Ching-Chuan Kuo

List of Publications by Year
in descending order

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	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. European Journal of Medicinal Chemistry, 2022, 229, 114043.	5.5	1
2	c-MYC-directed NRF2 drives malignant progression of head and neck cancer via glucose-6-phosphate dehydrogenase and transketolase activation. Theranostics, 2021, 11, 5232-5247.	10.0	48
3	Xanthine Derivatives Reveal an Allosteric Binding Site in Methylenetetrahydrofolate Dehydrogenase 2 (MTHFD2). Journal of Medicinal Chemistry, 2021, 64, 11288-11301.	6.4	7
4	Two new chromones and a new coumarin from the fruit of Cnidium monnieri (L.) Cusson. Natural Product Research, 2021, , 1-9.	1.8	2
5	Type-3 Hyaluronan Synthase Attenuates Tumor Cells Invasion in Human Mammary Parenchymal Tissues. Molecules, 2021, 26, 6548.	3.8	1
6	Pilot Study: Nutritional and Preclinical Safety Investigation of Fermented Hispidin-Enriched Sanghuangporus sanghuang Mycelia: A Promising Functional Food Material to Improve Sleep. Frontiers in Nutrition, 2021, 8, 788965.	3.7	5
7	Two new diprenylated flavanones from Derris laxiflora Benth. Natural Product Research, 2020, 34, 2101-2108.	1.8	3
8	ERK Activation Modulates Cancer Stemness and Motility of a Novel Mouse Oral Squamous Cell Carcinoma Cell Line. Cancers, 2020, 12, 61.	3.7	16
9	Unique Sulfurâ€“Aromatic Interactions Contribute to the Binding of Potent Imidazothiazole Indoleamine 2,3-Dioxygenase Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 1642-1659.	6.4	25
10	MiR-30a and miR-379 modulate retinoic acid pathway by targeting DNA methyltransferase 3B in oral cancer. Journal of Biomedical Science, 2020, 27, 46.	7.0	42
11	Melatonin promotes neuroblastoma cell differentiation by activating hyaluronan synthase 3â€induced mitophagy. Cancer Medicine, 2019, 8, 4821-4835.	2.8	12
12	Identification of a Multitargeted Tyrosine Kinase Inhibitor for the Treatment of Gastrointestinal Stromal Tumors and Acute Myeloid Leukemia. Journal of Medicinal Chemistry, 2019, 62, 11135-11150.	6.4	5
13	A novel mechanism of miRNA-mediated CBX8 associated with tumorigenesis in head and neck squamous cell carcinoma.. Journal of Clinical Oncology, 2019, 37, e17534-e17534.	1.6	0
14	4-Bromophenylhydrazinyl benzenesulfonylphenylureas as indoleamine 2,3-dioxygenase inhibitors with in vivo target inhibition and anti-tumor efficacy. Bioorganic Chemistry, 2018, 77, 600-607.	4.1	6
15	Novel microtubule inhibitor MPT0B098 inhibits hypoxia-induced epithelial-to-mesenchymal transition in head and neck squamous cell carcinoma. Journal of Biomedical Science, 2018, 25, 28.	7.0	10
16	Ubiquitin-conjugating enzyme E2 B regulates the ubiquitination of O-methylguanine-DNA methyltransferase and BCNU sensitivity in human nasopharyngeal carcinoma cells. Biochemical Pharmacology, 2018, 158, 327-338.	4.4	12
17	Drug repurposing for chronic myeloid leukemia: in silico and in vitro investigation of DrugBank database for allosteric Bcr-Abl inhibitors. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1833-1848.	3.5	28
18	Design, Synthesis, and Evaluation of Thiazolidine-2,4-dione Derivatives as a Novel Class of Glutaminase Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 5599-5612.	6.4	30

