

# Xuan Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72  
papers

2,137  
citations

27  
h-index

44  
g-index

80  
ext. papers

2,886  
ext. citations

7.1  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
72	GCEN: An Easy-to-Use Toolkit for Gene Co-Expression Network Analysis and lncRNAs Annotation. <i>Current Issues in Molecular Biology</i> , <b>2022</b> , 44, 1479-1487	2.9	0
71	Maternal exposure to ambient PM causes fetal growth restriction via the inhibition of spiral artery remodeling in mice.. <i>Ecotoxicology and Environmental Safety</i> , <b>2022</b> , 237, 113512	7	0
70	Development of a BCL-xL and BCL-2 dual degrader with improved anti-leukemic activity. <i>Nature Communications</i> , <b>2021</b> , 12, 6896	17.4	7
69	Overcoming Gemcitabine Resistance in Pancreatic Cancer Using the BCL-X-Specific Degradator DT2216. <i>Molecular Cancer Therapeutics</i> , <b>2021</b> ,	6.1	5
68	Leveraging histone modifications to improve genome annotations. <i>G3: Genes, Genomes, Genetics</i> , <b>2021</b> , 11,	3.2	4
67	Concise Synthesis of (-)-ECEHC, a Metabolite of Vitamin E. <i>ACS Omega</i> , <b>2021</b> , 6, 4355-4361	3.9	1
66	Proteolysis-targeting chimera against BCL-X destroys tumor-infiltrating regulatory T cells. <i>Nature Communications</i> , <b>2021</b> , 12, 1281	17.4	13
65	Discovery of a Novel BCL-X PROTAC Degradator with Enhanced BCL-2 Inhibition. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 14230-14246	8.3	4
64	Profiling single-cell chromatin accessibility in plants. <i>STAR Protocols</i> , <b>2021</b> , 2, 100737	1.4	0
63	Assays and technologies for developing proteolysis targeting chimera degraders. <i>Future Medicinal Chemistry</i> , <b>2020</b> , 12, 1155-1179	4.1	13
62	PROteolysis TARgeting Chimeras (PROTACs) as emerging anticancer therapeutics. <i>Oncogene</i> , <b>2020</b> , 39, 4909-4924	9.2	62
61	Discovery of IAP-recruiting BCL-X PROTACs as potent degraders across multiple cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 199, 112397	6.8	20
60	Discovery of PROTAC BCL-X degraders as potent anticancer agents with low on-target platelet toxicity. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 192, 112186	6.8	37
59	Inhibition of USP7 activity selectively eliminates senescent cells in part via restoration of p53 activity. <i>Aging Cell</i> , <b>2020</b> , 19, e13117	9.9	30
58	A Large Transposon Insertion in the Promoter Increases Stalk Strength in Maize. <i>Plant Cell</i> , <b>2020</b> , 32, 152-165	11.6	14
57	Synthesis and Liver Microsomal Metabolic Stability Studies of a Fluorine-Substituted Tocotrienol Derivative. <i>ChemMedChem</i> , <b>2020</b> , 15, 506-516	3.7	4
56	Using proteolysis-targeting chimera technology to reduce navitoclax platelet toxicity and improve its senolytic activity. <i>Nature Communications</i> , <b>2020</b> , 11, 1996	17.4	73

