022, 178, 106148.	3.1	16
3	Cellular and Molecular Signaling as Targets for Cancer Vaccine Therapeutics. <i>Cells</i> , 2022, 11, 1590.	1.8	0
4	Identification of Serum Oxylipins Associated with the Development of Coronary Artery Disease: A Nested Case-Control Study. <i>Metabolites</i> , 2022, 12, 495.	1.3	0
5	Elucidation of enzymes involved in the biosynthetic pathway of bioactive polyacetylenes in <i>Bidens pilosa</i> using integrated omics approaches. <i>Journal of Experimental Botany</i> , 2021, 72, 525-541.	2.4	4
6	Sesquiterpene Lactone Deoxyelephantopin Isolated from <i>Elephantopus scaber</i> and Its Derivative DETD-35 Suppress BRAFV600E Mutant Melanoma Lung Metastasis in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3226.	1.8	12
7	Extract of white sweet potato tuber against TNF- α -induced insulin resistance by activating the PI3K/Akt pathway in C2C12 myotubes. , 2021, 62, 7.		7
8	Phytogalactolipid dLGG Inhibits Mouse Melanoma Brain Metastasis through Regulating Oxylipin Activity and Re-Programming Macrophage Polarity in the Tumor Microenvironment. <i>Cancers</i> , 2021, 13, 4120.	1.7	4
9	Current Advancements of Plant-Derived Agents for Triple-Negative Breast Cancer Therapy through Deregulating Cancer Cell Functions and Reprogramming Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13571.	1.8	8
10	Transformation and Characterization of Δ^{12} -Fatty Acid Acetylase and Δ^{12} -Oleate Desaturase Potentially Involved in the Polyacetylene Biosynthetic Pathway from <i>Bidens pilosa</i> . <i>Plants</i> , 2020, 9, 1483.	1.6	3
11	Association of Arachidonic Acid-derived Lipid Mediators with Subsequent Onset of Acute Myocardial Infarction in Patients with Coronary Artery Disease. <i>Scientific Reports</i> , 2020, 10, 8105.	1.6	23
12	Deregulating the CYP2C19/Epoxy-Eicosatrienoic Acid-Associated FABP4/FABP5 Signaling Network as a Therapeutic Approach for Metastatic Triple-Negative Breast Cancer. <i>Cancers</i> , 2020, 12, 199.	1.7	38
13	White sweet potato ameliorates hyperglycemia and regenerates pancreatic islets in diabetic mice. <i>Food and Nutrition Research</i> , 2020, 64, .	1.2	12
14	Essential Oil of <i>Mentha aquatica</i> var. Kenting Water Mint Suppresses Two-Stage Skin Carcinogenesis Accelerated by BRAF Inhibitor Vemurafenib. <i>Molecules</i> , 2019, 24, 2344.	1.7	7
15	Integrated omics-based pathway analyses uncover CYP epoxygenase-associated networks as theranostic targets for metastatic triple negative breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 187.	3.5	16
16	Cumingianoside A, a Phyto-Triterpenoid Saponin Inhibits Acquired BRAF Inhibitor Resistant Melanoma Growth via Programmed Cell Death. <i>Frontiers in Pharmacology</i> , 2019, 10, 30.	1.6	5
17	Phyto-sesquiterpene lactone deoxyelephantopin and cisplatin synergistically suppress lung metastasis of B16 melanoma in mice with reduced nephrotoxicity. <i>Phytomedicine</i> , 2019, 56, 194-206.	2.3	18
18	Dual specificity phosphatase DUSP 6 promotes endothelial inflammation through inducible expression of ICAM-1. <i>FEBS Journal</i> , 2018, 285, 1593-1610.	2.2	20

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19	Plant galactolipid dLGG suppresses lung metastasis of melanoma through deregulating TNF α -mediated pulmonary vascular permeability and circulating oxylipin dynamics in mice. <i>International Journal of Cancer</i> , 2018, 143, 3248-3261.	2.3	13
20	Metabolomic compounds identified in <i>Piriformospora indica</i> -colonized Chinese cabbage roots delineate symbiotic functions of the interaction. <i>Scientific Reports</i> , 2017, 7, 9291.	1.6	53
21	Novel effect and the mechanistic insights of fruiting body extract of medicinal fungus <i>Antrodia cinnamomea</i> against T47D breast cancer. <i>Phytomedicine</i> , 2017, 24, 39-48.	2.3	13
