Yiguang Zhu

List of Publications by Year
in descending order

52	1,455	331670 21	345221 36
papers	citations	h-index	g-index

54	54	54	1335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New piericidin derivatives from the marine-derived streptomyces sp. SCSIO 40063 with cytotoxic activity. Natural Product Research, 2022, 36, 2458-2464.	1.8	8
2	A new xanthostatin analogue from the marine sponge-associated actinomycete Streptomyces sp. SCSIO 40064. Natural Product Research, 2022, 36, 3529-3537.	1.8	2
3	Natural products from mangrove sediments-derived microbes: Structural diversity, bioactivities, biosynthesis, and total synthesis. European Journal of Medicinal Chemistry, 2022, 230, 114117.	5.5	33
4	Antifungal Macrolides Kongjuemycins from Coral-Associated Rare Actinomycete Pseudonocardia kongjuensis SCSIO 11457. Organic Letters, 2022, 24, 3482-3487.	4.6	8
5	A new uridine derivative and a new indole derivative from the coral-associated actinomycete Pseudonocardia sp. SCSIO 11457. Natural Product Research, 2021, 35, 188-194.	1.8	13
6	Complete genome sequence of Streptomyces sp. SCSIO 03032 isolated from Indian Ocean sediment, producing diverse bioactive natural products. Marine Genomics, 2021, 55, 100803.	1.1	9
7	Discovery of a new asymmetric dimer nenestatin B and implications of a dimerizing enzyme in a deep sea actinomycete. Organic and Biomolecular Chemistry, 2021, 19, 4243-4247.	2.8	12
8	Genome mining of cryptic tetronate natural products from a PKS-NRPS encoding gene cluster in Trichoderma harzianum t-22. Organic and Biomolecular Chemistry, 2021, 19, 1985-1990.	2.8	18
9	Antibacterial phenylspirodrimanes from the marine-derived fungus Stachybotrys sp. SCSIO 40434. FÃ¬toterapÃ¬Ã¢, 2021, 152, 104937.	2.2	5
10	Discovery of an Unexpected 1,4-Oxazepine-Linked seco-Fluostatin Heterodimer by Inactivation of the Oxidoreductase-Encoding Gene flsP. Journal of Natural Products, 2021, 84, 2336-2344.	3.0	7
11	A simple and facile iodination method of didechlorotiacumicin B and aromatic compounds. Science China Chemistry, 2021, 64, 1736.	8.2	2
12	Host-dependent heterologous expression of berninamycin gene cluster leads to linear thiopeptide antibiotics. Organic and Biomolecular Chemistry, 2021, 19, 8940-8946.	2.8	7
13	Mutation of an atypical oxirane oxyanion hole improves regioselectivity of the Î±/Î²-fold epoxide hydrolase Alp1U. Journal of Biological Chemistry, 2020, 295, 16987-16997.	3.4	6
14	S-Bridged Thioether and Structure-Diversified Angucyclinone Derivatives from the South China Sea-Derived Micromonospora echinospora SCSIO 04089. Journal of Natural Products, 2020, 83, 3122-3130.	3.0	16
15	Structural studies reveal flexible roof of active site responsible for Ï‰-transaminase CrmG overcoming by-product inhibition. Communications Biology, 2020, 3, 455.	4.4	8
16	Proximicins F and G and Diproximicin A: Aminofurans from the Marine-Derived Verrucosispora sp. SCSIO 40062 by Overexpression of PPtase Genes. Journal of Natural Products, 2020, 83, 1152-1156.	3.0	6
17	Deciphering Biosynthetic Enzymes Leading to 4-Chloro-6-Methyl-5,7-Dihydroxyphenylglycine, a Non-Proteinogenic Amino Acid in Totopotensamides. ACS Chemical Biology, 2020, 15, 766-773.	3.4	10
18	Heterologous Expression Leads to Discovery of Diversified Lobophorin Analogues and a Flexible Glycosyltransferase. Organic Letters, 2020, 22, 1062-1066.	4.6	15

