

# Chia-Che Chang

## List of Publications by Year in descending order

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55  
papers

2,657  
citations

201674

27  
h-index

182427

51  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3941  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient fucoidan extraction and purification from <i>Sargassum cristaefolium</i> and preclinical dermal biological activity assessments of the purified fucoidans. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 137, 104294.	5.3	11
2	Isolation and purification of brown algae fucoidan from <i>Sargassum siliquosum</i> and the analysis of anti-lipogenesis activity. <i>Biochemical Engineering Journal</i> , 2021, 165, 107798.	3.6	32
3	Effect of molecular mass and sulfate content of fucoidan from <i>Sargassum siliquosum</i> on antioxidant, anti-lipogenesis, and anti-inflammatory activity. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 359-364.	2.2	28
4	Dehydroxyhispolon Methyl Ether, A Hispolon Derivative, Inhibits WNT/ $\beta$ -Catenin Signaling to Elicit Human Colorectal Carcinoma Cell Apoptosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8839.	4.1	24
5	Obatoclox, a Pan-BCL-2 Inhibitor, Downregulates Survivin to Induce Apoptosis in Human Colorectal Carcinoma Cells Via Suppressing WNT/ $\beta$ -catenin Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1773.	4.1	31
6	Structure and Biological Activity Analysis of Fucoidan Isolated from <i>Sargassum siliquosum</i> . <i>ACS Omega</i> , 2020, 5, 32447-32455.	3.5	45
7	Blockade of STAT3 Signaling Contributes to Anticancer Effect of 5-Acetyloxy-6,7,8,4'- $\text{OH}$ -Tetra-Methoxyflavone, a Tangeretin Derivative, on Human Glioblastoma Multiforme Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3366.	4.1	24
8	Protective effects of <i>trans</i> -2,3,5,4'- $\text{OH}$ -tetrahydroxystilbene 2- $\text{O}$ - $\beta$ -D-glucopyranoside on liver fibrosis and renal injury induced by CCl <sub>4</sub> via down-regulating p-ERK1/2 and p-Smad1/2. <i>Food and Function</i> , 2019, 10, 5115-5123.	4.6	22
9	A Soft Coral-Derived Compound, 11-Dehydrosinulariolide, Induces G2/M Cell Cycle Arrest and Apoptosis in Small Cell Lung Cancer. <i>Marine Drugs</i> , 2018, 16, 479.	4.6	11
10	Resveratrol Alleviates Rheumatoid Arthritis via Reducing ROS and Inflammation, Inhibiting MAPK Signaling Pathways, and Suppressing Angiogenesis. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12953-12960.	5.2	142
11	Obatoclox, a Pan-BCL-2 Inhibitor, Targets Cyclin D1 for Degradation to Induce Antiproliferation in Human Colorectal Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 44.	4.1	14
12	Diphenhydramine induces melanoma cell apoptosis by suppressing STAT3/MCL-1 survival signaling and retards B16-F10 melanoma growth in vivo. <i>Oncology Reports</i> , 2016, 36, 3465-3471.	2.6	8
13			

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19	Enhancing production of prodigiosin from <i>Serratia marcescens</i> C3 by statistical experimental design and porous carrier addition strategy. <i>Biochemical Engineering Journal</i> , 2013, 78, 93-100.	3.6	52
20	Metformin decreases hepatocellular carcinoma risk in a dose-dependent manner: population-based and in vitro studies. <i>Gut</i> , 2013, 62, 606-615.	12.1	352
21	WWP1 gene is a potential molecular target of human oral cancer. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 116, 221-231.	0.4	21
22	Proapoptotic and TRAIL-sensitizing constituents isolated from <i>Salvia miltiorrhiza</i> (Danshen). <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 516-523.	2.2	16
23	Subamolide B Isolated from Medicinal Plant <i>Cinnamomum subavenium</i> Induces Cytotoxicity in Human Cutaneous Squamous Cell Carcinoma Cells through Mitochondrial and CHOP-Dependent Cell Death Pathways. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	1.2	7
24	Abstract 296: 12-O-tetradecanoylphorbol-13-acetate (TPA) induces cell scattering by upregulating KrÄ4ppel-like factor 4 (KLF4) through the PKC±ERK signaling axis.. , 2013, , .		0
25	KrÄ4ppel-like factor 4 is involved in cell scattering induced by hepatocyte growth factor. <i>Journal of Cell Science</i> , 2012, 125, 4853-64.	2.0	24
26	Prodigiosin-induced cytotoxicity involves RAD51 down-regulation through the JNK and p38 MAPK pathways in human breast carcinoma cell lines. <i>Toxicology Letters</i> , 2012, 212, 83-89.	0.8	26
27	Prodigiosin downÄregulates SKP2 to induce p27<sup>KIP1</sup> stabilization and antiproliferation in human lung adenocarcinoma cells. <i>British Journal of Pharmacology</i> , 2012, 166, 2095-2108.	5.4	39
28	Mcl-1 determines the imiquimod-induced apoptosis but not imiquimod-induced autophagy in skin cancer cells. <i>Journal of Dermatological Science</i> , 2012, 65, 170-178.	1.9	15
29	Prodigiosin activates endoplasmic reticulum stress cell death pathway in human breast carcinoma cell lines. <i>Toxicology and Applied Pharmacology</i> , 2012, 265, 325-334.	2.8	36
30	TaqMan real-time PCR for detection and quantitation of squash leaf curl virus in cucurbits. <i>Journal of Virological Methods</i> , 2012, 179, 367-372.	2.1	8
31	Prodigiosin inhibits gp91phox and iNOS expression to protect mice against the oxidative/nitrosative brain injury induced by hypoxiaÄischemia. <i>Toxicology and Applied Pharmacology</i> , 2011, 257, 137-147.	2.8	39
32	Let-7b-mediated suppression of basigin expression and metastasis in mouse melanoma cells. <i>Experimental Cell Research</i> , 2011, 317, 445-451.	2.6	69
33	Development of natural anti-tumor drugs by microorganisms. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 501-511.	2.2	83
34	Clinical parameters associated with unsatisfactory specimens of conventional cervical smears. <i>Diagnostic Cytopathology</i> , 2011, 39, 87-91.	1.0	11
35	Promoting effect of <i>Antrodia camphorata</i> as an immunomodulating adjuvant on the antitumor efficacy of HER-2/neu DNA vaccine. <i>Cancer Immunology, Immunotherapy</i> , 2010, 59, 1259-1272.	4.2	13
36	Should adequacy criteria in cervicovaginal cytology be modified after radiotherapy, chemotherapy, or hysterectomy?. <i>Cancer Cytopathology</i> , 2010, 118, 474-481.	2.4	15