22	Phytoagent Deoxyelephantopin and Its Derivative Inhibit Triple Negative Breast Cancer Cell Activity through ROS-Mediated Exosomal Activity and Protein Functions. <i>Frontiers in Pharmacology</i> , 2017, 8, 398.	1.6	23
23	Phytoagent deoxyelephantopin derivative inhibits triple negative breast cancer cell activity by inducing oxidative stress-mediated paraptosis-like cell death. <i>Oncotarget</i> , 2017, 8, 56942-56958.	0.8	27
24	Novel sesquiterpene lactone analogues as potent anti-breast cancer agents. <i>Molecular Oncology</i> , 2016, 10, 921-937.	2.1	30
25	A Novel Plant Sesquiterpene Lactone Derivative, DETD-35, Suppresses BRAFV600E Mutant Melanoma Growth and Overcomes Acquired Vemurafenib Resistance in Mice. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1163-1176.	1.9	19
26	Copper supplementation amplifies the anti-tumor effect of curcumin in oral cancer cells. <i>Phytomedicine</i> , 2016, 23, 1535-1544.	2.3	31
27	Phytomedicine "Modulating oxidative stress and the tumor microenvironment for cancer therapy. <i>Pharmacological Research</i> , 2016, 114, 128-143.	3.1	71
28	Phytomedicine polypharmacology: Cancer therapy through modulating the tumor microenvironment and oxylipin dynamics. , 2016, 162, 58-68.		46
29	Mechanistic Study of the Phytocompound, 2- <i>D-Glucopyranosyloxy-1-hydroxytrideca-5,7,9,11-tetrayne</i> in Human T-Cell Acute Lymphocytic Leukemia Cells by Using Combined Differential Proteomics and Bioinformatics Approaches. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	2
30	Simvastatin and a Plant Galactolipid Protect Animals from Septic Shock by Regulating Oxylipin Mediator Dynamics through the MAPK-cPLA2 Signaling Pathway. <i>Molecular Medicine</i> , 2015, 21, 988-1001.	1.9	18
31	Pu-erh tea polysaccharides decrease blood sugar by inhibition of α -glucosidase activity in vitro and in mice. <i>Food and Function</i> , 2015, 6, 1539-1546.	2.1	109
32	Mammalian target of rapamycin complex 2 (mTORC2) regulates LPS-induced expression of IL-12 and IL-23 in human dendritic cells. <i>Journal of Leukocyte Biology</i> , 2015, 97, 1071-1080.	1.5	22
33	New alkaloids from Formosan zoanthid <i>Zoanthus kuroshio</i> . <i>Tetrahedron</i> , 2015, 71, 8601-8606.	1.0	16
34	Structural and Functional Roles of Glycosylation in Fungal Laccase from <i>Lentinus sp.</i> . <i>PLoS ONE</i> , 2015, 10, e0120601.	1.1	67
35	Abstract B175: A novel plant sesquiterpene lactone derivative DETD suppresses BRAFV600E mutant melanoma growth and overcomes acquired vemurafenib resistance in mice. , 2015, , .		0
36	Abstract A111: Plant galactolipid dLGG suppresses lung metastasis of melanoma through modulating endothelial-mesenchymal transition extravasation and oxylipins dynamics. , 2015, , .		0

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37	Abstract A74: Modulation of oxidative stress and exosome activity by phytoagent deoxyelephantopin (DET) and its derivative treatment in suppressing triple negative breast cancer cell functions. , 2015, , .		0
38	Hepatoprotective effect and mechanistic insights of deoxyelephantopin, a phyto-sesquiterpene lactone, against fulminant hepatitis. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 516-530.	1.9	48
39	Herbal Medicine and Acupuncture for Breast Cancer Palliative Care and Adjuvant Therapy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-17.	0.5	38
40	A Plant Kavalactone Desmethoxyyangonin Prevents Inflammation and Fulminant Hepatitis in Mice. <i>PLoS ONE</i> , 2013, 8, e77626.	1.1	12
41	Phytoagents for Cancer Management: Regulation of Nucleic Acid Oxidation, ROS, and Related Mechanisms. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-22.	1.9	81
