Kai-Cheng Hsu

List of Publications by Year
in descending order

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68 papers	1,484 citations	361413 20 h-index	377865 34 g-index
71 all docs	71 docs citations	71 times ranked	2118 citing authors

#	Article	IF	Citations
1	iGEMDOCK: a graphical environment of enhancing GEMDOCK using pharmacological interactions and post-screening analysis. BMC Bioinformatics, 2011, 12, S33.	2.6	335
2	The role of ubiquitin-specific peptidases in cancer progression. Journal of Biomedical Science, 2019, 26, 42.	7.0	95
3	5-Aroylindoles Act as Selective Histone Deacetylase 6 Inhibitors Ameliorating Alzheimerâ€™s Disease Phenotypes. Journal of Medicinal Chemistry, 2018, 61, 7087-7102.	6.4	56
4	DNA Mimic Proteins: Functions, Structures, and Bioinformatic Analysis. Biochemistry, 2014, 53, 2865-2874.	2.5	46
5	Structural Insights into the Cytotoxic Mechanism of Vibrio parahaemolyticus PirAvp and PirBvp Toxins. Marine Drugs, 2017, 15, 373.	4.6	45
6	Dual Inhibition of PIK3C3 and FGFR as a New Therapeutic Approach to Treat Bladder Cancer. Clinical Cancer Research, 2018, 24, 1176-1189.	7.0	43
7	Novel Class IIa-Selective Histone Deacetylase Inhibitors Discovered Using an in Silico Virtual Screening Approach. Scientific Reports, 2017, 7, 3228.	3.3	36
8	Purine/purine isoster based scaffolds as new derivatives of benzamide class of HDAC inhibitors. European Journal of Medicinal Chemistry, 2020, 196, 112291.	5.5	33
9	Staphylococcus aureus protein SAUGI acts as a uracil-DNA glycosylase inhibitor. Nucleic Acids Research, 2014, 42, 1354-1364.	14.5	32
10	1-Arylsulfonyl indoline-benzamides as a new antitubulin agents, with inhibition of histone deacetylase. European Journal of Medicinal Chemistry, 2019, 162, 612-630.	5.5	32
11	Design and synthesis of 1,2,3-triazole-containing N -acyl zanamivir analogs as potent neuraminidase inhibitors. European Journal of Medicinal Chemistry, 2016, 123, 397-406.	5.5	26
12	A Novel Selective JAK2 Inhibitor Identified Using Pharmacological Interactions. Frontiers in Pharmacology, 2018, 9, 1379.	3.5	26
13	Structural Insights to the Heterotetrameric Interaction between the Vibrio parahaemolyticus PirAvp and PirBvp Toxins and Activation of the Cry-Like Pore-Forming Domain. Toxins, 2019, 11, 233.	3.4	26
14	Synthesis and biological evaluation of acridine-based histone deacetylase inhibitors as multitarget agents against Alzheimerâ€™s disease. European Journal of Medicinal Chemistry, 2020, 192, 112193.	5.5	26
15	Isoindoline scaffold-based dual inhibitors of HDAC6 and HSP90 suppressing the growth of lung cancer inÂvitro and inÂvivo. European Journal of Medicinal Chemistry, 2020, 190, 112086.	5.5	25
16	New paradigm of functional regulation by DNA mimic proteins: Recent updates. IUBMB Life, 2019, 71, 539-548.	3.4	24
17	Serial crystallography captures dynamic control of sequential electron and proton transfer events in a flavoenzyme. Nature Chemistry, 2022, 14, 677-685.	13.6	24
18	13-Acetoxysarcocrassolide Exhibits Cytotoxic Activity against Oral Cancer Cells through the Interruption of the Keap1/Nrf2/p62/SQSTM1 Pathway: The Need to Move Beyond Classical Concepts. Marine Drugs, 2020, 18, 382.	4.6	23