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19	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. Free Radical Biology and Medicine, 2017, 113, 505-518.	2.9	18
20	Hypoxia-Induced Downregulation of DUSP-2 Phosphatase Drives Colon Cancer Stemness. Cancer Research, 2017, 77, 4305-4316.	0.9	56
21	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. Oncotarget, 2016, 7, 49310-49321.	1.8	19
22	MPT0B098, a Microtubule Inhibitor, Suppresses JAK2/STAT3 Signaling Pathway through Modulation of SOCS3 Stability in Oral Squamous Cell Carcinoma. PLoS ONE, 2016, 11, e0158440.	2.5	29
23	Phenyl Benzenesulfonylhydrazides Exhibit Selective Indoleamine 2,3-Dioxygenase Inhibition with Potent in Vivo Pharmacodynamic Activity and Antitumor Efficacy. Journal of Medicinal Chemistry, 2016, 59, 419-430.	6.4	68
24	2-Aroylquinoline-5,8-diones as potent anticancer agents displaying tubulin and heat shock protein 90 (HSP90) inhibition. Organic and Biomolecular Chemistry, 2016, 14, 716-723.	2.8	9
25	Discovery of BPR1K871, a quinazoline based, multi-kinase inhibitor for the treatment of AML and solid tumors: Rational design, synthesis, in vitro and in vivo evaluation. Oncotarget, 2016, 7, 86239-86256.	1.8	16
26	Two New Labdaneâ€Type Diterpene Acids from the Wood of Cunninghamia konishii. Helvetica Chimica Acta, 2015, 98, 123-127.	1.6	3
27	Antimitotic and antivascular activity of heteroaroyl-2-hydroxy-3,4,5-trimethoxybenzenes. Bioorganic and Medicinal Chemistry, 2015, 23, 4230-4236.	3.0	14
28	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. Biochemical Pharmacology, 2015, 95, 28-37.	4.4	28
29	Novel oxime-bearing coumarin derivatives act as potent Nrf2/ARE activators inÂvitro and in mouse model. European Journal of Medicinal Chemistry, 2015, 106, 60-74.	5.5	14
30	Novel Nrf2/ARE Activator, trans-Coniferylaldehyde, Induces a HO-1-Mediated Defense Mechanism through a Dual p38Î±/MAPKAPK-2 and PK-N3 Signaling Pathway. Chemical Research in Toxicology, 2015, 28, 1681-1692.	3.3	26
31	Antimitotic and vascular disrupting agents: 2-Hydroxy-3,4,5-trimethoxybenzophenones. European Journal of Medicinal Chemistry, 2014, 77, 306-314.	5.5	8
32	Azaindolylsulfonamides, with a More Selective Inhibitory Effect on Histone Deacetylase 6 Activity, Exhibit Antitumor Activity in Colorectal Cancer HCT116 Cells. Journal of Medicinal Chemistry, 2014, 57, 4009-4022.	6.4	66
33	Two New Acidic Diterpenoids from the Heartwood of Pinus massoniana <scp>Lamb</scp>.. Helvetica Chimica Acta, 2014, 97, 1146-1151.	1.6	8
34	Concise syntheses of 7-anilino-indoline-N-benzenesulfonamides as antimitotic and vascular disrupting agents. Bioorganic and Medicinal Chemistry, 2014, 22, 4917-4923.	3.0	10
35	High expression of Hsp90-beta and GRP 94 association with poor survival in resected non-small cell lung cancer patients.. Journal of Clinical Oncology, 2014, 32, e13522-e13522.	1.6	0
36	Furanylazaindoles: Potent Anticancer Agents in Vitro and in Vivo. Journal of Medicinal Chemistry, 2013, 56, 8008-8018.	6.4	40

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37	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. Biochemical Pharmacology, 2013, 86, 872-887.	4.4	47