55	PROTACs are effective in addressing the platelet toxicity associated with BCL-X inhibitors. <i>Exploration of Targeted Anti-tumor Therapy</i> , <b>2020</b> , 1, 259-272	2.5	2
54	Discovery of histone deacetylase 3 (HDAC3)-specific PROTACs. <i>Chemical Communications</i> , <b>2020</b> , 56, 9866-9869	5.8	24
53	DT2216-a Bcl-xL-specific degrader is highly active against Bcl-xL-dependent T cell lymphomas. <i>Journal of Hematology and Oncology</i> , <b>2020</b> , 13, 95	22.4	26
52	The computational approaches of lncRNA identification based on coding potential: and challenges. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 3666-3677	6.8	6
51	Proteolysis targeting chimeras (PROTACs) are emerging therapeutics for hematologic malignancies. <i>Journal of Hematology and Oncology</i> , <b>2020</b> , 13, 103	22.4	26
50	Recent advances in small molecular modulators targeting histone deacetylase 6. <i>Future Drug Discovery</i> , <b>2020</b> , 2, FDD53	2	6
49	Deuteration of the farnesyl terminal methyl groups of Eocotrienol and its effects on the metabolic stability and ability of inducing G-CSF production. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115498	3.4	4
48	krn1, a major quantitative trait locus for kernel row number in maize. <i>New Phytologist</i> , <b>2019</b> , 223, 1634-1646	16.6	21
47	DT2216, a BCL-XL Proteolysis Targeting Chimera (PROTAC), Is a Potent Anti T-Cell Lymphoma Agent That Does Not Induce Significant Thrombocytopenia. <i>Blood</i> , <b>2019</b> , 134, 303-303	2.2	1
46	Targeting BCL-XL By Protac DT2216 Effectively Eliminates Leukemia Cells in T-ALL Pre-Clinical Models. <i>Blood</i> , <b>2019</b> , 134, 3870-3870	2.2	1
45	Utilizing PROTAC technology to address the on-target platelet toxicity associated with inhibition of BCL-X. <i>Chemical Communications</i> , <b>2019</b> , 55, 14765-14768	5.8	37
44	A selective BCL-X PROTAC degrader achieves safe and potent antitumor activity. <i>Nature Medicine</i> , <b>2019</b> , 25, 1938-1947	50.5	157
43	The tin1 gene retains the function of promoting tillering in maize. <i>Nature Communications</i> , <b>2019</b> , 10, 5608	17.4	22
42	A new allele of the Brachytic2 gene in maize can efficiently modify plant architecture. <i>Heredity</i> , <b>2018</b> , 121, 75-86	3.6	17
41	New histone demethylase LSD1 inhibitor selectively targets teratocarcinoma and embryonic carcinoma cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 1523-1537	3.4	14
40	The genetic architecture of nodal root number in maize. <i>Plant Journal</i> , <b>2018</b> , 93, 1032-1044	6.9	31
39	Association of the peripheral blood levels of circulating microRNAs with both recurrent miscarriage and the outcomes of embryo transfer in an in vitro fertilization process. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 186	8.5	35
38	Senolytic activity of piperlongumine analogues: Synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 3925-3938	3.4	27

37	Increased Expression of NDRG3 in Mouse Uterus During Embryo Implantation and in Mouse Endometrial Stromal Cells During In Vitro Decidualization. <i>Reproductive Sciences</i> , <b>2018</b> , 25, 1197-1207	3	5
36	QTL mapping in a maize F population using Genotyping-by-Sequencing and a modified fine-mapping strategy. <i>Plant Science</i> , <b>2018</b> , 276, 171-180	5.3	11
35	Oxidation resistance 1 is a novel senolytic target. <i>Aging Cell</i> , <b>2018</b> , 17, e12780	9.9	66
34	De novo RNA sequence assembly during in vivo inflammatory stress reveals hundreds of unannotated lincRNAs in human blood CD14 monocytes and in adipose tissue. <i>Physiological Genomics</i> , <b>2017</b> , 49, 287-305	3.6	8
33	Deep RNA Sequencing Uncovers a Repertoire of Human Macrophage Long Intergenic Noncoding RNAs Modulated by Macrophage Activation and Associated With Cardiometabolic Diseases. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	27
32	Novel Linear Lipopeptide Paenipeptins with Potential for Eradicating Biofilms and Sensitizing Gram-Negative Bacteria to Rifampicin and Clarithromycin. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 9630-9640	8.2	19
31	Synthesis of (2,8T,3T)- $\beta$ -ocodienol, a tocoflexol family member designed to have a superior pharmacokinetic profile compared to $\beta$ -ocotrienol. <i>Tetrahedron</i> , <b>2016</b> , 72, 4001-4006	2.4	6
30	Genome-wide interrogation reveals hundreds of long intergenic noncoding RNAs that associate with cardiometabolic traits. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 3125-3141	5.6	25
29	Uterine Expression of NDRG4 Is Induced by Estrogen and Up-Regulated during Embryo Implantation Process in Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155491	3.7	7
28	Discovery of piperlongumine as a potential novel lead for the development of senolytic agents. <i>Aging</i> , <b>2016</b> , 8, 2915-2926	5.6	131
27	Design, Synthesis, and Biological Evaluation of New Cathepsin B-Sensitive Camptothecin Nanoparticles Equipped with a Novel Multifunctional Linker. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 1267-75	6.3	31
26	Knockout of Adamts7, a novel coronary artery disease locus in humans, reduces atherosclerosis in mice. <i>Circulation</i> , <b>2015</b> , 131, 1202-1213	16.7	80
25	Parallel Domestication of the Heading Date 1 Gene in Cereals. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 2726-37	8.3	40
24	Design, synthesis and biological evaluation of colchicine derivatives as novel tubulin and histone deacetylase dual inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 95, 127-35	6.8	60
23	Synthesis of O- and N-alkylated products of 1,2,3,4-tetrahydrobenzo[ <i>a</i> ][2,7]naphthyrin-5(6)-one. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 6472-6474	2	1
22	Muscarinic acetylcholine receptor binding affinities of pethidine analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 5032-5	2.9	2
21	NIR absorbing DICPO derivatives applied to wide range of pH and detection of glutathione in tumor. <i>Tetrahedron</i> , <b>2015</b> , 71, 7865-7868	2.4	16
20	The long noncoding RNA landscape in hypoxic and inflammatory renal epithelial injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 309, F901-13	4.3	57