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19	CAP rigidification of MS-275 and chidamide leads to enhanced antiproliferative effects mediated through HDAC1, 2 and tubulin polymerization inhibition. European Journal of Medicinal Chemistry, 2021, 215, 113169.	5.5	23
20	Pathway-based Screening Strategy for Multitarget Inhibitors of Diverse Proteins in Metabolic Pathways. PLoS Computational Biology, 2013, 9, e1003127.	3.2	22
21	A Novel Dual HDAC6 and Tubulin Inhibitor, MPT0B451, Displays Anti-tumor Ability in Human Cancer Cells in Vitro and in Vivo. Frontiers in Pharmacology, 2018, 9, 205.	3.5	22
22	The potential of lactulose and melibiose, two novel trehalase-indigestible and autophagy-inducing disaccharides, for polyQ-mediated neurodegenerative disease treatment. NeuroToxicology, 2015, 48, 120-130.	3.0	21
23	Core Site-Moiety Maps Reveal Inhibitors and Binding Mechanisms of Orthologous Proteins by Screening Compound Libraries. PLoS ONE, 2012, 7, e32142.	2.5	20
24	Discovery of aliphatic-chain hydroxamates containing indole derivatives with potent class I histone deacetylase inhibitory activities. European Journal of Medicinal Chemistry, 2018, 143, 792-805.	5.5	20
25	Identification of Inhibitors for the DEDDh Family of Exonucleases and a Unique Inhibition Mechanism by Crystal Structure Analysis of CRN-4 Bound with 2-Morpholin-4-ylethanesulfonate (MES). Journal of Medicinal Chemistry, 2016, 59, 8019-8029.	6.4	19
26	Biological Evaluation of Selected Flavonoids as Inhibitors of MNKs Targeting Acute Myeloid Leukemia. Journal of Natural Products, 2020, 83, 2967-2975.	3.0	16
27	Methyl Protodioscin, a Steroidal Saponin, Inhibits Neointima Formation in Vitro and in Vivo. Journal of Natural Products, 2016, 79, 1635-1644.	3.0	15
28	miR-211 regulates the expression of RRM2 in tumoral metastasis and recurrence in colorectal cancer patients with a k-ras gene mutation. Oncology Letters, 2018, 15, 8107-8117.	1.8	15
29	A novel dual HDAC and HSP90 inhibitor, MPT0G449, downregulates oncogenic pathways in human acute leukemia in vitro and in vivo. Oncogenesis, 2021, 10, 39.	4.9	15
30	Installation of Pargyline, a LSD1 Inhibitor, in the HDAC Inhibitory Template Culminated in the Identification of a Tractable Antiprostate Cancer Agent. Journal of Medicinal Chemistry, 2021, 64, 17824-17845.	6.4	15
31	Using structural-based protein engineering to modulate the differential inhibition effects of SAUGI on human and HSV uracil DNA glycosylase. Nucleic Acids Research, 2016, 44, 4440-4449.	14.5	14
32	Identification of neuraminidase inhibitors against dual H274Y/I222R mutant strains. Scientific Reports, 2017, 7, 12336.	3.3	14
33	Nicotinic Acetylcholine Receptor Subunit Alpha-5 Promotes Radioresistance via Recruiting E2F Activity in Oral Squamous Cell Carcinoma. Journal of Clinical Medicine, 2019, 8, 1454.	2.4	14
34	Amide-tethered quinoline-resorcinol conjugates as a new class of HSP90 inhibitors suppressing the growth of prostate cancer cells. Bioorganic Chemistry, 2019, 91, 103119.	4.1	13
35	Anti-Inflammatory and Tau Phosphorylationâ€“Inhibitory Effects of Eupatin. Molecules, 2020, 25, 5652.	3.8	13
36	Investigation of Selected Flavonoid Derivatives as Potent FLT3 Inhibitors for the Potential Treatment of Acute Myeloid Leukemia. Journal of Natural Products, 2021, 84, 1-10.	3.0	13

