

Yousong Ding

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,227
citations

361413

20
h-index

395702

33
g-index

47
all docs

47
docs citations

47
times ranked

1830
citing authors

#	ARTICLE	IF	CITATIONS
1	Irisin exerts dual effects on browning and adipogenesis of human white adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E530-E541.	3.5	133
2	Genome-Based Characterization of Two Prenylation Steps in the Assembly of the Stephacidin and Notoamide Anticancer Agents in a Marine-Derived <i>Aspergillus</i> sp.. <i>Journal of the American Chemical Society</i> , 2010, 132, 12733-12740.	13.7	104
3	Irisin Controls Growth, Intracellular Ca ²⁺ Signals, and Mitochondrial Thermogenesis in Cardiomyoblasts. <i>PLoS ONE</i> , 2015, 10, e0136816.	2.5	66
4	Photosynthetic Production of Sunscreen Shinorine Using an Engineered Cyanobacterium. <i>ACS Synthetic Biology</i> , 2018, 7, 664-671.	3.8	59
5	Structural basis for precursor protein-directed ribosomal peptide macrocyclization. <i>Nature Chemical Biology</i> , 2016, 12, 973-979.	8.0	53
6	Promiscuous Pathogenicity Islands and Phylogeny of Pathogenic <i>Streptomyces</i> spp.. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 640-650.	2.6	48
7	Rational engineering of <i>Streptomyces albus</i> J1074 for the overexpression of secondary metabolite gene clusters. <i>Microbial Cell Factories</i> , 2018, 17, 25.	4.0	48
8	Redesigning thiamin synthesis: Prospects and potential payoffs. <i>Plant Science</i> , 2018, 273, 92-99.	3.6	44
9	Molecular Analysis of a 4-Dimethylallyltryptophan Synthase from <i>Malbranchea aurantiaca</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 16068-16076.	3.4	43
10	Heterologous Production of Microbial Ribosomally Synthesized and Post-translationally Modified Peptides. <i>Frontiers in Microbiology</i> , 2018, 9, 1801.	3.5	43
11	Analysis of the Cryptophycin P450 Epoxidase Reveals Substrate Tolerance and Cooperativity. <i>Journal of the American Chemical Society</i> , 2008, 130, 5492-5498.	13.7	40
12	Chemoenzymatic Synthesis of Cryptophycin Anticancer Agents by an Ester Bond-Forming Non-ribosomal Peptide Synthetase Module. <i>Journal of the American Chemical Society</i> , 2011, 133, 14492-14495.	13.7	37
13	Premalbrancheamide: Synthesis, Isotopic Labeling, Biosynthetic Incorporation, and Detection in Cultures of <i>Malbranchea aurantiaca</i> . <i>Organic Letters</i> , 2008, 10, 4863-4866.	4.6	33
14	A distributive peptide cyclase processes multiple microviridin core peptides within a single polypeptide substrate. <i>Nature Communications</i> , 2018, 9, 1780.	12.8	31
15	Antimicrobial peptide-inspired NH125 analogues: bacterial and fungal biofilm-eradicating agents and rapid killers of MRSA persisters. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5503-5512.	2.8	30
16	Engineered P450 biocatalysts show improved activity and regio-promiscuity in aromatic nitration. <i>Scientific Reports</i> , 2017, 7, 842.	3.3	29
17	Recent advances in biocatalyst discovery, development and applications. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5604-5612.	3.0	28
18	High-Yield Production of Herbicidal Thaxtomins and Thaxtomin Analogs in a Nonpathogenic <i>Streptomyces</i> Strain. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	26