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19	Refactoring the Concise Biosynthetic Pathway of Cyanogramide Unveils Spirooxindole Formation Catalyzed by a P450 Enzyme. Angewandte Chemie - International Edition, 2020, 59, 14065-14069.	13.8	20
20	Refactoring the Concise Biosynthetic Pathway of Cyanogramide Unveils Spirooxindole Formation Catalyzed by a P450 Enzyme. Angewandte Chemie, 2020, 132, 14169-14173.	2.0	3
21	Heterologous expression of the trichostatin gene cluster and functional characterization ofN-methyltransferase TsnB8. Organic and Biomolecular Chemistry, 2020, 18, 3649-3653.	2.8	9
22	Discovery and Biosynthesis of Neoenterocins Indicate a Skeleton Rearrangement of Enterocin. Organic Letters, 2019, 21, 9066-9070.	4.6	13
23	Characterizing Two Cytochrome P450s in Tiacumicin Biosynthesis Reveals Reaction Timing for Tailoring Modifications. Organic Letters, 2019, 21, 7679-7683.	4.6	10
24	Functional characterization of the halogenase SpmH and discovery of new deschloro-tryptophan dimers. Organic and Biomolecular Chemistry, 2019, 17, 1053-1057.	2.8	24
25	Discovery of Stealthin Derivatives and Implication of the Amidotransferase FlsN3 in the Biosynthesis of Nitrogen-Containing Fluostatins. Marine Drugs, 2019, 17, 150.	4.6	10
26	Albumycin, a new isoindolequinone from Streptomyces albus J1074 harboring the fluostatin biosynthetic gene cluster. Journal of Antibiotics, 2019, 72, 311-315.	2.0	13
27	Marine Bacterial Aromatic Polyketides From Host-Dependent Heterologous Expression and Fungal Mode of Cyclization. Frontiers in Chemistry, 2018, 6, 528.	3.6	22
28	Tandem Hydration of Diisonitriles Triggered by Isonitrile Hydratase in Streptomyces thioluteus. Organic Letters, 2018, 20, 3562-3565.	4.6	10
29	Molecular basis of dimer formation during the biosynthesis of benzofluorene-containing atypical angucyclines. Nature Communications, 2018, 9, 2088.	12.8	53
30	Pyrazolofluostatins Aâ€“C, Pyrazole-Fused Benzo[a]fluorenes from South China Sea-Derived Micromonospora rosaria SCSIO N160. Organic Letters, 2017, 19, 592-595.	4.6	34
31	Characterization of the flavoenzyme XiaK as an N-hydroxylase and implications in indolosesquiterpene diversification. Chemical Science, 2017, 8, 5067-5077.	7.4	35
32	Identification and characterization of a biosynthetic gene cluster for tryptophan dimers in deep sea-derived Streptomyces sp. SCSIO 03032. Applied Microbiology and Biotechnology, 2017, 101, 6123-6136.	3.6	16
33	Isolation, structure elucidation and biosynthesis of benzo[b]fluorene nenestatin A from deep-sea derived Micromonospora echinospora SCSIO 04089. Tetrahedron, 2017, 73, 3585-3590.	1.9	36
34	Genome Mining and Activation of a Silent PKS/NRPS Gene Cluster Direct the Production of Totopotensamides. Organic Letters, 2017, 19, 5697-5700.	4.6	59
35	Diisonitrile Natural Product SF2768 Functions As a Chalkophore That Mediates Copper Acquisition in Streptomyces thioluteus. ACS Chemical Biology, 2017, 12, 3067-3075.	3.4	75
36	Activation and characterization of a cryptic gene cluster reveals a cyclization cascade for polycyclic tetramate macrolactams. Chemical Science, 2017, 8, 1607-1612.	7.4	82

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37	Flavoenzyme CrmK-mediated substrate recycling in caerulomycin biosynthesis. Chemical Science, 2016, 7, 4867-4874.	7.4	14
38	Biochemical and Structural Insights into the Aminotransferase CrmG in Caerulomycin Biosynthesis. ACS Chemical Biology, 2016, 11, 943-952.	3.4	23
39	Characterization of Heronamide Biosynthesis Reveals a Tailoring Hydroxylase and Indicates Migrated Double Bonds. ChemBioChem, 2015, 16, 2086-2093.	2.6	39
40	Elucidating the Cyclization Cascades in Xiamycin Biosynthesis by Substrate Synthesis and Enzyme Characterizations. Organic Letters, 2015, 17, 306-309.	4.6	35
41	Heterologous Expression of Fluostatin Gene Cluster Leads to a Bioactive Heterodimer. Organic Letters, 2015, 17, 5324-5327.	4.6	68
42	Mechanistic Insights into Polycycle Formation by Reductive Cyclization in Ikarugamycin Biosynthesis. Angewandte Chemie - International Edition, 2014, 53, 4840-4844.	13.8	89
43	Elucidating Hydroxylation and Methylation Steps Tailoring Piericidin A1 Biosynthesis. Organic Letters, 2014, 16, 736-739.	4.6	38
44	Heronamides Dâ€“F, Polyketide Macrolactams from the Deep-Sea-Derived Streptomyces sp. SCSIO 03032. Journal of Natural Products, 2014, 77, 388-391.	3.0	45
45	Characterization of the sugar-O-methyltransferase LobS1 in lobophorin biosynthesis. Applied Microbiology and Biotechnology, 2013, 97, 9043-9053.	3.6	17
46	Characterizing Amosamine Biosynthesis in Amicetin Reveals AmiG as a Reversible Retaining Glycosyltransferase. Journal of the American Chemical Society, 2013, 135, 12152-12155.	13.7	27
47	Dissecting Glycosylation Steps in Lobophorin Biosynthesis Implies an Iterative Glycosyltransferase. Organic Letters, 2013, 15, 1374-1377.	4.6	46
48	Insights into Caerulomycin A Biosynthesis: A Two-Component Monooxygenase CrmH-Catalyzed Oxime Formation. Journal of the American Chemical Society, 2013, 135, 18750-18753.	13.7	47
49	Fluostatins Iâ€“K from the South China Sea-Derived Micromonospora rosaria SCSIO N160. Journal of Natural Products, 2012, 75, 1937-1943.	3.0	57
50	Carboxyl Formation from Methyl via Triple Hydroxylations by XiaM in Xiamycin A Biosynthesis. Organic Letters, 2012, 14, 6142-6145.	4.6	43
51	Identification of Caerulomycin A Gene Cluster Implicates a Tailoring Amidohydrolase. Organic Letters, 2012, 14, 2666-2669.	4.6	56
52	Identification and Characterization of Xiamycin A and Oxiamycin Gene Cluster Reveals an Oxidative Cyclization Strategy Tailoring Indolosesquiterpene Biosynthesis. Journal of the American Chemical Society, 2012, 134, 8996-9005.	13.7	87