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37	Roles of MKK1/2-ERK1/2 and Phosphoinositide 3-Kinase- $\beta$ -Akt Signaling Pathways in Erlotinib-Induced Rad51 Suppression and Cytotoxicity in Human Non-Small Cell Lung Cancer Cells. <i>Molecular Cancer Research</i> , 2009, 7, 1378-1389.	3.4	48
38	Prodigiosin down-regulates survivin to facilitate paclitaxel sensitization in human breast carcinoma cell lines. <i>Toxicology and Applied Pharmacology</i> , 2009, 235, 253-260.	2.8	46
39	Cadmium biosorption by polyvinyl alcohol immobilized recombinant <i>Escherichia coli</i> . <i>Journal of Hazardous Materials</i> , 2009, 169, 651-658.	12.4	57
40	High-throughput avian molecular sexing by SYBR green-based real-time PCR combined with melting curve analysis. <i>BMC Biotechnology</i> , 2008, 8, 12.	3.3	54
41	Localization Effect on the Metal Biosorption Capability of Recombinant Mammalian and Fish Metallothioneins in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2008, 22, 1256-1264.	2.6	6
42	An improved PCR method for gender identification of eagles. <i>Molecular and Cellular Probes</i> , 2008, 22, 184-188.	2.1	19
43	High-throughput gender identification of Accipitridae eagles with real-time PCR using TaqMan probes. <i>Theriogenology</i> , 2008, 70, 83-90.	2.1	13
44	Nuclear Kr $\mu$ ppel-like factor 4 expression is associated with human skin squamous cell carcinoma progression and metastasis. <i>Cancer Biology and Therapy</i> , 2008, 7, 777-782.	3.4	77
45	Undecylprodigiosin selectively induces apoptosis in human breast carcinoma cells independent of p53. <i>Toxicology and Applied Pharmacology</i> , 2007, 225, 318-328.	2.8	42
46	Taxifolin ameliorates cerebral ischemia-reperfusion injury in rats through its anti-oxidative effect and modulation of NF- $\kappa$ B activation. <i>Journal of Biomedical Science</i> , 2006, 13, 127-141.	7.0	152
47	Comparative Immunoproteomics of Identification and Characterization of Virulence Factors from <i>Helicobacter pylori</i> Related to Gastric Cancer. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1484-1496.	3.8	60
48	Localization Effect on the Metal Biosorption Capability of Recombinant Mammalian and Fish Metallothioneins in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2006, 22, 1256-1264.	2.6	29
49	Antiviral effect of dehydroepiandrosterone on Japanese encephalitis virus infection. <i>Journal of General Virology</i> , 2005, 86, 2513-2523.	2.9	38
50	Specific Ablation of the Apoptotic Functions of Cytochrome c Reveals a Differential Requirement for Cytochrome c and Apaf-1 in Apoptosis. <i>Cell</i> , 2005, 121, 579-591.	28.9	257
51	CD30 Is Involved in Inhibition of T-Cell Proliferation by Hodgkin's Reed-Sternberg Cells 1. <i>Cancer Research</i> , 2004, 64, 2148-2152.	0.9	24
52	Pex12 Interacts with Pex5 and Pex10 and Acts Downstream of Receptor Docking in Peroxisomal Matrix Protein Import. <i>Journal of Cell Biology</i> , 1999, 147, 761-774.	5.2	142
53	Phenotype-Genotype Relationships in Complementation Group 3 of the Peroxisome-Biogenesis Disorders. <i>American Journal of Human Genetics</i> , 1998, 63, 1294-1306.	6.2	48
54	Isolation of the human PEX12 gene, mutated in group 3 of the peroxisome biogenesis disorders. <i>Nature Genetics</i> , 1997, 15, 385-388.	21.4	142

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55	Inhibition of Moloney murine leukemia virus reverse transcriptase activity by tetrahydroxyxanthenes isolated from the Chinese herb, <i>Tripterospermum lanceolatum</i> (Hyata). <i>Antiviral Research</i> , 1992, 19, 119-127.	4.1	8