

Ching-Chuan Kuo

List of Publications by Year in descending order

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90
papers

3,283
citations

109321

35
h-index

161849

54
g-index

91
all docs

91
docs citations

91
times ranked

4871
citing authors

#	ARTICLE	IF	CITATIONS
1	BPR0L075, a Novel Synthetic Indole Compound with Antimitotic Activity in Human Cancer Cells, Exerts Effective Antitumoral Activity in Vivo. <i>Cancer Research</i> , 2004, 64, 4621-4628.	0.9	193
2	Cytotoxic triterpenes from the aerial roots of <i>Ficus microcarpa</i> . <i>Phytochemistry</i> , 2005, 66, 495-501.	2.9	126
3	4-Ketopinonesinol, a novel naturally occurring ARE activator, induces the Nrf2/HO-1 axis and protects against oxidative stress-induced cell injury via activation of PI3K/AKT signaling. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1054-1066.	2.9	113
4	Effects of drying and extrusion on colour, chemical composition, antioxidant activities and mitogenic response of spleen lymphocytes of sweet potatoes. <i>Food Chemistry</i> , 2009, 117, 114-121.	8.2	107
5	Surface $\hat{\pm}$ -Enolase Promotes Extracellular Matrix Degradation and Tumor Metastasis and Represents a New Therapeutic Target. <i>PLoS ONE</i> , 2013, 8, e69354.	2.5	98
6	Salvinal, a Novel Microtubule Inhibitor Isolated from <i>Salvia miltiorrhizae</i> Bunge (Danshen), with Antimitotic Activity in Multidrug-Sensitive and -Resistant Human Tumor Cells. <i>Molecular Pharmacology</i> , 2004, 65, 77-84.	2.3	96
7	Synthesis and Evaluation of 3-Aroylindoles as Anticancer Agents: Metabolite Approach. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4941-4945.	6.4	84
8	Scaffold-Hopping Strategy: Synthesis and Biological Evaluation of 5,6-Fused Bicyclic Heteroaromatics To Identify Orally Bioavailable Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3076-3080.	6.4	84
9	2,2â€-Diphenyl-1-picrylhydrazyl Radical-Scavenging Active Components from Adlay (<i>Coix lachryma-jobi</i> L.) Tj ETQq _{1,1} _{5,2} 0.784314 rgBT	0.784314	82
10	Histone deacetylase inhibition improved cardiac functions with direct antifibrotic activity in heart failure. <i>International Journal of Cardiology</i> , 2013, 168, 4178-4183.	1.7	82
11	Antagonism of Free-Radical-Induced Damage of Adlay Seed and Its Antiproliferative Effect in Human Histolytic Lymphoma U937 Monocytic Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 1564-1570.	5.2	73
12	Four New 6-Nor-5(6â†7)abeo-abietane Type Diterpenes and Antitumoral Cytotoxic Diterpene Constituents from the Bark of <i>Taiwania cryptomerioides</i> . <i>Planta Medica</i> , 2005, 71, 72-76.	1.3	71
13	7-Aroyl-aminoindoline-1-sulfonamides as a Novel Class of Potent Antitubulin Agents. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6656-6659.	6.4	69
14	5-Amino-2-Aroylquinolines as Highly Potent Tubulin Polymerization Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2309-2313.	6.4	69
15	Discovery of 4-Amino and 4-Hydroxy-1-roylindoles as Potent Tubulin Polymerization Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4351-4355.	6.4	68
16	Phenyl Benzenesulfonylhydrazides Exhibit Selective Indoleamine 2,3-Dioxygenase Inhibition with Potent <i>in Vivo</i> Pharmacodynamic Activity and Antitumor Efficacy. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 419-430.	6.4	68
17	Targeting cathepsin S induces tumor cell autophagy via the EGFRâ€ERK signaling pathway. <i>Cancer Letters</i> , 2012, 317, 89-98.	7.2	66
18	Azaindolylsulfonamides, with a More Selective Inhibitory Effect on Histone Deacetylase 6 Activity, Exhibit Antitumor Activity in Colorectal Cancer HCT116 Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4009-4022.	6.4	66