42	Optical imaging of molecular targets of phytoagent deoxyelephantopin against mammary adenocarcinoma cell activities. <i>FASEB Journal</i> , 2013, 27, 663.1.	0.2	0
43	The role of protein glycosylation in laccases from <i>Lentinus</i> sp.. <i>FASEB Journal</i> , 2013, 27, 561.9.	0.2	0
44	Silibinin and Paclitaxel Cotreatment Significantly Suppress the Activity and Lung Metastasis of Triple Negative 4T1 Mammary Tumor Cell in Mice. <i>Journal of Traditional and Complementary Medicine</i> , 2012, 2, 301-311.	1.5	27
45	Engineering of dual-functional hybrid glucanases. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 771-780.	1.0	10
46	Biochemical characterization of a novel laccase from the basidiomycete fungus <i>Cerrena</i> sp. WR1. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 761-769.	1.0	27
47	Recombinant viral protein VP1 suppresses HER-2 expression and migration/metastasis of breast cancer. <i>Breast Cancer Research and Treatment</i> , 2012, 136, 89-105.	1.1	5
48	An Overview of the Current Development of Phytoremedies for Breast Cancer. <i>Evidence-based Anticancer Complementary and Alternative Medicine</i> , 2012, , 47-67.	0.1	3
49	Biological Degradation of Anthroquinone and Azo Dyes by a Novel Laccase from <i>Lentinus</i> sp.. <i>Environmental Science & Technology</i> , 2012, 46, 5109-5117.	4.6	78
50	Taxol, Camptothecin and Beyond for Cancer Therapy. <i>Advances in Botanical Research</i> , 2012, , 133-178.	0.5	5
51	Deoxyelephantopin impedes mammary adenocarcinoma cell motility by inhibiting calpain-mediated adhesion dynamics and inducing reactive oxygen species and aggresome formation. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1423-1436.	1.3	32
52	Echinacea Alkamides Prevent Lipopolysaccharide/Galactosamine- Induced Acute Hepatic Injury through JNK Pathway-Mediated HO-1 Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11966-11974.	2.4	27
53	Structural basis for the inhibition of 1,3-1,4- β -d-glucanase by noncompetitive calcium ion and competitive Tris inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 593-598.	1.0	4
54	Traditional Chinese medicine herbal extracts of <i>Cibotium barometz</i> , <i>Gentiana scabra</i> , <i>Dioscorea batatas</i> , <i>Cassia tora</i> , and <i>Taxillus chinensis</i> inhibit SARS-CoV replication. <i>Journal of Traditional and Complementary Medicine</i> , 2011, 1, 41-50.	1.5	130

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55	A sesquiterpenol extract potently suppresses inflammation in macrophages and mice skin and prevents chronic liver damage in mice through JNK-dependent HO-1 expression. <i>Phytochemistry</i> , 2011, 72, 391-399.	1.4	13
56	Crystal Structures of the Laminarinase Catalytic Domain from <i>Thermotoga maritima</i> MSB8 in Complex with Inhibitors. <i>Journal of Biological Chemistry</i> , 2011, 286, 45030-45040.	1.6	35
57	<i>Dioscorea</i> Phytochemicals Enhance Murine Splenocyte Proliferation <i>Ex Vivo</i> and Improve Regeneration of Bone Marrow Cells <i>In Vivo</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-11.	0.5	16
58	Taiwanin A inhibits MCF-7 cancer cell activity through induction of oxidative stress, upregulation of DNA damage checkpoint kinases, and activation of p53 and FasL/Fas signaling pathways. <i>Phytomedicine</i> , 2010, 18, 16-24.	2.3	29
59	Comparative metabolomics approach coupled with cell- and gene-based assays for species classification and anti-inflammatory bioactivity validation of <i>Echinacea</i> plants. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 1045-1059.	1.9	57
60	Structural and catalytic roles of amino acid residues located at substrate-binding pocket in <i>Fibrobacter succinogenes</i> 1,3- α -1,4- β -D-glucanase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2820-2830.	1.5	5