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19	Waikikiamides Aâ€“C: Complex Diketopiperazine Dimer and Diketopiperazineâ€“Polyketide Hybrids from a Hawaiian Marine Fungal Strain <i>Aspergillus</i> sp. FM242. <i>Organic Letters</i> , 2020, 22, 4408-4412.	4.6	25
20	An artificial self-sufficient cytochrome P450 directly nitrates fluorinated tryptophan analogs with a different regioselectivity. <i>Biotechnology Journal</i> , 2016, 11, 624-632.	3.5	21
21	Cytotoxic protein from the mushroom <i>Coprinus comatus</i> possesses a unique mode for glycan binding and specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8980-8985.	7.1	21
22	A Modular Synthetic Route Involving <i>N</i> -Aryl-2-nitrosoaniline Intermediates Leads to a New Series of 3-Substituted Halogenated Phenazine Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7275-7295.	6.4	21
23	Genetic background affects pathogenicity island function and pathogen emergence in <i>Streptomyces</i> . <i>Molecular Plant Pathology</i> , 2018, 19, 1733-1741.	4.2	18
24	In vitro antifungal and antibiofilm activities of halogenated quinoline analogues against <i>Candida albicans</i> and <i>Cryptococcus neoformans</i> . <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 208-211.	2.5	17
25	Effects of irisin on the differentiation and browning of human visceral white adipocytes. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 7410-7421.	0.0	17
26	A Promiscuous Cytochrome P450 Hydroxylates Aliphatic and Aromatic C-H Bonds of Aromatic 2,5-Diketopiperazines. <i>ChemBioChem</i> , 2019, 20, 1068-1077.	2.6	16
27	Biosynthesis and Heterologous Production of Mycosporine-Like Amino Acid Palythines. <i>Journal of Organic Chemistry</i> , 2021, 86, 11160-11168.	3.2	15
28	Aldoximes are precursors of auxins in <i>Arabidopsis</i> and maize. <i>New Phytologist</i> , 2021, 231, 1449-1461.	7.3	15
29	One-Pot Biocombinatorial Synthesis of Herbicidal Thaxtomins. <i>ACS Catalysis</i> , 2018, 8, 10761-10768.	11.2	14
30	Recent advances in the biosynthesis of RiPPs from multicore-containing precursor peptides. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 659-674.	3.0	14
31	Cyanobacterial Sfp-type phosphopantetheinyl transferases functionalize carrier proteins of diverse biosynthetic pathways. <i>Scientific Reports</i> , 2017, 7, 11888.	3.3	13
32	Chemical and Metagenomic Studies of the Lethal Black Band Disease of Corals Reveal Two Broadly Distributed, Redox-Sensitive Mixed Polyketide/Peptide Macrocycles. <i>Journal of Natural Products</i> , 2019, 82, 111-121.	3.0	12
33	Heterologous production of cyanobacterial compounds. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	12
34	Biocatalytic synthesis of peptidic natural products and related analogues. <i>IScience</i> , 2021, 24, 102512.	4.1	12
35	Direct Aromatic Nitration System for Synthesis of Nitrotryptophans in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 857-865.	3.8	11
36	Fungal Epithiodiketopiperazines Carrying Polysulfide Bridges from <i>Penicillium steckii</i> YE, and Their Chemical Interconversion. <i>ChemBioChem</i> , 2021, 22, 416-422.	2.6	11

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37	Cyanobacterial Dihydroxyacid Dehydratases Are a Promising Growth Inhibition Target. ACS Chemical Biology, 2020, 15, 2281-2288.	3.4	10
38	Bacterial translation machinery for deliberate mistranslation of the genetic code. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
39	The Ferric-Superoxo Intermediate of the TxtE Nitration Pathway Resists Reduction, Facilitating Its Reaction with Nitric Oxide. Biochemistry, 2021, 60, 2436-2446.	2.5	6
40	GLP-1 Induces the Expression of FNDC5 Derivatives That Execute Lipolytic Actions. Frontiers in Cell and Developmental Biology, 2021, 9, 777026.	3.7	5
41	Metabolite profiling reveals organ-specific flavone accumulation in <i>Scutellaria</i> and identifies a scutellarin isomer isoscutellarein 8-O- β -glucuronopyranoside. Plant Direct, 2021, 5, e372.	1.9	5
42	Rapid kill assessment of an <i>N</i> -arylated NH125 analogue against drug-resistant microorganisms. MedChemComm, 2019, 10, 712-716.	3.4	4
43	Structural and biochemical studies of an iterative ribosomal peptide macrocyclase. Proteins: Structure, Function and Bioinformatics, 2022, 90, 670-679.	2.6	3
44	Biochemical and structural characterization of <i>Haemophilus influenzae</i> nitroreductase in metabolizing nitroimidazoles. RSC Chemical Biology, 2022, 3, 436-446.	4.1	3
45	Applications of Natural Products from Soil Microbes. , 2015, , 51-77.		1