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19	A Novel Oral Indoline-Sulfonamide Agent, <i>N</i> -[1-(4-Methoxybenzenesulfonyl)-2,3-dihydro-1 <i>H</i> -indol-7-yl]-Isonicotinamide (J30), Exhibits Potent Activity against Human Cancer Cells in Vitro and in Vivo through the Disruption of Microtubule. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 323, 398-405.	2.5	57
20	Three New Oleanane-Type Triterpenes from <i>Ludwigia octovalvis</i> with Cytotoxic Activity against Two Human Cancer Cell Lines. <i>Journal of Natural Products</i> , 2004, 67, 91-93.	3.0	56
21	Hypoxia-Induced Downregulation of DUSP-2 Phosphatase Drives Colon Cancer Stemness. <i>Cancer Research</i> , 2017, 77, 4305-4316.	0.9	56
22	D-501036, a novel selenophene-based triheterocycle derivative, exhibits potent in vitro and in vivo antitumoral activity which involves DNA damage and ataxia telangiectasia-mutated nuclear protein kinase activation. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 193-202.	4.1	55
23	Antimutagenic Constituents of Adlay (<i>Coix lachryma-jobi</i> L. var. <i>ma-yuen</i> Stapf) with Potential Cancer Chemopreventive Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6444-6452.	5.2	55
24	4- and 5-Aroylindoles as Novel Classes of Potent Antitubulin Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4548-4552.	6.4	54
25	Generation of Ligand-Based Pharmacophore Model and Virtual Screening for Identification of Novel Tubulin Inhibitors with Potent Anticancer Activity. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4221-4233.	6.4	52
26	Suppression of Allergic Reactions by Dehulled Adlay in Association with the Balance of Th1/Th2 Cell Responses. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3763-3769.	5.2	51
27	Design and Synthesis of β -Ketoamides as Cathepsin S Inhibitors with Potential Applications against Tumor Invasion and Angiogenesis. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4545-4549.	6.4	51
28	Analgesic and Anti-Inflammatory Bioactivities of Eburicoic Acid and Dehydroeburicoic Acid Isolated from <i>Antrodia camphorata</i> on the Inflammatory Mediator Expression in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 5064-5071.	5.2	50
29	c-MYC-directed NRF2 drives malignant progression of head and neck cancer via glucose-6-phosphate dehydrogenase and transketolase activation. <i>Theranostics</i> , 2021, 11, 5232-5247.	10.0	48
30	Gene expression profiling for analysis acquired oxaliplatin resistant factors in human gastric carcinoma TSGH-S3 cells: The role of IL-6 signaling and Nrf2/AKR1C axis identification. <i>Biochemical Pharmacology</i> , 2013, 86, 872-887.	4.4	47
31	2-Amino and 2- β -Aminocombretastatin Derivatives as Potent Antimitotic Agents. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6412-6415.	6.4	46
32	5-Amino-2-aryloquinolines as Highly Potent Tubulin Polymerization Inhibitors. Part 2. The Impact of Bridging Groups at Position C-2. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8517-8525.	6.4	45
33	Adlay (soft-shelled job's tears, the seeds of <i>Coix lachryma-jobi</i> L. var. <i>ma-yuen</i> Stapf) is a Potential Cancer Chemopreventive Agent toward Multistage Carcinogenesis Processes. <i>Journal of Traditional and Complementary Medicine</i> , 2012, 2, 267-275.	2.7	43
34	MiR-30a and miR-379 modulate retinoic acid pathway by targeting DNA methyltransferase 3B in oral cancer. <i>Journal of Biomedical Science</i> , 2020, 27, 46.	7.0	42
35	Furanylazaindoles: Potent Anticancer Agents in Vitro and in Vivo. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8008-8018.	6.4	40
36	Cytotoxic Steroidal Saponins from <i>Agave sisalana</i> . <i>Planta Medica</i> , 2011, 77, 929-933.	1.3	36