61	Deoxyelephantopin, a novel multifunctional agent, suppresses mammary tumour growth and lung metastasis and doubles survival time in mice. <i>British Journal of Pharmacology</i> , 2010, 159, 856-871.	2.7	85
62	Current Research and Development of Chemotherapeutic Agents for Melanoma. <i>Cancers</i> , 2010, 2, 397-419.	1.7	22
63	Differential Proteomic Profiling Identifies Novel Molecular Targets of Paclitaxel and Phytoagent Deoxyelephantopin against Mammary Adenocarcinoma Cells. <i>Journal of Proteome Research</i> , 2010, 9, 237-253.	1.8	34
64	Structural and catalytic roles of residues located in β 13 strand and the following β 2-turn loop in <i>Fibrobacter succinogenes</i> 1,3-1,4- β -D-glucanase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 231-239.	1.1	5
65	Structural modeling of glucanase-substrate complexes suggests a conserved tyrosine is involved in carbohydrate recognition in plant 1,3-1,4- β -D-glucanases. <i>Journal of Computer-Aided Molecular Design</i> , 2008, 22, 915-923.	1.3	9
66	Immunomodulatory effects of phytochemicals characterized by <i>in vivo</i> transgenic human GM-CSF promoter activity in skin tissues. <i>Journal of Biomedical Science</i> , 2008, 15, 813-822.	2.6	26
67	Mutational and structural studies of the active-site residues in truncated <i>Fibrobacter succinogenes</i> 1,3- α -1,4- β -D-glucanase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1259-1266.	2.5	4
68	Hepatoprotective phytochemicals from <i>Cryptomeria japonica</i> are potent modulators of inflammatory mediators. <i>Phytochemistry</i> , 2008, 69, 1348-1358.	1.4	45
69	Metabolomics for phytomedicine research and drug development. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 66-71.	2.8	147
70	Genomics and proteomics of immune modulatory effects of a butanol fraction of <i>echinacea purpurea</i> in human dendritic cells. <i>BMC Genomics</i> , 2008, 9, 479.	1.2	46
71	Effect of Phytochemicals from the Heartwood of <i>Acacia confusa</i> on Inflammatory Mediator Production. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 1567-1573.	2.4	51
72	A Novel Diterpene Suppresses CWR22Rv1 Tumor Growth <i>In vivo</i> through Antiproliferation and Proapoptosis. <i>Cancer Research</i> , 2008, 68, 6634-6642.	0.4	27

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73	A Novel Polyacetylene Significantly Inhibits Angiogenesis and Promotes Apoptosis in Human Endothelial Cells through Activation of the CDK Inhibitors and Caspase-7. <i>Planta Medica</i> , 2007, 73, 655-661.	0.7	22
74	A Galactolipid Possesses Novel Cancer Chemopreventive Effects by Suppressing Inflammatory Mediators and Mouse B16 Melanoma. <i>Cancer Research</i> , 2007, 67, 6907-6915.	0.4	73
75	Cytopiloyne, a novel polyacetylenic glucoside from <i>Bidens pilosa</i> , functions as a T helper cell modulator. <i>Journal of Ethnopharmacology</i> , 2007, 110, 532-538.	2.0	62
76	Flavonoids, centaurein and centaureidin, from <i>Bidens pilosa</i> , stimulate IFN- β expression. <i>Journal of Ethnopharmacology</i> , 2007, 112, 232-236.	2.0	77
77	Specific Plant Terpenoids and Lignoids Possess Potent Antiviral Activities against Severe Acute Respiratory Syndrome Coronavirus. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4087-4095.	2.9	460
78	Effects of <i>Chamaecyparis formosensis</i> Matasumura extractives on lipopolysaccharide-induced release of nitric oxide. <i>Phytomedicine</i> , 2007, 14, 675-680.	2.3	31
79	Modulatory effects of <i>Echinacea purpurea</i> extracts on human dendritic cells: A cell- and gene-based study. <i>Genomics</i> , 2006, 88, 801-808.	1.3	52
