

Xiaoyu Zhang

List of Publications by Citations

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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.

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|-------------------|-------------------------|----------------|----------------|
| 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 | Protein Lipidation: Occurrence, Mechanisms, Biological Functions, and Enabling Technologies. <i>Chemical Reviews</i> , 2018 , 118, 919-988 | 68.1 | 166 |
| 37 | Electrophilic PROTACs that degrade nuclear proteins by engaging DCAF16. <i>Nature Chemical Biology</i> , 2019 , 15, 737-746 | 11.7 | 154 |
| 36 | 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 | 11.5 | 79 |
| 35 | Identifying the functional contribution of the defatty-acylase activity of SIRT6. <i>Nature Chemical Biology</i> , 2016 , 12, 614-20 | 11.7 | 68 |
| 34 | Loss of Sirtuin 1 Alters the Secretome of Breast Cancer Cells by Impairing Lysosomal Integrity. <i>Developmental Cell</i> , 2019 , 49, 393-408.e7 | 10.2 | 66 |
| 33 | Thiomristoyl peptides as cell-permeable Sirt6 inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 7498-502 | 3.9 | 59 |
| 32 | An Activity-Guided Map of Electrophile-Cysteine Interactions in Primary Human T Cells. <i>Cell</i> , 2020 , 182, 1009-1026.e29 | 56.2 | 57 |
| 31 | SIRT2 Reverses 4-Oxononanoyl Lysine Modification on Histones. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12304-7 | 16.4 | 51 |
| 30 | SIRT6 regulates Ras-related protein R-Ras2 by lysine defatty-acylation. <i>ELife</i> , 2017 , 6, | 8.9 | 45 |
| 29 | SIRT2 and lysine fatty acylation regulate the transforming activity of K-Ras4a. <i>ELife</i> , 2017 , 6, | 8.9 | 45 |
| 28 | SIRT7 Is Activated by DNA and Deacetylates Histone H3 in the Chromatin Context. <i>ACS Chemical Biology</i> , 2016 , 11, 742-7 | 4.9 | 41 |
| 27 | Terpenoids from <i>Tripterygium wilfordii</i> . <i>Phytochemistry</i> , 2011 , 72, 1482-7 | 4 | 32 |
| 26 | NMT1 and NMT2 are lysine myristoyltransferases regulating the ARF6 GTPase cycle. <i>Nature Communications</i> , 2020 , 11, 1067 | 17.4 | 28 |
| 25 | Direct Comparison of SIRT2 Inhibitors: Potency, Specificity, Activity-Dependent Inhibition, and On-Target Anticancer Activities. <i>ChemMedChem</i> , 2018 , 13, 1890-1894 | 3.7 | 28 |
| 24 | A Small-Molecule SIRT2 Inhibitor That Promotes K-Ras4a Lysine Fatty-Acylation. <i>ChemMedChem</i> , 2019 , 14, 744-748 | 3.7 | 25 |
| 23 | Lysine fatty acylation promotes lysosomal targeting of TNF- α . <i>Scientific Reports</i> , 2016 , 6, 24371 | 4.9 | 24 |
| 22 | DCAF11 Supports Targeted Protein Degradation by Electrophilic Proteolysis-Targeting Chimeras. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5141-5149 | 16.4 | 23 |

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|----|---|------|----|
| 21 | 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, 4859-67 | 4.5 | 20 |
| 20 | SIRT2 and Lysine Fatty Acylation Regulate the Activity of RalB and Cell Migration. <i>ACS Chemical Biology</i> , 2019 , 14, 2014-2023 | 4.9 | 19 |
| 19 | 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 | 4.4 | 17 |
| 18 | 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, 3556-66 | 4.8 | 14 |
| 17 | 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, 1975-84 | 4.4 | 12 |
| 16 | Chemical Inhibition of ENL/AF9 YEATS Domains in Acute Leukemia. <i>ACS Central Science</i> , 2021 , 7, 815-830 | 6.8 | 12 |
| 15 | Comparative Nucleotide-Dependent Interactome Analysis Reveals Shared and Differential Properties of KRas4a and KRas4b. <i>ACS Central Science</i> , 2018 , 4, 71-80 | 16.8 | 11 |
| 14 | 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, 5273-81 | 4.8 | 11 |
| 13 | A secoiridoid with quinone reductase inducing activity from Cortex fraxini. <i>Phytotherapy Research</i> , 2010 , 81, 834-7 | 3.2 | 8 |
| 12 | Seven new benzeneacetic acid derivatives and their quinone reductase activity from <i>Eurycorymbus cavaleriei</i> . <i>Phytochemistry Letters</i> , 2009 , 2, 152-158 | 1.9 | 6 |
| 11 | A Chemical Proteomic Probe for the Mitochondrial Pyruvate Carrier Complex. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3896-3899 | 16.4 | 6 |
| 10 | Three lignans and one coumarinolignoid with quinone reductase activity from <i>Eurycorymbus cavaleriei</i> . <i>Phytotherapy Research</i> , 2009 , 80, 320-6 | 3.2 | 5 |
| 9 | 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, 3463-71 | 4.4 | 4 |
| 8 | Improving the NQO1-inducing activities of phenolic acids from radix <i>Salvia miltiorrhiza</i> : a methylation strategy. <i>Chemical Biology and Drug Design</i> , 2011 , 78, 558-66 | 2.9 | 3 |
| 7 | SPIN4 Is a Principal Endogenous Substrate of the E3 Ubiquitin Ligase DCAF16. <i>Biochemistry</i> , 2021 , 60, 637-642 | 3.2 | 3 |
| 6 | HPLC-Based Enzyme Assays for Sirtuins. <i>Methods in Molecular Biology</i> , 2018 , 1813, 225-234 | 1.4 | 2 |
| 5 | A new fluorescein isothiocyanate-based screening method for the rapid discovery of electrophilic compounds. <i>Analytical Methods</i> , 2010 , 2, 1472 | 3.2 | 2 |
| 4 | Expanding the landscape of E3 ligases for targeted protein degradation. <i>Current Research in Chemical Biology</i> , 2022 , 2, 100020 | | 1 |

- 3 Chemical Proteomics for Expanding the Druggability of Human Disease. *ChemBioChem*, **2020**, 21, 3319-3320 1
- 2 High-Throughput Enzyme Assay for Screening Inhibitors of the ZDHHC3/7/20 Acyltransferases. *ACS Chemical Biology*, **2021**, 16, 1318-1324 4.9 0
- 1 A Chemical Proteomic Probe for the Mitochondrial Pyruvate Carrier Complex. *Angewandte Chemie*, **2020**, 132, 3924-3927 3.6