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37	Cytotoxic C ₃₅ Terpenoid Cryptotrine from the Bark of <i>Cryptomeria japonica</i> . <i>Organic Letters</i> , 2010, 12, 2786-2789.	4.6	34
38	Heart failure and angiotensin II modulate atrial <i>Pitx2c</i> promoter methylation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 379-384.	1.9	32
39	MPTOB098, a Novel Microtubule Inhibitor That Destabilizes the Hypoxia-Inducible Factor-1 α mRNA through Decreasing Nuclear \rightarrow Cytoplasmic Translocation of RNA-Binding Protein HuR. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1202-1212.	4.1	31
40	Cytotoxic and novel skeleton compounds from the heartwood of <i>Chamaecyparis obtusa</i> var. <i>formosana</i> . <i>Tetrahedron Letters</i> , 2007, 48, 1567-1569.	1.4	30
41	Synthesis and biological evaluation of 1-(4-Indolyl and 6-Quinoliny) indoles as a new class of potent anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3623-3629.	5.5	30
42	Design, Synthesis, and Evaluation of Thiazolidine-2,4-dione Derivatives as a Novel Class of Glutaminase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 5599-5612.	6.4	30
43	Synthesis and Structure \rightarrow Activity Relationships of 2-Amino-1-arylnaphthalene and 2-Hydroxy-1-arylnaphthalenes as Potent Antitubulin Agents. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 8163-8167.	6.4	29
44	MPTOB098, a Microtubule Inhibitor, Suppresses JAK2/STAT3 Signaling Pathway through Modulation of SOCS3 Stability in Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0158440.	2.5	29
45	Mechanistic basis of a combination d-penicillamine and platinum drugs synergistically inhibits tumor growth in oxaliplatin-resistant human cervical cancer cells in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2015, 95, 28-37.	4.4	28
46	Drug repurposing for chronic myeloid leukemia: in silico and in vitro investigation of DrugBank database for allosteric Bcr-Abl inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1833-1848.	3.5	28
47	Chamaecypanone C, a novel skeleton microtubule inhibitor, with anticancer activity by trigger caspase 8-Fas/FasL dependent apoptotic pathway in human cancer cells. <i>Biochemical Pharmacology</i> , 2010, 79, 1261-1271.	4.4	27
48	Novel Nrf2/ARE Activator, <i>trans</i> -Coniferylaldehyde, Induces a HO-1-Mediated Defense Mechanism through a Dual p38 β /MAPKAPK-2 and PK-N3 Signaling Pathway. <i>Chemical Research in Toxicology</i> , 2015, 28, 1681-1692.	3.3	26
49	DNA Repair Enzyme, O6-Methylguanine DNA Methyltransferase, Modulates Cytotoxicity of Camptothecin-Derived Topoisomerase I Inhibitors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 946-954.	2.5	25
50	Unique Sulfur \rightarrow Aromatic Interactions Contribute to the Binding of Potent Imidazothiazole Indoleamine 2,3-Dioxygenase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1642-1659.	6.4	25
51	Tamoxifen accelerates proteasomal degradation of O6-methylguanine DNA methyltransferase in human cancer cells. <i>International Journal of Cancer</i> , 2007, 121, 2293-2300.	5.1	23
52	Synthesis and biological evaluation of 7-arylindoline-1-benzenesulfonamides as a novel class of potent anticancer agents. <i>MedChemComm</i> , 2010, 1, 152.	3.4	22
53	Concise syntheses of N-aryl-5,6,7-trimethoxyindoles as antimitotic and vascular disrupting agents: application of the copper-mediated Ullmann-type arylation. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3154.	2.8	20
54	Desferal regulates hCtr1 and transferrin receptor expression through Sp1 and exhibits synergistic cytotoxicity with platinum drugs in oxaliplatin-resistant human cervical cancer cells in vitro and in vivo. <i>Oncotarget</i> , 2016, 7, 49310-49321.	1.8	19