19	Exogenous 17- $\beta$ -Estradiol administration blunts progression of established angiotensin II-induced abdominal aortic aneurysms in female ovariectomized mice. <i>Biology of Sex Differences</i> , <b>2015</b> , 6, 12	9.3	17
18	Castration of male mice prevents the progression of established angiotensin II-induced abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , <b>2015</b> , 61, 767-76	3.5	37
17	A near-infrared fluorescent probe for rapid detection of hydrogen peroxide in living cells. <i>Tetrahedron</i> , <b>2015</b> , 71, 4842-4845	2.4	31
16	Design, synthesis and biological evaluation of C(6)-indole celastrol derivatives as potential antitumor agents. <i>RSC Advances</i> , <b>2015</b> , 5, 19620-19623	3.7	14
15	Discovery of M5 Muscarinic Acetylcholine Receptor Antagonists: 1-Methyl-4-Phenylpiperidine Analogs. <i>FASEB Journal</i> , <b>2015</b> , 29, 768.17	0.9	
14	Design, synthesis, and biological evaluation of a new class of MT2-selective agonists. <i>RSC Advances</i> , <b>2014</b> , 4, 25871-25874	3.7	2
13	Angiotensin-converting enzyme 2 decreases formation and severity of angiotensin II-induced abdominal aortic aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2617-23	9.4	42
12	Design, synthesis and biological evaluation of 4?-demethyl-4-deoxypodophyllotoxin derivatives as novel tubulin and histone deacetylase dual inhibitors. <i>RSC Advances</i> , <b>2014</b> , 4, 40444-40448	3.7	9
11	The discovery and optimization of novel dual inhibitors of topoisomerase II and histone deacetylase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 6981-95	3.4	29
10	The discovery of colchicine-SAHA hybrids as a new class of antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 3240-4	3.4	51
9	The design and synthesis of a new class of RTK/HDAC dual-targeted inhibitors. <i>Molecules</i> , <b>2013</b> , 18, 6491-503	14.5	23
8	Endogenous androgen deficiency enhances diet-induced hypercholesterolemia and atherosclerosis in low-density lipoprotein receptor-deficient mice. <i>Gender Medicine</i> , <b>2012</b> , 9, 319-28		15
7	Stereoselective Synthesis of Melatonin Receptor Agonist Ramelteon via Asymmetric Michael Addition. <i>Heterocycles</i> , <b>2012</b> , 85, 73	0.8	4
6	Angiotensin converting enzyme 2 contributes to sex differences in the development of obesity hypertension in C57BL/6 mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1392-9	9.4	143
5	Transient exposure of neonatal female mice to testosterone abrogates the sexual dimorphism of abdominal aortic aneurysms. <i>Circulation Research</i> , <b>2012</b> , 110, e73-85	15.7	51
4	Polychlorinated biphenyl 77 augments angiotensin II-induced atherosclerosis and abdominal aortic aneurysms in male apolipoprotein E deficient mice. <i>Toxicology and Applied Pharmacology</i> , <b>2011</b> , 257, 148-54	4.6	21
3	Angiotensin-converting enzyme 2 deficiency in whole body or bone marrow-derived cells increases atherosclerosis in low-density lipoprotein receptor-/- mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 758-65	9.4	62
2	ANG II infusion promotes abdominal aortic aneurysms independent of increased blood pressure in hypercholesterolemic mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H1660-5	5.2	156

- 1 Androgen increases AT1a receptor expression in abdominal aortas to promote angiotensin II-induced AAAs in apolipoprotein E-deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2008**, 28, 1251-6

9.4 80