

Yi Yu

List of Publications by Year in descending order

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55
papers

1,902
citations

279798

23
h-index

265206

42
g-index

60
all docs

60
docs citations

60
times ranked

2019
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiopeptide Biosynthesis Featuring Ribosomally Synthesized Precursor Peptides and Conserved Posttranslational Modifications. <i>Chemistry and Biology</i> , 2009, 16, 141-147.	6.0	195
2	Evolution of lanthipeptide synthetases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18361-18366.	7.1	178
3	Nosiheptide Biosynthesis Featuring a Unique Indole Side Ring Formation on the Characteristic Thiopeptide Framework. <i>ACS Chemical Biology</i> , 2009, 4, 855-864.	3.4	166
4	Radical-mediated enzymatic carbon chain fragmentation-recombination. <i>Nature Chemical Biology</i> , 2011, 7, 154-160.	8.0	124
5	Development of <i>Synechocystis</i> sp. PCC 6803 as a Phototrophic Cell Factory. <i>Marine Drugs</i> , 2013, 11, 2894-2916.	4.6	112
6	Identification of Fluorinases from <i>Streptomyces</i> sp MA37, <i>Nocardia brasiliensis</i> , and <i>Actinoplanes</i> sp N902 by Genome Mining. <i>ChemBioChem</i> , 2014, 15, 364-368.	2.6	97
7	Moving posttranslational modifications forward to biosynthesize the glycosylated thiopeptide nocaithiacin I in <i>Nocardia</i> sp. ATCC202099. <i>Molecular BioSystems</i> , 2010, 6, 1180.	2.9	70
8	Hepatitis B Virus Induces a Novel Inflammation Network Involving Three Inflammatory Factors, IL-29, IL-8, and Cyclooxygenase-2. <i>Journal of Immunology</i> , 2011, 187, 4844-4860.	0.8	69
9	NosA Catalyzing Carboxyl-Terminal Amide Formation in Nosiheptide Maturation via an Enamine Dealkylation on the Serine-Extended Precursor Peptide. <i>Journal of the American Chemical Society</i> , 2010, 132, 16324-16326.	13.7	58
10	Dithiopyrrolone Natural Products: Isolation, Synthesis and Biosynthesis. <i>Marine Drugs</i> , 2013, 11, 3970-3997.	4.6	48
11	Characterization of the Biosynthetic Gene Cluster for Benzoxazole Antibiotics A33853 Reveals Unusual Assembly Logic. <i>Chemistry and Biology</i> , 2015, 22, 1313-1324.	6.0	48
12	Identification of a fluorometabolite from <i>Streptomyces</i> sp. MA37: (2R3S4S)-5-fluoro-2,3,4-trihydroxypentanoic acid. <i>Chemical Science</i> , 2015, 6, 1414-1419.	7.4	47
13	Discovery of a Single Monooxygenase that Catalyzes Carbamate Formation and Ring Contraction in the Biosynthesis of the Legonmycins. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12697-12701.	13.8	46
14	The Catalytic Mechanism of the Class C Radical Adenosylmethionine Methyltransferase NosN. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3857-3861.	13.8	42
15	Biosynthesis of Neocarazostatin A Reveals the Sequential Carbazole Prenylation and Hydroxylation in the Tailoring Steps. <i>Chemistry and Biology</i> , 2015, 22, 1633-1642.	6.0	39
16	Characterization of a C3 Deoxygenation Pathway Reveals a Key Branch Point in Aminoglycoside Biosynthesis. <i>Journal of the American Chemical Society</i> , 2016, 138, 6427-6435.	13.7	38
17	The Fish Pathogen <i>Yersinia ruckeri</i> Produces Holomycin and Uses an RNA Methyltransferase for Self-resistance. <i>Journal of Biological Chemistry</i> , 2013, 288, 14688-14697.	3.4	32
18	A novel near-infrared fluorescent light-up probe for tumor imaging and drug-induced liver injury detection. <i>Chemical Communications</i> , 2019, 55, 2541-2544.	4.1	32

