

Youli Xiao

List of Publications by Year in descending order

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51
papers

1,866
citations

304743

22
h-index

265206

42
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51
all docs

51
docs citations

51
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylerythritol Phosphate Pathway of Isoprenoid Biosynthesis. Annual Review of Biochemistry, 2013, 82, 497-530.	11.1	248
2	Copolymerization of Cyclohexene Oxide with CO ₂ by Using Intramolecular Dinuclear Zinc Catalysts. Chemistry - A European Journal, 2005, 11, 3668-3678.	3.3	213
3	Intramolecularly Dinuclear Magnesium Complex Catalyzed Copolymerization of Cyclohexene Oxide with CO ₂ under Ambient CO ₂ Pressure: Kinetics and Mechanism. Macromolecules, 2006, 39, 128-137.	4.8	176
4	A LysM Receptor Heteromer Mediates Perception of Arbuscular Mycorrhizal Symbiotic Signal in Rice. Molecular Plant, 2019, 12, 1561-1576.	8.3	106
5	Revisiting the IspH Catalytic System in the Deoxyxylulose Phosphate Pathway: Achieving High Activity. Journal of the American Chemical Society, 2009, 131, 9931-9933.	13.7	84
6	Profiling of Multiple Targets of Artemisinin Activated by Hemin in Cancer Cell Proteome. ACS Chemical Biology, 2016, 11, 882-888.	3.4	65
7	Quaternary Ammonium Oxidative Demethylation: X-ray Crystallographic, Resonance Raman, and UV-Visible Spectroscopic Analysis of a Rieske-Type Demethylase. Journal of the American Chemical Society, 2012, 134, 2823-2834.	13.7	48
8	Mechanistic Studies of IspH in the Deoxyxylulose Phosphate Pathway: Heterolytic C=O Bond Cleavage at C ₄ Position. Journal of the American Chemical Society, 2008, 130, 2164-2165.	13.7	46
9	Identification and characterization of L-lysine decarboxylase from <i>Huperzia serrata</i> and its role in the metabolic pathway of lycopodium alkaloid. Phytochemistry, 2017, 136, 23-30.	2.9	43
10	Cytochrome P450 and O-methyltransferase catalyze the final steps in the biosynthesis of the anti-addictive alkaloid ibogaine from <i>Tabernanthe iboga</i> . Journal of Biological Chemistry, 2018, 293, 13821-13833.	3.4	43
11	Competitive profiling of celestrol targets in human cervical cancer HeLa cells via quantitative chemical proteomics. Molecular BioSystems, 2017, 13, 83-91.	2.9	40
12	Insights into Pipecolic Acid Biosynthesis in <i>Huperzia serrata</i> . Organic Letters, 2018, 20, 2195-2198.	4.6	37
13	Evolution of the Cholesterol Biosynthesis Pathway in Animals. Molecular Biology and Evolution, 2019, 36, 2548-2556.	8.9	37
14	Deciphering the late steps of rifamycin biosynthesis. Nature Communications, 2018, 9, 2342.	12.8	36
15	IspH Protein of the Deoxyxylulose Phosphate Pathway: Mechanistic Studies with C ₁ -Deuterium-Labeled Substrate and Fluorinated Analogue. Angewandte Chemie - International Edition, 2008, 47, 9722-9725.	13.8	35
16	Triplin, a small molecule, reveals copper ion transport in ethylene signaling from ATX1 to RAN1. PLoS Genetics, 2017, 13, e1006703.	3.5	32
17	IspG Converts an Epoxide Substrate Analogue to (E)-4-Hydroxy-3-methylbut-2-enyl Diphosphate: Implications for IspG Catalysis in Isoprenoid Biosynthesis. Journal of the American Chemical Society, 2009, 131, 17734-17735.	13.7	31
18	Global transcriptome analysis of <i>Huperzia serrata</i> and identification of critical genes involved in the biosynthesis of huperzine A. BMC Genomics, 2017, 18, 245.	2.8	31