38	Histone deacetylase inhibition improved cardiac functions with direct antifibrotic activity in heart failure. International Journal of Cardiology, 2013, 168, 4178-4183.	1.7	82
39	Analgesic and Anti-Inflammatory Bioactivities of Eburicoic Acid and Dehydroeburicoic Acid Isolated from Antrodia camphorata on the Inflammatory Mediator Expression in Mice. Journal of Agricultural and Food Chemistry, 2013, 61, 5064-5071.	5.2	50
40	MPT0B098, a Novel Microtubule Inhibitor That Destabilizes the Hypoxia-Inducible Factor-1Î± mRNA through Decreasing Nuclearâ€“Cytoplasmic Translocation of RNA-Binding Protein HuR. Molecular Cancer Therapeutics, 2013, 12, 1202-1212.	4.1	31
41	Heart failure and angiotensin <scp>II</scp> modulate atrial Pitx2c promotor methylation. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 379-384.	1.9	32
42	Diterpenoids from the Wood of Cunninghamia konishii. Helvetica Chimica Acta, 2013, 96, 2282-2287.	1.6	5
43	Surface Î±-Enolase Promotes Extracellular Matrix Degradation and Tumor Metastasis and Represents a New Therapeutic Target. PLoS ONE, 2013, 8, e69354.	2.5	98
44	A Novel Synthetic Microtubule Inhibitor, MPT0B214 Exhibits Antitumor Activity in Human Tumor Cells through Mitochondria-Dependent Intrinsic Pathway. PLoS ONE, 2013, 8, e58953.	2.5	15
45	Adlay (è–è‹¡ yÃ¬ yÄ; â€œsoft-shelled job's tearsâ€; the seeds of Coix lachryma-jobi L. var. ma-yuen Stapf) is a Potential Cancer Chemopreventive Agent toward Multistage Carcinogenesis Processes. Journal of Traditional and Complementary Medicine, 2012, 2, 267-275.	2.7	43
46	Application of Suzuki arylation, Sonogashira ethynylation and Rosenmundâ€“von Braun cyanation in the exploration of substitution effects on the anticancer activity of 2-aroylquinolines. Organic and Biomolecular Chemistry, 2012, 10, 9593.	2.8	4
47	Targeting cathepsin S induces tumor cell autophagy via the EGFRâ€“ERK signaling pathway. Cancer Letters, 2012, 317, 89-98.	7.2	66
48	4-Ketopinoresinol, 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. Free Radical Biology and Medicine, 2012, 52, 1054-1066.	2.9	113
49	Antimutagenic Constituents of Adlay (Coix lachryma-jobi L. var. ma-yuen Stapf) with Potential Cancer Chemopreventive Activity. Journal of Agricultural and Food Chemistry, 2011, 59, 6444-6452.	5.2	55
50	Cytotoxic Steroidal Saponins fromAgave sisalana. Planta Medica, 2011, 77, 929-933.	1.3	36
51	Scaffold-Hopping Strategy: Synthesis and Biological Evaluation of 5,6-Fused Bicyclic Heteroaromatics To Identify Orally Bioavailable Anticancer Agents. Journal of Medicinal Chemistry, 2011, 54, 3076-3080.	6.4	84
52	5-Amino-2-aroylquinolines as Highly Potent Tubulin Polymerization Inhibitors. Part 2. The Impact of Bridging Groups at Position C-2. Journal of Medicinal Chemistry, 2011, 54, 8517-8525.	6.4	45
53	Concise syntheses of N-aryl-5,6,7-trimethoxyindoles as antimitotic and vascular disrupting agents: application of the copper-mediated Ullmann-type arylation. Organic and Biomolecular Chemistry, 2011, 9, 3154.	2.8	20
54	Synthesis and Biological Evaluation of 4-Aroyl-6,7,8-Trimethoxyquinolines as a Novel Class of Anticancer Agents. Molecules, 2011, 16, 2274-2284.	3.8	3

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55	Synthesis and biological evaluation of 1-(4â€²-Indolyl and 6â€²-Quinolinyl) indoles as a new class of potent anticancer agents. European Journal of Medicinal Chemistry, 2011, 46, 3623-3629.	5.5	30
