

Xiaoyu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,969
citations

331538

21
h-index

315616

38
g-index

44
all docs

44
docs citations

44
times ranked

2451
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Lipidation: Occurrence, Mechanisms, Biological Functions, and Enabling Technologies. <i>Chemical Reviews</i> , 2018, 118, 919-988.	23.0	312
2	Electrophilic PROTACs that degrade nuclear proteins by engaging DCAF16. <i>Nature Chemical Biology</i> , 2019, 15, 737-746.	3.9	282
3	An Activity-Guided Map of Electrophile-Cysteine Interactions in Primary Human T Cells. <i>Cell</i> , 2020, 182, 1009-1026.e29.	13.5	194
4	HDAC11 regulates type I interferon signaling through defatty-acylation of SHMT2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5487-5492.	3.3	121
5	Loss of Sirtuin 1 Alters the Secretome of Breast Cancer Cells by Impairing Lysosomal Integrity. <i>Developmental Cell</i> , 2019, 49, 393-408.e7.	3.1	102
6	DCAF11 Supports Targeted Protein Degradation by Electrophilic Proteolysis-Targeting Chimeras. <i>Journal of the American Chemical Society</i> , 2021, 143, 5141-5149.	6.6	86
7	Identifying the functional contribution of the defatty-acylase activity of SIRT6. <i>Nature Chemical Biology</i> , 2016, 12, 614-620.	3.9	79
8	Thiomristoyl peptides as cell-permeable Sirt6 inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7498-7502.	1.5	70
9	SIRT2 and lysine fatty acylation regulate the transforming activity of K-Ras4a. <i>ELife</i> , 2017, 6, .	2.8	70
10	SIRT2 Reverses 4-Oxononanoyl Lysine Modification on Histones. <i>Journal of the American Chemical Society</i> , 2016, 138, 12304-12307.	6.6	65
11	SIRT6 regulates Ras-related protein R-Ras2 by lysine defatty-acylation. <i>ELife</i> , 2017, 6, .	2.8	62
12	NMT1 and NMT2 are lysine myristoyltransferases regulating the ARF6 GTPase cycle. <i>Nature Communications</i> , 2020, 11, 1067.	5.8	62
13	SIRT7 Is Activated by DNA and Deacetylates Histone H3 in the Chromatin Context. <i>ACS Chemical Biology</i> , 2016, 11, 742-747.	1.6	57
14	Chemical Inhibition of ENL/AF9 YEATS Domains in Acute Leukemia. <i>ACS Central Science</i> , 2021, 7, 815-830.	5.3	46
15	Direct Comparison of SIRT2 Inhibitors: Potency, Specificity, Activity-Dependent Inhibition, and On-Target Anticancer Activities. <i>ChemMedChem</i> , 2018, 13, 1890-1894.	1.6	38
16	A Small-Molecule SIRT2 Inhibitor That Promotes K-Ras4a Lysine Fatty-Acylation. <i>ChemMedChem</i> , 2019, 14, 744-748.	1.6	36
17	Terpenoids from <i>Tripterygium wilfordii</i> . <i>Phytochemistry</i> , 2011, 72, 1482-1487.	1.4	35
18	Lysine fatty acylation promotes lysosomal targeting of TNF- α . <i>Scientific Reports</i> , 2016, 6, 24371.	1.6	30

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19	Comparative Nucleotide-Dependent Interactome Analysis Reveals Shared and Differential Properties of KRas4a and KRas4b. <i>ACS Central Science</i> , 2018, 4, 71-80.	5.3	25
20	SIRT2 and Lysine Fatty Acylation Regulate the Activity of RalB and Cell Migration. <i>ACS Chemical Biology</i> , 2019, 14, 2014-2023.	1.6	25
21	Expanding the landscape of E3 ligases for targeted protein degradation. <i>Current Research in Chemical Biology</i> , 2022, 2, 100020.	1.4	23
22	Characterization of chemopreventive agents from the dichloromethane extract of <i>Eurycorymbus cavaleriei</i> by liquid chromatography-ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 4859-4867.	1.8	22
23	PYDDT, a novel phase 2 enzymes inducer, activates Keap1-Nrf2 pathway via depleting the cellular level of glutathione. <i>Toxicology Letters</i> , 2010, 199, 93-101.	0.4	19
24	Characterization of Aromatase Binding Agents from the Dichloromethane Extract of <i>Corydalis yanhusuo</i> Using Ultrafiltration and Liquid Chromatography Tandem Mass Spectrometry. <i>Molecules</i> , 2010, 15, 3556-3566.	1.7	16
25	Characterization of bioactive thiophenes from the dichloromethane extract of <i>Echinops grijisii</i> as Michael addition acceptors. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1975-1984.	1.9	13
26	2-(Penta-1,3-diynyl)-5-(3,4-dihydroxybut-1-ynyl)thiophene, a Novel NQO1 Inducing Agent from <i>Echinops grijisii</i> Hance. <i>Molecules</i> , 2010, 15, 5273-5281.	1.7	11
27	A secoiridoid with quinone reductase inducing activity from <i>Cortex fraxini</i> . <i>Fä-toterapÄ-Äç</i> , 2010, 81, 834-837.	1.1	10
28	A Chemical Proteomic Probe for the Mitochondrial Pyruvate Carrier Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3896-3899.	7.2	10
29	SPIN4 Is a Principal Endogenous Substrate of the E3 Ubiquitin Ligase DCAF16. <i>Biochemistry</i> , 2021, 60, 637-642.	1.2	7
30	Three lignans and one coumarinolignoid with quinone reductase activity from <i>Eurycorymbus cavaleriei</i> . <i>Fä-toterapÄ-Äç</i> , 2009, 80, 320-326.	1.1	6
31	Seven new benzeneacetic acid derivatives and their quinone reductase activity from <i>Eurycorymbus cavaleriei</i> . <i>Phytochemistry Letters</i> , 2009, 2, 152-158.	0.6	6
32	High-Throughput Enzyme Assay for Screening Inhibitors of the ZDHHC3/7/20 Acyltransferases. <i>ACS Chemical Biology</i> , 2021, 16, 1318-1324.	1.6	6
33	A deuterium-labelling mass spectrometry-tandem diode-array detector screening method for rapid discovery of naturally occurring electrophiles. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3463-3471.	1.9	5
34	HPLC-Based Enzyme Assays for Sirtuins. <i>Methods in Molecular Biology</i> , 2018, 1813, 225-234.	0.4	4
35	A Proteomic Approach Identifies Isoform-Specific and Nucleotide-Dependent RAS Interactions. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100268.	2.5	4
36	Improving the NQO1-Inducing Activities of Phenolic Acids from <i>Radix Salvia miltiorrhiza</i> : a Methylation Strategy. <i>Chemical Biology and Drug Design</i> , 2011, 78, 558-566.	1.5	3

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37	Chemical Proteomics for Expanding the Druggability of Human Disease. <i>ChemBioChem</i> , 2020, 21, 3319-3320.	1.3	3
38	A new fluorescein isothiocyanate-based screening method for the rapid discovery of electrophilic compounds. <i>Analytical Methods</i> , 2010, 2, 1472.	1.3	2
39	A Chemical Proteomic Probe for the Mitochondrial Pyruvate Carrier Complex. <i>Angewandte Chemie</i> , 2020, 132, 3924-3927.	1.6	0