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19	Development of Photoaffinity Probe for the Discovery of Steviol Glycosides Biosynthesis Pathway in <i>Stevia rebaudiana</i> and Rapid Substrate Screening. <i>ACS Chemical Biology</i> , 2018, 13, 1944-1949.	3.4	28
20	IspG Enzyme Activity in the Deoxyxylulose Phosphate Pathway: Roles of the Iron-Sulfur Cluster. <i>Biochemistry</i> , 2009, 48, 10483-10485.	2.5	27
21	De Novo Production of the Plant-Derived Tropine and Pseudotropine in Yeast. <i>ACS Synthetic Biology</i> , 2019, 8, 1257-1262.	3.8	27
22	A recently evolved diflavin-containing monomeric nitrate reductase is responsible for highly efficient bacterial nitrate assimilation. <i>Journal of Biological Chemistry</i> , 2020, 295, 5051-5066.	3.4	27
23	Characterization of the Artemisinin Binding Site for Translationally Controlled Tumor Protein (TCTP) by Bioorthogonal Click Chemistry. <i>Bioconjugate Chemistry</i> , 2016, 27, 2828-2833.	3.6	25
24	Construction of an octosyl acid backbone catalyzed by a radical S-adenosylmethionine enzyme and a phosphatase in the biosynthesis of high-carbon sugar nucleoside antibiotics. <i>Chemical Science</i> , 2017, 8, 444-451.	7.4	23
25	Divergent camptothecin biosynthetic pathway in <i>Ophiorrhiza pumila</i> . <i>BMC Biology</i> , 2021, 19, 122.	3.8	23
26	Global profiling of cellular targets of gambogic acid by quantitative chemical proteomics. <i>Chemical Communications</i> , 2016, 52, 14035-14038.	4.1	22
27	Structural basis of rifampin inactivation by rifampin phosphotransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3803-3808.	7.1	22
28	Chemical proteomics reveal CD147 as a functional target of pseudolaric acid B in human cancer cells. <i>Chemical Communications</i> , 2017, 53, 8671-8674.	4.1	21
29	Metabolism of ganoderic acids by a <i>Ganoderma lucidum</i> cytochrome P450 and the 3-keto sterol reductase ERG27 from yeast. <i>Phytochemistry</i> , 2018, 155, 83-92.	2.9	21
30	Methylerythritol cyclodiphosphate (MEcPP) in deoxyxylulose phosphate pathway: synthesis from an epoxide and mechanisms. <i>Chemical Communications</i> , 2010, 46, 7220.	4.1	19
31	Study of IspH, a Key Enzyme in the Methylerythritol Phosphate Pathway Using Fluoro-Substituted Substrate Analogues. <i>Organic Letters</i> , 2011, 13, 5912-5915.	4.6	19
32	Dehydrocurvularin is a potent antineoplastic agent irreversibly blocking ATP-citrate lyase: evidence from chemoproteomics. <i>Chemical Communications</i> , 2019, 55, 4194-4197.	4.1	19
33	IspH-Catalyzed Positional Isotopic Exchange in Methylerythritol Cyclodiphosphate of the Deoxyxylulose Phosphate Pathway: Mechanistic Implications. <i>ChemBioChem</i> , 2011, 12, 527-530.	2.6	18
34	Mechanistic Studies of an IspH-Catalyzed Reaction: Implications for Substrate Binding and Protonation in the Biosynthesis of Isoprenoids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12304-12307.	13.8	16
35	Disruption of the RNA exosome reveals the hidden face of the malaria parasite transcriptome. <i>RNA Biology</i> , 2018, 15, 1206-1214.	3.1	16
36	Building Microbial Hosts for Heterologous Production of N-Methylpyrrolinium. <i>ACS Synthetic Biology</i> , 2019, 8, 257-263.	3.8	16

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37	Syntheses of the P-Methylase Substrates of the Bialaphos Biosynthetic Pathway. <i>Organic Letters</i> , 2008, 10, 5521-5524.	4.6	15
38	Discovery of <i>Arabidopsis</i> UGT73C1 as a steviol-catalyzing UDP-glycosyltransferase with chemical probes. <i>Chemical Communications</i> , 2018, 54, 7179-7182.	4.1	15
39	Chemoproteomics Reveals the Antiproliferative Potential of Parkinson's Disease Kinase Inhibitor LRRK2-IN-1 by Targeting PCNA Protein. <i>Molecular Pharmaceutics</i> , 2018, 15, 3252-3259.	4.6	13
40	The 5-formyl-tetrahydrofolate proteome links folates with C/N metabolism and reveals feedback regulation of folate biosynthesis. <i>Plant Cell</i> , 2021, 33, 3367-3385.	6.6	12
41	Comprehensive relative quantitative metabolomics analysis of lycopodium alkaloids in different tissues of <i>Huperzia serrata</i> . <i>Synthetic and Systems Biotechnology</i> , 2018, 3, 44-55.	3.7	11
42	Uncovering the functional residues of <i>Arabidopsis</i> isoprenoid biosynthesis enzyme HDS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 355-361.	7.1	10
43	Selection of Reference Genes for Expression Analysis in Chinese Medicinal Herb <i>Huperzia serrata</i> . <i>Frontiers in Pharmacology</i> , 2019, 10, 44.	3.5	9
44	Discovery and Biosynthesis of Ascorbylated <i>Securinega</i> Alkaloids. <i>ACS Catalysis</i> , 2021, 11, 8818-8828.	11.2	9
45	Molecular Imaging and <i>In Situ</i> Quantitative Profiling of Fatty Acid Synthase with a Chemical Probe. <i>Analytical Chemistry</i> , 2020, 92, 4419-4426.	6.5	7
46	Ferrous-Iron-Activated Transcriptional Factor AdhR Regulates Redox Homeostasis in <i>Clostridium beijerinckii</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	6
47	Synthetic Biology Studies of Monoterpene Indole Alkaloids. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 2243.	1.3	6
48	Colocalization Strategy Unveils an Underside Binding Site in the Transmembrane Domain of Smoothed Receptor. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9983-9989.	6.4	5
49	Chemoproteomic-Driven Discovery of Covalent PROTACs. <i>Biochemistry</i> , 2020, 59, 128-129.	2.5	4
50	Prenyltransferase substrate binding pocket flexibility and its application in isoprenoid profiling. <i>Molecular BioSystems</i> , 2009, 5, 913.	2.9	3
51	Synthesis of [1-13C] and stereo-specifically [1-2H] labeled fluorinated substrate analogues of IspH enzyme in the deoxyxylulose phosphate pathway. <i>Tetrahedron Letters</i> , 2009, 50, 309-311.	1.4	1