56	Combination of arsenic trioxide and BCNU synergistically triggers redox-mediated autophagic cell death in human solid tumors. Free Radical Biology and Medicine, 2011, 51, 2195-2209.	2.9	18
57	2â€Aminoâ€3,4,5â€Trimethoxybenzophenones as Potent Tubulin Polymerization Inhibitors. ChemMedChem, 2011, 6, 450-456.	3.2	11
58	Novel Terpenoids from Calocedrus macrolepis var. formosana. Chemistry and Biodiversity, 2011, 8, 1901-1907.	2.1	8
59	Labdanecaryophyllic acid, a novel cytotoxic C35 terpenoid from Calocedrus macrolepis var. formosana. Tetrahedron Letters, 2011, 52, 515-517.	1.4	7
60	Chamaecypanone C, a novel skeleton microtubule inhibitor, with anticancer activity by trigger caspase 8-Fas/FasL dependent apoptotic pathway in human cancer cells. Biochemical Pharmacology, 2010, 79, 1261-1271.	4.4	27
61	Cytotoxic C₃₅ Terpenoid Cryptotrione from the Bark of Cryptomeria japonica. Organic Letters, 2010, 12, 2786-2789.	4.6	34
62	Design and Synthesis of Î±-Ketoamides as Cathepsin S Inhibitors with Potential Applications against Tumor Invasion and Angiogenesis. Journal of Medicinal Chemistry, 2010, 53, 4545-4549.	6.4	51
63	5-Amino-2-Aroylquinolines as Highly Potent Tubulin Polymerization Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 2309-2313.	6.4	69
64	Synthesis and biological evaluation of 7-arylindoline-1-benzenesulfonamides as a novel class of potent anticancer agents. MedChemComm, 2010, 1, 152.	3.4	22
65	Effects of drying and extrusion on colour, chemical composition, antioxidant activities and mitogenic response of spleen lymphocytes of sweet potatoes. Food Chemistry, 2009, 117, 114-121.	8.2	107
66	Generation of Ligand-Based Pharmacophore Model and Virtual Screening for Identification of Novel Tubulin Inhibitors with Potent Anticancer Activity. Journal of Medicinal Chemistry, 2009, 52, 4221-4233.	6.4	52
67	Synthesis and Evaluation of 3-Aroylindoles as Anticancer Agents: Metabolite Approach. Journal of Medicinal Chemistry, 2009, 52, 4941-4945.	6.4	84
68	Discovery of 4-Amino and 4-Hydroxy-1-aroylindoles as Potent Tubulin Polymerization Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 4351-4355.	6.4	68
69	Synthesis and Structureâ^'Activity Relationships of 2-Amino-1-aroylnaphthalene and 2-Hydroxy-1-aroylnaphthalenes as Potent Antitubulin Agents. Journal of Medicinal Chemistry, 2008, 51, 8163-8167.	6.4	29
70	Transcriptional Repression of O⁶-Methylguanine DNA Methyltransferase Gene Rendering Cells Hypersensitive to N,Nâ€²-Bis(2-chloroethyl)-N-nitrosurea in Camptothecin-Resistant Cells. Molecular Pharmacology, 2008, 74, 517-526.	2.3	6
71	A novel peroxisome proliferator-activated receptor Î±/Î³ agonist, BPR1H0101, inhibits topoisomerase II catalytic activity in human cancer cells. Anti-Cancer Drugs, 2008, 19, 151-158.	1.4	7
72	A Novel Oral Indoline-Sulfonamide Agent, N-[1-(4-Methoxybenzenesulfonyl)-2,3-dihydro-1H-indol-7-yl]-Isonicotinamide (J30), Exhibits Potent Activity against Human Cancer Cells in Vitro and in Vivo through the Disruption of Microtubule. Journal of Pharmacology and Experimental Therapeutics, 2007, 323, 398-405.	2.5	57