80	Ethyl caffeate suppresses NF- κ B activation and its downstream inflammatory mediators, iNOS, COX-2, and PGE2 in vitro or in mouse skin. <i>British Journal of Pharmacology</i> , 2005, 146, 352-363.	2.7	144
81	The distinct effects of a butanol fraction of <i>Bidens pilosa</i> plant extract on the development of Th1-mediated diabetes and Th2-mediated airway inflammation in mice. <i>Journal of Biomedical Science</i> , 2005, 12, 79-89.	2.6	39
82	Chemical composition and antifungal activity of essential oil isolated from <i>Chamaecyparis formosensis</i> Matsum. wood. <i>Holzforschung</i> , 2005, 59, 295-299.	0.9	58
83	A Truncated <i>Fibrobacter succinogenes</i> 1,3- α -D-Glucanase with Improved Enzymatic Activity and Thermotolerance. <i>Biochemistry</i> , 2005, 44, 9197-9205.	1.2	63
84	Phenolic Antioxidants from the Heartwood of <i>Acacia confusa</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5917-5921.	2.4	73
85	Crystal Structure of Truncated <i>Fibrobacter succinogenes</i> 1,3-1,4- β -D-Glucanase in Complex with β -1,3-1,4-Cellobiose. <i>Journal of Molecular Biology</i> , 2005, 354, 642-651.	2.0	27
86	Shikonins, Phytochemicals from <i>Lithospermum erythrorhizon</i> , Inhibit the Transcriptional Activation of Human Tumor Necrosis Factor α Promoter in Vivo. <i>Journal of Biological Chemistry</i> , 2004, 279, 5877-5885.	1.6	127
87	Polyacetylenic Compounds and Butanol Fraction from <i>Bidens pilosa</i> can Modulate the Differentiation of Helper T Cells and Prevent Autoimmune Diabetes in Non-Obese Diabetic Mice. <i>Planta Medica</i> , 2004, 70, 1045-1051.	0.7	77
88	Polyacetylenes Function as Anti-Angiogenic Agents. <i>Pharmaceutical Research</i> , 2004, 21, 2112-2119.	1.7	45
89	Induction of apoptosis in MCF-7 human breast cancer cells by phytochemicals from <i>Anoectochilus formosanus</i> . <i>Journal of Biomedical Science</i> , 2004, 11, 928-939.	2.6	6
90	Medicinal herb extract and a single-compound drug confer similar complex pharmacogenomic activities in MCF-7 cells. <i>Journal of Biomedical Science</i> , 2004, 11, 418-422.	2.6	21

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91	Induction of Apoptosis in MCF-7 Human Breast Cancer Cells by Phytochemicals from <i>Anoectochilus formosanus</i> . <i>Journal of Biomedical Science</i> , 2004, 11, 928-939.	2.6	38
92	Metabolite profiling and chemopreventive bioactivity of plant extracts from <i>Bidens pilosa</i> . <i>Journal of Ethnopharmacology</i> , 2004, 95, 409-419.	2.0	144
93	Medicinal herb extract and a single-compound drug confer similar complex pharmacogenomic activities in mcf-7 cells. <i>Journal of Biomedical Science</i> , 2004, 11, 418-22.	2.6	17
94	Antioxidant Properties and Phytochemical Characteristics of Extracts from <i>Lactuca indica</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 1506-1512.	2.4	82
95	Crystal Structure of a Natural Circularly Permuted Jellyroll Protein: 1,3-1,4- β -D-Glucanase from <i>Fibrobacter succinogenes</i> . <i>Journal of Molecular Biology</i> , 2003, 330, 607-620.	2.0	51
96	Profiling and Characterization Antioxidant Activities in <i>Anoectochilus formosanus</i> Hayata. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 1859-1865.	2.4	73
97	Mutagenesis of Trp54 and Trp203 Residues on <i>Fibrobacter Succinogenes</i> 1,3-1,4- β -D-Glucanase Significantly Affects Catalytic Activities of the Enzyme. <i>Biochemistry</i> , 2002, 41, 8759-8766.	1.2	18
98	Antioxidant Activity of Extracts from <i>Acacia confusa</i> Bark and Heartwood. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 3420-3424.	2.4	380
99	Directed Mutagenesis of Specific Active Site Residues on <i>Fibrobacter succinogenes</i> 1,3-1,4- β -D-Glucanase Significantly Affects Catalysis and Enzyme Structural Stability. <i>Journal of Biological Chemistry</i> , 2001, 276, 17895-17901.	1.6	21