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55	C35 Terpenoids from the Bark of <i>Calocedrus macrolepis</i> var. <i>formosana</i> with Activity against Human Cancer Cell Lines. <i>Journal of Natural Products</i> , 2006, 69, 1611-1613.	3.0	18
56	Combination of arsenic trioxide and BCNU synergistically triggers redox-mediated autophagic cell death in human solid tumors. <i>Free Radical Biology and Medicine</i> , 2011, 51, 2195-2209.	2.9	18
57	Enhanced B-Raf-mediated NRF2 gene transcription and HATs-mediated NRF2 protein acetylation contributes to ABCC1-mediated chemoresistance and glutathione-mediated survival in acquired topoisomerase II poison-resistant cancer cells. <i>Free Radical Biology and Medicine</i> , 2017, 113, 505-518.	2.9	18
58	ERK Activation Modulates Cancer Stemness and Motility of a Novel Mouse Oral Squamous Cell Carcinoma Cell Line. <i>Cancers</i> , 2020, 12, 61.	3.7	16
59	Discovery of BPR1K871, a quinazoline based, multi-kinase inhibitor for the treatment of AML and solid tumors: Rational design, synthesis, <i>in vitro</i> and <i>in vivo</i> evaluation. <i>Oncotarget</i> , 2016, 7, 86239-86256.	1.8	16
60	A Novel Synthetic Microtubule Inhibitor, MPTOB214 Exhibits Antitumor Activity in Human Tumor Cells through Mitochondria-Dependent Intrinsic Pathway. <i>PLoS ONE</i> , 2013, 8, e58953.	2.5	15
61	Antioxidative 7-Oxodehydropodocarpane-Type Trinorditerpenes from the Bark of <i>Taiwania cryptomerioides</i> . <i>Planta Medica</i> , 2002, 68, 1020-1023.	1.3	14
62	Antimitotic and antivasular activity of heteroaroyl-2-hydroxy-3,4,5-trimethoxybenzenes. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4230-4236.	3.0	14
63	Novel oxime-bearing coumarin derivatives act as potent Nrf2/ARE activators <i>in vitro</i> and in mouse model. <i>European Journal of Medicinal Chemistry</i> , 2015, 106, 60-74.	5.5	14
64	Ubiquitin-conjugating enzyme E2 B regulates the ubiquitination of O-methylguanine-DNA methyltransferase and BCNU sensitivity in human nasopharyngeal carcinoma cells. <i>Biochemical Pharmacology</i> , 2018, 158, 327-338.	4.4	12
65	Melatonin promotes neuroblastoma cell differentiation by activating hyaluronan synthase 3-induced mitophagy. <i>Cancer Medicine</i> , 2019, 8, 4821-4835.	2.8	12
66	2-Amino-3,4,5-trimethoxybenzophenones as Potent Tubulin Polymerization Inhibitors. <i>ChemMedChem</i> , 2011, 6, 450-456.	3.2	11
67	Concise syntheses of 7-anilino-indoline-N-benzenesulfonamides as antimitotic and vascular disrupting agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4917-4923.	3.0	10
68	Novel microtubule inhibitor MPTOB098 inhibits hypoxia-induced epithelial-to-mesenchymal transition in head and neck squamous cell carcinoma. <i>Journal of Biomedical Science</i> , 2018, 25, 28.	7.0	10
69	2-Aroylquinoline-5,8-diones as potent anticancer agents displaying tubulin and heat shock protein 90 (HSP90) inhibition. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 716-723.	2.8	9
70	Novel Terpenoids from <i>Calocedrus macrolepis</i> var. <i>formosana</i> . <i>Chemistry and Biodiversity</i> , 2011, 8, 1901-1907.	2.1	8
71	Antimitotic and vascular disrupting agents: 2-Hydroxy-3,4,5-trimethoxybenzophenones. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 306-314.	5.5	8
72	Two New Acidic Diterpenoids from the Heartwood of <i>Pinus massoniana</i> Lamb.. <i>Helvetica Chimica Acta</i> , 2014, 97, 1146-1151.	1.6	8

