

# Xian Zeng

## List of Publications by Year in descending order

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42  
papers

2,203  
citations

257450

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265206

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docs citations

42  
times ranked

3569  
citing authors

#	ARTICLE	IF	CITATIONS
1	AggMapNet: enhanced and explainable low-sample omics deep learning with feature-aggregated multi-channel networks. <i>Nucleic Acids Research</i> , 2022, 50, e45-e45.	14.5	9
2	Chinese Medicine Meets Conventional Medicine in Targeting COVID-19 Pathophysiology, Complications and Comorbidities. <i>Chinese Journal of Integrative Medicine</i> , 2022, , .	1.6	1
3	Hedgehog signaling in gastrointestinal carcinogenesis and the gastrointestinal tumor microenvironment. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 609-620.	12.0	48
4	MASI: microbiota-acti"active substance interactions database. <i>Nucleic Acids Research</i> , 2021, 49, D776-D782.	14.5	28
5	IL-22-mediated renal metabolic reprogramming via PFKFB3 to treat kidney injury. <i>Clinical and Translational Medicine</i> , 2021, 11, e324.	4.0	18
6	Targeting the autophagy promoted antitumor effect of T-DM1 on HER2-positive gastric cancer. <i>Cell Death and Disease</i> , 2021, 12, 288.	6.3	11
7	Out-of-the-box deep learning prediction of pharmaceutical properties by broadly learned knowledge-based molecular representations. <i>Nature Machine Intelligence</i> , 2021, 3, 334-343.	16.0	66
8	Interleukin-22 drives a metabolic adaptive reprogramming to maintain mitochondrial fitness and treat liver injury. <i>Theranostics</i> , 2020, 10, 5879-5894.	10.0	22
9	Improved Prediction of Aqueous Solubility of Novel Compounds by Going Deeper With Deep Learning. <i>Frontiers in Oncology</i> , 2020, 10, 121.	2.8	49
10	Regulating autophagy facilitated therapeutic efficacy of the sonic Hedgehog pathway inhibition on lung adenocarcinoma through GLI2 suppression and ROS production. <i>Cell Death and Disease</i> , 2019, 10, 626.	6.3	27
11	Novel hybrids of podophyllotoxin and formononetin inhibit the growth, migration and invasion of lung cancer cells. <i>Bioorganic Chemistry</i> , 2019, 85, 445-454.	4.1	19
12	CMAUP: a database of collective molecular activities of useful plants. <i>Nucleic Acids Research</i> , 2019, 47, D1118-D1127.	14.5	68
13	Design, synthesis, and biological evaluation of indole carboxylic acid esters of podophyllotoxin as antiproliferative agents. <i>Medicinal Chemistry Research</i> , 2019, 28, 81-94.	2.4	9
14	NPASS: natural product activity and species source database for natural product research, discovery and tool development. <i>Nucleic Acids Research</i> , 2018, 46, D1217-D1222.	14.5	177
15	Therapeutic target database update 2018: enriched resource for facilitating bench-to-clinic research of targeted therapeutics. <i>Nucleic Acids Research</i> , 2018, 46, D1121-D1127.	14.5	462
16	Hedgehog Signaling Pathway and Autophagy in Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2279.	4.1	81
17	A protein network descriptor server and its use in studying protein, disease, metabolic and drug targeted networks. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw071.	6.5	34
18	Discovery of novel dual VEGFR2 and Src inhibitors using a multistep virtual screening approach. <i>Future Medicinal Chemistry</i> , 2017, 9, 7-24.	2.3	11