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37	Pragmatic recruitment of memantine as the capping group for the design of HDAC inhibitors: A preliminary attempt to unravel the enigma of glioblastoma. European Journal of Medicinal Chemistry, 2021, 217, 113338.	5.5	13
38	Total Synthesis and Metabolic Stability of Hispidulin and Its d-Labelled Derivative. Molecules, 2017, 22, 1897.	3.8	12
39	Leucettamine B analogs and their carborane derivative as potential anti-cancer agents: Design, synthesis, and biological evaluation. Bioorganic Chemistry, 2020, 98, 103729.	4.1	12
40	USP24 promotes drug resistance during cancer therapy. Cell Death and Differentiation, 2021, 28, 2690-2707.	11.2	12
41	Anchor-based classification and type-C inhibitors for tyrosine kinases. Scientific Reports, 2015, 5, 10938.	3.3	11
42	Parallel Screening of Wild-Type and Drug-Resistant Targets for Anti-Resistance Neuraminidase Inhibitors. PLoS ONE, 2013, 8, e56704.	2.5	10
43	Identification of a dual TAOK1 and MAP4K5 inhibitor using a structure-based virtual screening approach. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 98-108.	5.2	10
44	Identification of a dual FLT3 and MNK2 inhibitor for acute myeloid leukemia treatment using a structure-based virtual screening approach. Bioorganic Chemistry, 2022, 121, 105675.	4.1	10
45	Alternative splicing in human cancer cells is modulated by the amiloride derivative 3,5â€diaminoâ€6â€chloroâ€Nâ€(Nâ€(2,6â€dichlorobenzoyl)carbamimidoyl)pyrazineâ€2â€carboxide. Molecular Oncology, 2019, 13, 1744-1762.	4.6	9
46	The monomeric form of Neisseria DNA mimic protein DMP19 prevents DNA from binding to the histone-like HU protein. PLoS ONE, 2017, 12, e0189461.	2.5	8
47	Design of Diarylheptanoid Derivatives as Dual Inhibitors Against Class IIa Histone Deacetylase and Î²-amyloid Aggregation. Frontiers in Pharmacology, 2018, 9, 708.	3.5	8
48	Potent sialic acid inhibitors that target influenza A virus hemagglutinin. Scientific Reports, 2021, 11, 8637.	3.3	8
49	Synthesis and biological evaluation of phenothiazine derivative-containing hydroxamic acids as potent class II histone deacetylase inhibitors. European Journal of Medicinal Chemistry, 2021, 219, 113419.	5.5	8
50	Identification and analysis of a selective DYRK1A inhibitor. Biomedicine and Pharmacotherapy, 2022, 146, 112580.	5.6	8
51	A site-moiety map and virtual screening approach for discovery of novel 5-LOX inhibitors. Scientific Reports, 2020, 10, 10510.	3.3	7
52	Fluoropyrimidin-2,4-dihydroxy-5-isopropylbenzamides as antitumor agents against CRC and NSCLC cancer cells. European Journal of Medicinal Chemistry, 2020, 203, 112540.	5.5	6
53	An oral quinoline derivative, MPT0B392, causes leukemic cells mitotic arrest and overcomes drug resistant cancer cells. Oncotarget, 2017, 8, 27772-27785.	1.8	6
54	The Antileukemic Effect of Xestoquinone, A Marine-Derived Polycyclic Quinone-Type Metabolite, Is Mediated through ROS-Induced Inhibition of HSP-90. Molecules, 2021, 26, 7037.	3.8	6

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55	In vitro characterization of a small molecule PD-1 inhibitor that targets the PD-l/PD-L1 interaction. Scientific Reports, 2022, 12, 303.	3.3	6
56	Functional analysis of Clostridium difficile sortase B reveals key residues for catalytic activity and substrate specificity. Journal of Biological Chemistry, 2020, 295, 3734-3745.	3.4	5
57	Discovery of a novel cyclin-dependent kinase 8 inhibitor with an oxindole core for anti-inflammatory treatment. Biomedicine and Pharmacotherapy, 2022, 146, 112459.	5.6	5
58	O-methylated flavonol as a multi-kinase inhibitor of leukemogenic kinases exhibits a potential treatment for acute myeloid leukemia. Phytomedicine, 2022, 100, 154061.	5.3	5
59	A novel histone deacetylase inhibitor MPT0L184 dysregulates cell-cycle checkpoints and initiates unscheduled mitotic signaling. Biomedicine and Pharmacotherapy, 2021, 138, 111485.	5.6	4
60	Dibenzofuran, 4-Chromanone, Acetophenone, and Dithiecine Derivatives: Cytotoxic Constituents from Eupatorium fortunei. International Journal of Molecular Sciences, 2021, 22, 7448.	4.1	4
61	Investigation of Anti-Tumor Effects of an MLK1 Inhibitor in Prostate and Pancreatic Cancers. Biology, 2021, 10, 742.	2.8	4
62	GemAffinity: a scoring function for predicting binding affinity and Virtual Screening. International Journal of Data Mining and Bioinformatics, 2012, 6, 27.	0.1	3
63	Synthesis of Yakuchinone B-Inspired Inhibitors against Islet Amyloid Polypeptide Aggregation. Journal of Natural Products, 2021, 84, 1096-1103.	3.0	3
64	Targeted Covalent Inhibitors Allosterically Deactivate the DEDDh Lassa Fever Virus NP Exonuclease from Alternative Distal Sites. Jacs Au, 2021, 1, 2315-2327.	7.9	3
65	Structure-based virtual screening and biological evaluation of novel small-molecule BTK inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 226-235.	5.2	3
66	Magnolol, A Novel Antagonist of Thrombin and PAR-1, Inhibits Thrombin-Induced Connective Tissue Growth Factor (CTGF) Expression in Vascular Smooth Muscle Cells and Ameliorate Pathogenesis of Restenosis in Rats. Applied Sciences (Switzerland), 2020, 10, 8729.	2.5	2
67	Structural insight into the differential interactions between the DNA mimic protein SAUGI and two gamma herpesvirus uracil-DNA glycosylases. International Journal of Biological Macromolecules, 2020, 160, 903-914.	7.5	1
68	A Unique Carboxylic-Acid Hydrogen-Bond Network (CAHBN) Confers Glutaminyl Cyclase Activity on M28 Family Enzymes. Journal of Molecular Biology, 2021, 433, 166960.	4.2	1