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19	Bacterial pathogens: threat or treat (a review on bioactive natural products from bacterial) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	10.3	30
20	Identification and heterologous expression of the biosynthetic gene cluster for holomycin produced by <i>Streptomyces clavuligerus</i> . <i>Process Biochemistry</i> , 2011, 46, 811-816.	3.7	28
21	Mn-Loaded apolactoferrin dots for <i>in vivo</i> MRI and NIR-II cancer imaging. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9448-9454.	5.5	28
22	Insight into bicyclic thiopeptide biosynthesis benefited from development of a uniform approach for molecular engineering and production improvement. <i>Chemical Science</i> , 2014, 5, 240-246.	7.4	27
23	Targeted Dereplication of Microbial Natural Products by High-Resolution MS and Predicted LC Retention Time. <i>Journal of Natural Products</i> , 2017, 80, 1370-1377.	3.0	27
24	The Biosynthesis of the Benzoxazole in Nataxazole Proceeds via an Unstable Ester and has Synthetic Utility. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6054-6061.	13.8	24
25	Nucleoside-linked shunt products in the reaction catalyzed by the class C radical S-adenosylmethionine methyltransferase NosN. <i>Chemical Communications</i> , 2017, 53, 5235-5238.	4.1	22
26	Characterization of a SAM-dependent fluorinase from a latent biosynthetic pathway for fluoroacetate and 4-fluorothreonine formation in <i>Nocardia brasiliensis</i> . <i>F1000Research</i> , 2014, 3, 61.	1.6	21
27	Biosynthesis of the nosiheptide indole side ring centers on a cryptic carrier protein NosJ. <i>Nature Communications</i> , 2017, 8, 437.	12.8	20
28	Dissection of the neocarazostatin: a C ₄ alkyl side chain biosynthesis by <i>in vitro</i> reconstitution. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3843-3848.	2.8	19
29	An unusual metal-bound 4-fluorothreonine transaldolase from <i>Streptomyces</i> sp. MA37 catalyses promiscuous transaldol reactions. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3885-3896.	3.6	18
30	A ThDP-dependent enzymatic carbonylation reaction involved in Neocarazostatin A tricyclic carbazole formation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8679-8684.	2.8	17
31	Identification and Characterization of the Biosynthetic Gene Cluster of Thiolutin, a Tumor Angiogenesis Inhibitor, in <i>Saccharothrix algeriensis</i> NRRL B-24137. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 277-284.	1.7	17
32	Mining of the Pyrrolamide Antibiotics Analogs in <i>Streptomyces netropsis</i> Reveals the Amidohydrolase-Dependent <i>de</i> lterative Strategy Underlying the Pyrrole Polymerization. <i>PLoS ONE</i> , 2014, 9, e99077.	2.5	15
33	Structure-based Mechanistic Insights into Terminal Amide Synthase in Nosiheptide-Represented Thiopeptides Biosynthesis. <i>Scientific Reports</i> , 2015, 5, 12744.	3.3	12
34	Enzymatic Reconstitution and Biosynthetic Investigation of the Bacterial Carbazole Neocarazostatin A. <i>Journal of Organic Chemistry</i> , 2019, 84, 16323-16328.	3.2	12
35	Growth and Spectral Assessment of Yb ³⁺ -Doped KBaGd(MoO ₄) ₃ Crystal: A Candidate for Ultrashort Pulse and Tunable Lasers. <i>PLoS ONE</i> , 2013, 8, e54450.	2.5	11
36	The potential protective effects of miR-497 on corneal neovascularization are mediated via macrophage through the IL-6/STAT3/VEGF signaling pathway. <i>International Immunopharmacology</i> , 2021, 96, 107745.	3.8	11

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37	Aminoacyl chain translocation catalysed by a type II thioesterase domain in an unusual non-ribosomal peptide synthetase. <i>Nature Communications</i> , 2022, 13, 62.	12.8	11
38	Two putative parallel pathways for naringenin biosynthesis in <i>Epimedium wushanense</i> . <i>RSC Advances</i> , 2021, 11, 13919-13927.	3.6	10
39	Two Cryptic Self-Resistance Mechanisms in <i>Streptomyces tenebrarius</i> Reveal Insights into the Biosynthesis of Apramycin. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8990-8996.	13.8	10
40	Crystallographic analysis of NosA, which catalyzes terminal amide formation in the biosynthesis of nosiheptide. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1033-1037.	0.8	8
41	A Deep Learning Model for Screening Multiple Abnormal Findings in Ophthalmic Ultrasonography (With Video). <i>Translational Vision Science and Technology</i> , 2021, 10, 22.	2.2	8
42	Parallel pathways in the biosynthesis of aminoglycoside antibiotics. <i>F1000Research</i> , 2017, 6, 723.	1.6	8
43	From solo to duet, intersections of natural product assembly with self-resistance. <i>Natural Product Reports</i> , 2022, 39, 919-925.	10.3	7
44	Overproduction of gentamicin B in industrial strain <i>Micromonospora echinospora</i> CCTCC M 2018898 by cloning of the missing genes <i>genR</i> and <i>genS</i> . <i>Metabolic Engineering Communications</i> , 2019, 9, e00096.	3.6	5
45	The Biosynthesis of the Benzoxazole in Nataxazole Proceeds via an Unstable Ester and has Synthetic Utility. <i>Angewandte Chemie</i> , 2020, 132, 6110-6117.	2.0	5
46	Recent advances in the elucidation of enzymatic function in natural product biosynthesis. <i>F1000Research</i> , 2015, 4, 1399.	1.6	5
47	<i>In vitro</i> reconstitution of the biosynthetic pathway of 3-hydroxypicolinic acid. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 454-460.	2.8	3
48	Three putative DNA replication/repair elements encoding genes confer self-resistance to distamycin in <i>Streptomyces netropsis</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 91-96.	2.0	3
49	Recent advances in the elucidation of enzymatic function in natural product biosynthesis. <i>F1000Research</i> , 2015, 4, 1399.	1.6	3
50	Two Cryptic Self-Resistance Mechanisms in <i>Streptomyces tenebrarius</i> Reveal Insights into the Biosynthesis of Apramycin. <i>Angewandte Chemie</i> , 2021, 133, 9072-9078.	2.0	2
51	Metabolic flux analysis of the halophilic archaeon <i>Haladaptatus paucihalophilus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 1058-1062.	2.1	1
52	¹⁵ N-methylation in apramycin: its biosynthesis and biological role. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2708-2713.	4.5	1
53	Proteomining-Based Elucidation of Natural Product Biosynthetic Pathways in <i>Streptomyces</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
54	Discovery of a Single Monooxygenase that Catalyzes Carbamate Formation and Ring Contraction in the Biosynthesis of the Legonmycins (<i>Angew. Chem.</i> 43/2015). <i>Angewandte Chemie</i> , 2015, 127, 13016-13016.	2.0	0

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55	Innentitelbild: The Catalytic Mechanism of the Class C Radical <i>S</i> -Adenosylmethionine Methyltransferase NosN (Angew. Chem. 14/2017). Angewandte Chemie, 2017, 129, 3780-3780.	2.0	0