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73	D-501036, a novel selenophene-based triheterocycle derivative, exhibits potent in vitro and in vivo antitumoral activity which involves DNA damage and ataxia telangiectasiaâ€“mutated nuclear protein kinase activation. Molecular Cancer Therapeutics, 2007, 6, 193-202.	4.1	55
74	4- and 5-Aroylindoles as Novel Classes of Potent Antitubulin Agents. Journal of Medicinal Chemistry, 2007, 50, 4548-4552.	6.4	54
75	Tamoxifen accelerates proteasomal degradation ofO6-methylguanine DNA methyltransferase in human cancer cells. International Journal of Cancer, 2007, 121, 2293-2300.	5.1	23
76	Cytotoxic and novel skeleton compounds from the heartwood of Chamaecyparis obtusa var. formosana. Tetrahedron Letters, 2007, 48, 1567-1569.	1.4	30
77	2-Amino and 2â€˜-Aminocombretastatin Derivatives as Potent Antimitotic Agents. Journal of Medicinal Chemistry, 2006, 49, 6412-6415.	6.4	46
78	7-Aroyl-aminoindoline-1-sulfonamides as a Novel Class of Potent Antitubulin Agents. Journal of Medicinal Chemistry, 2006, 49, 6656-6659.	6.4	69
79	C35Terpenoids from the Bark ofCalocedrusmacrolepisvar.formosanawith Activity against Human Cancer Cell Lines. Journal of Natural Products, 2006, 69, 1611-1613.	3.0	18
80	DNA Repair Enzyme, O6-Methylguanine DNA Methyltransferase, Modulates Cytotoxicity of Camptothecin-Derived Topoisomerase I Inhibitors. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 946-954.	2.5	25
81	Cytotoxic triterpenes from the aerial roots of Ficus microcarpa. Phytochemistry, 2005, 66, 495-501.	2.9	126
82	Four New 6-Nor-5(6â†'7)abeo-abietane Type Diterpenes and Antitumoral Cytotoxic Diterpene Constituents from the Bark ofTaiwania cryptomerioides. Planta Medica, 2005, 71, 72-76.	1.3	71
83	BPR0L075, a Novel Synthetic Indole Compound with Antimitotic Activity in Human Cancer Cells, Exerts Effective Antitumoral Activity in Vivo. Cancer Research, 2004, 64, 4621-4628.	0.9	193
84	Salvinal, a Novel Microtubule Inhibitor Isolated from Salvia miltiorrhizae Bunge (Danshen), with Antimitotic Activity in Multidrug-Sensitive and -Resistant Human Tumor Cells. Molecular Pharmacology, 2004, 65, 77-84.	2.3	96
85	Three New Oleanane-Type Triterpenes fromLudwigiaoctovalviswith Cytotoxic Activity against Two Human Cancer Cell Lines. Journal of Natural Products, 2004, 67, 91-93.	3.0	56
86	A novel bis-benzylidenecyclopentanone derivative, BPR0Y007, inducing a rapid caspase activation involving upregulation of Fas (CD95/APO-1) and wild-type p53 in human oral epidermoid carcinoma cells. Biochemical Pharmacology, 2004, 68, 293-293.	4.4	0
87	Suppression of Allergic Reactions by Dehulled Adlay in Association with the Balance of Th1/Th2 Cell Responses. Journal of Agricultural and Food Chemistry, 2003, 51, 3763-3769.	5.2	51
88	Antioxidative 7-Oxodehydropodocarpane-Type Trinorditerpenes from the Bark ofTaiwania cryptomerioides. Planta Medica, 2002, 68, 1020-1023.	1.3	14
89	2,2â€˜-Diphenyl-1-picrylhydrazyl Radical-Scavenging Active Components from Adlay (Coix lachryma-jobiL.) Tj ETQq1 1 0.784314 rgBT	5.2	82
90	Antagonism of Free-Radical-Induced Damage of Adlay Seed and Its Antiproliferative Effect in Human Histolytic Lymphoma U937 Monocytic Cells. Journal of Agricultural and Food Chemistry, 2001, 49, 1564-1570.	5.2	73