Xiaoyu Zhang

List of Publications by Year in Descending Order

38 papers	1,149 citations	19 h-index	33 g-index
44 ext. papers	1,557 ext. citations	9.8 avg, IF	4.7 L-index

#	Paper	IF	Citations
38	Expanding the landscape of E3 ligases for targeted protein degradation. *Current Research in Chemical Biology*, **2022**, 2, 100020		1
37	DCAF11 Supports Targeted Protein Degradation by Electrophilic Proteolysis-Targeting Chimeras. *Journal of the American Chemical Society*, **2021**, 143, 5141-5149	16.4	23
36	Chemical Inhibition of ENL/AF9 YEATS Domains in Acute Leukemia. *ACS Central Science*, **2021**, 7, 815-830	16.8	12
35	SPIN4 Is a Principal Endogenous Substrate of the E3 Ubiquitin Ligase DCAF16. *Biochemistry*, **2021**, 60, 637-642	3.2	3
34	High-Throughput Enzyme Assay for Screening Inhibitors of the ZDHHC3/7/20 Acyltransferases. *ACS Chemical Biology*, **2021**, 16, 1318-1324	4.9	0
33	NMT1 and NMT2 are lysine myristoyltransferases regulating the ARF6 GTPase cycle. *Nature Communications*, **2020**, 11, 1067	17.4	28
32	A Chemical Proteomic Probe for the Mitochondrial Pyruvate Carrier Complex. *Angewandte Chemie*, **2020**, 132, 3924-3927	3.6	
31	A Chemical Proteomic Probe for the Mitochondrial Pyruvate Carrier Complex. *Angewandte Chemie - International Edition*, **2020**, 59, 3896-3899	16.4	6
30	An Activity-Guided Map of Electrophile-Cysteine Interactions in Primary Human T Cells. *Cell*, **2020**, 182, 1009-1026.e29	56.2	57
29	Chemical Proteomics for Expanding the Druggability of Human Disease. *ChemBioChem*, **2020**, 21, 3319-3320	3.2	1
28	SIRT2 and Lysine Fatty Acylation Regulate the Activity of RalB and Cell Migration. *ACS Chemical Biology*, **2019**, 14, 2014-2023	4.9	19
27	Electrophilic PROTACs that degrade nuclear proteins by engaging DCAF16. *Nature Chemical Biology* , **2019**, 15, 737-746	11.7	154
26	Loss of Sirtuin 1 Alters the Secretome of Breast Cancer Cells by Impairing Lysosomal Integrity. *Developmental Cell*, **2019**, 49, 393-408.e7	10.2	66
25	A Small-Molecule SIRT2 Inhibitor That Promotes K-Ras4a Lysine Fatty-Acylation. *ChemMedChem*, **2019**, 14, 744-748	3.7	25
24	HDAC11 regulates type I interferon signaling through defatty-acylation of SHMT2. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 5487-5492	11.5	79
23	Comparative Nucleotide-Dependent Interactome Analysis Reveals Shared and Differential Properties of KRas4a and KRas4b. *ACS Central Science*, **2018**, 4, 71-80	16.8	11
22	Protein Lipidation: Occurrence, Mechanisms, Biological Functions, and Enabling Technologies. *Chemical Reviews*, **2018**, 118, 919-988	68.1	166

21	Direct Comparison of SIRT2 Inhibitors: Potency, Specificity, Activity-Dependent Inhibition, and On-Target Anticancer Activities. *ChemMedChem*, **2018**, 13, 1890-1894	3.7	28
20	HPLC-Based Enzyme Assays for Sirtuins. *Methods in Molecular Biology*, **2018**, 1813, 225-234	1.4	2
19	SIRT6 regulates Ras-related protein R-Ras2 by lysine defatty-acylation. *ELife*, **2017**, 6,	8.9	45
18	SIRT2 and lysine fatty acylation regulate the transforming activity of K-Ras4a. *ELife*, **2017**, 6,	8.9	45
17	Identifying the functional contribution of the defatty-acylase activity of SIRT6. *Nature Chemical Biology*, **2016**, 12, 614-20	11.7	68
16	Lysine fatty acylation promotes lysosomal targeting of TNF-α. *Scientific Reports*, **2016**, 6, 24371	4.9	24
15	SIRT7 Is Activated by DNA and Deacetylates Histone H3 in the Chromatin Context. *ACS Chemical Biology*, **2016**, 11, 742-7	4.9	41
14	SIRT2 Reverses 4-Oxononanoyl Lysine Modification on Histones. *Journal of the American Chemical Society*, **2016**, 138, 12304-7	16.4	51
13	Thiomyristoyl peptides as cell-permeable Sirt6 inhibitors. *Organic and Biomolecular Chemistry*, **2014**, 12, 7498-502	3.9	59
12	Improving the NQO1-inducing activities of phenolic acids from radix Salvia miltiorrhiza: a methylation strategy. *Chemical Biology and Drug Design*, **2011**, 78, 558-66	2.9	3
11	A deuterium-labelling mass spectrometry-tandem diode-array detector screening method for rapid discovery of naturally occurring electrophiles. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 3463-71	4.4	4
10	Terpenoids from Tripterygium wilfordii. *Phytochemistry*, **2011**, 72, 1482-7	4	32
9	Characterization of aromatase binding agents from the dichloromethane extract of Corydalis yanhusuo using ultrafiltration and liquid chromatography tandem mass spectrometry. *Molecules*, **2010**, 15, 3556-66	4.8	14
8	A new fluorescein isothiocyanate-based screening method for the rapid discovery of electrophilic compounds. *Analytical Methods*, **2010**, 2, 1472	3.2	2
7	PYDDT, a novel phase 2 enzymes inducer, activates Keap1-Nrf2 pathway via depleting the cellular level of glutathione. *Toxicology Letters*, **2010**, 199, 93-101	4.4	17
6	2-(penta-1,3-diynyl)-5-(3,4-dihydroxybut-1-ynyl)thiophene, a novel NQO1 inducing agent from Echinops grijsii Hance. *Molecules*, **2010**, 15, 5273-81	4.8	11
5	Characterization of bioactive thiophenes from the dichloromethane extract of Echinops grijisii as Michael addition acceptors. *Analytical and Bioanalytical Chemistry*, **2010**, 397, 1975-84	4.4	12
4	A secoiridoid with quinone reductase inducing activity from Cortex fraxini. *Fitoterapia*, **2010**, 81, 834-7	3.2	8

3	Three lignans and one coumarinolignoid with quinone reductase activity from Eurycorymbus cavaleriei. *Fitoterapia*, **2009**, 80, 320-6	3.2	5
2	Seven new benzeneacetic acid derivatives and their quinone reductase activity from Eurycorymbus cavaleriei. *Phytochemistry Letters*, **2009**, 2, 152-158	1.9	6
1	Characterization of chemopreventive agents from the dichloromethane extract of Eurycorymbus cavaleriei by liquid chromatography-ion trap mass spectrometry. *Journal of Chromatography A*, **2009**, 1216, 4859-67	4.5	20