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73	A novel peroxisome proliferator-activated receptor α/β agonist, BPR1H0101, inhibits topoisomerase II catalytic activity in human cancer cells. <i>Anti-Cancer Drugs</i> , 2008, 19, 151-158.	1.4	7
74	Labdanecaryophyllic acid, a novel cytotoxic C35 terpenoid from <i>Calocedrus macrolepis</i> var. <i>formosana</i> . <i>Tetrahedron Letters</i> , 2011, 52, 515-517.	1.4	7
75	Xanthine Derivatives Reveal an Allosteric Binding Site in Methylenetetrahydrofolate Dehydrogenase 2 (MTHFD2). <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11288-11301.	6.4	7
76	Transcriptional Repression of α -Methylguanine DNA Methyltransferase Gene Rendering Cells Hypersensitive to N,N -Bis(2-chloroethyl)- N -nitrosourea in Camptothecin-Resistant Cells. <i>Molecular Pharmacology</i> , 2008, 74, 517-526.	2.3	6
77	4-Bromophenylhydrazinyl benzenesulfonylphenylureas as indoleamine 2,3-dioxygenase inhibitors with in vivo target inhibition and anti-tumor efficacy. <i>Bioorganic Chemistry</i> , 2018, 77, 600-607.	4.1	6
78	Diterpenoids from the Wood of <i>Cunninghamia konishii</i> . <i>Helvetica Chimica Acta</i> , 2013, 96, 2282-2287.	1.6	5
79	Identification of a Multitargeted Tyrosine Kinase Inhibitor for the Treatment of Gastrointestinal Stromal Tumors and Acute Myeloid Leukemia. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 11135-11150.	6.4	5
80	Pilot Study: Nutritional and Preclinical Safety Investigation of Fermented Hispidin-Enriched <i>Sanghuangporus sanghuang</i> Mycelia: A Promising Functional Food Material to Improve Sleep. <i>Frontiers in Nutrition</i> , 2021, 8, 788965.	3.7	5
81	Application of Suzuki arylation, Sonogashira ethynylation and Rosenmund-von Braun cyanation in the exploration of substitution effects on the anticancer activity of 2-arylquinolines. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9593.	2.8	4
82	Synthesis and Biological Evaluation of 4-Aroyl-6,7,8-Trimethoxyquinolines as a Novel Class of Anticancer Agents. <i>Molecules</i> , 2011, 16, 2274-2284.	3.8	3
83	Two New Labdane-Type Diterpene Acids from the Wood of <i>Cunninghamia konishii</i> . <i>Helvetica Chimica Acta</i> , 2015, 98, 123-127.	1.6	3
84	Two new diprenylated flavanones from <i>Derris laxiflora</i> Benth. <i>Natural Product Research</i> , 2020, 34, 2101-2108.	1.8	3
85	Two new chromones and a new coumarin from the fruit of <i>Cnidium monnieri</i> (L.) Cusson. <i>Natural Product Research</i> , 2021, , 1-9.	1.8	2
86	Type-3 Hyaluronan Synthase Attenuates Tumor Cells Invasion in Human Mammary Parenchymal Tissues. <i>Molecules</i> , 2021, 26, 6548.	3.8	1
87	Discovery and development of a novel N -(3-bromophenyl)-{[(phenylcarbamoyl)amino]methyl}- N -hydroxythiophene-2-carboximidamide indoleamine 2,3-dioxygenase inhibitor using knowledge-based drug design. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114043.	5.5	1
88	A novel bis-benzylidenecyclopentanone derivative, BPROY007, inducing a rapid caspase activation involving upregulation of Fas (CD95/APO-1) and wild-type p53 in human oral epidermoid carcinoma cells. <i>Biochemical Pharmacology</i> , 2004, 68, 293-293.	4.4	0
89	High expression of Hsp90-beta and GRP 94 association with poor survival in resected non-small cell lung cancer patients.. <i>Journal of Clinical Oncology</i> , 2014, 32, e13522-e13522.	1.6	0
90	A novel mechanism of miRNA-mediated CBX8 associated with tumorigenesis in head and neck squamous cell carcinoma.. <i>Journal of Clinical Oncology</i> , 2019, 37, e17534-e17534.	1.6	0