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19	Database and Bioinformatics Studies of Probiotics. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7599-7606.	5.2	18
20	Pharmacological relationships and ligand discovery of G protein-coupled receptors revealed by simultaneous ligand and receptor clustering. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 76, 136-142.	2.4	1
21	PROFEAT Update: A Protein Features Web Server with Added Facility to Compute Network Descriptors for Studying Omics-Derived Networks. <i>Journal of Molecular Biology</i> , 2017, 429, 416-425.	4.2	36
22	HEROD: a human ethnic and regional specific omics database. <i>Bioinformatics</i> , 2017, 33, 3276-3282.	4.1	3
23	A Multisite- $\beta$ -Binding Switchable Fluorescent Probe for Monitoring Mitochondrial ATP Level Fluctuation in Live Cells. <i>Angewandte Chemie</i> , 2016, 128, 1805-1808.	2.0	38
24	A Multisite- $\beta$ -Binding Switchable Fluorescent Probe for Monitoring Mitochondrial ATP Level Fluctuation in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1773-1776.	13.8	158
25	A novel therapeutic approach against B-cell non-Hodgkin's lymphoma through co-inhibition of Hedgehog signaling pathway and autophagy. <i>Tumor Biology</i> , 2016, 37, 7305-7314.	1.8	10
26	Blocking autophagy enhanced leukemia cell death induced by recombinant human arginase. <i>Tumor Biology</i> , 2016, 37, 6627-6635.	1.8	19
27	Inhibition of autophagy overcomes the nanotoxicity elicited by cadmium-based quantum dots. <i>Biomaterials</i> , 2016, 78, 102-114.	11.4	91
28	SVM-Prot 2016: A Web-Server for Machine Learning Prediction of Protein Functional Families from Sequence Irrespective of Similarity. <i>PLoS ONE</i> , 2016, 11, e0155290.	2.5	98
29	Targeting Hedgehog signaling pathway and autophagy overcomes drug resistance of BCR-ABL-positive chronic myeloid leukemia. <i>Autophagy</i> , 2015, 11, 355-372.	9.1	87
30	CFam: a chemical families database based on iterative selection of functional seeds and seed-directed compound clustering. <i>Nucleic Acids Research</i> , 2015, 43, D558-D565.	14.5	6
31	Inhibition of autophagy protects against PAMAM dendrimers-induced hepatotoxicity. <i>Nanotoxicology</i> , 2015, 9, 344-355.	3.0	48
32	Asparaginase induces apoptosis and cytoprotective autophagy in chronic myeloid leukemia cells. <i>Oncotarget</i> , 2015, 6, 3861-3873.	1.8	87
33	Blocking autophagy enhanced cytotoxicity induced by recombinant human arginase in triple-negative breast cancer cells. <i>Cell Death and Disease</i> , 2014, 5, e1563-e1563.	6.3	53
34	Involvement of autophagy in recombinant human arginase-induced cell apoptosis and growth inhibition of malignant melanoma cells. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2485-2494.	3.6	26
35	Tumor necrosis therapy antibody interleukin-2 fusion protein elicits prolonged and targeted antitumor effects in vivo. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4053-4061.	3.6	7
36	Cationic poly(amidoamine) dendrimers induced cyto-protective autophagy in hepatocellular carcinoma cells. <i>Nanotechnology</i> , 2014, 25, 365101.	2.6	31

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37	Tyrosine kinase inhibitor Thiotanib targets Bcr-Abl and induces apoptosis and autophagy in human chronic myeloid leukemia cells. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9763-9775.	3.6	5
38	The role of autophagy in the neurotoxicity of cationic PAMAM dendrimers. <i>Biomaterials</i> , 2014, 35, 7588-7597.	11.4	103
39	Suppression of Autophagy Enhanced Growth Inhibition and Apoptosis of Interferon- $\beta$ in Human Glioma Cells. <i>Molecular Neurobiology</i> , 2013, 47, 1000-1010.	4.0	63
40	Recombinant human arginase induced caspase-dependent apoptosis and autophagy in non-Hodgkin's lymphoma cells. <i>Cell Death and Disease</i> , 2013, 4, e840-e840.	6.3	47
41	Autophagy Plays a Critical Role in ChLym-1-Induced Cytotoxicity of Non-Hodgkin's Lymphoma Cells. <i>PLoS ONE</i> , 2013, 8, e72478.	2.5	21
42	An Auction Based Joint Radio Resource Management Scheme and Architecture in a Multi-Operator Scenario. <i>IEEE Vehicular Technology Conference</i> , 2008, , .	0.4	7