Yong Huang

List of Publications by Year
in descending order

81	1,738	279798	330143
papers	citations	23 h-index	37 g-index

94	94	94	2177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Breast-fed and bottle-fed infant rhesus macaques develop distinct gut microbiotas and immune systems. Science Translational Medicine, 2014, 6, 252ra120.	12.4	115
2	Infection microenvironment-related antibacterial nanotherapeutic strategies. Biomaterials, 2022, 280, 121249.	11.4	98
3	Cloning, Sequencing, Analysis, and Heterologous Expression of the Fredericamycin Biosynthetic Gene Cluster fromStreptomycesgriseus. Journal of the American Chemical Society, 2005, 127, 16442-16452.	13.7	97
4	Strain Prioritization and Genome Mining for Enediyne Natural Products. MBio, 2016, 7, .	4.1	89
5	Discovery of the leinamycin family of natural products by mining actinobacterial genomes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11131-E11140.	7.1	84
6	Strain Prioritization for Natural Product Discovery by a High-Throughput Real-Time PCR Method. Journal of Natural Products, 2014, 77, 2296-2303.	3.0	75
7	Eurotium cristatum, a potential probiotic fungus from Fuzhuan brick tea, alleviated obesity in mice by modulating gut microbiota. Food and Function, 2019, 10, 5032-5045.	4.6	61
8	CD4/CD8 Ratio and KT Ratio Predict Yellow Fever Vaccine Immunogenicity in HIV-Infected Patients. PLoS Neglected Tropical Diseases, 2016, 10, e0005219.	3.0	50
9	QUINACRINE IS MAINLY METABOLIZED TO MONO-DESETHYL QUINACRINE BY CYP3A4/5 AND ITS BRAIN ACCUMULATION IS LIMITED BY P-GLYCOPROTEIN. Drug Metabolism and Disposition, 2006, 34, 1136-1144.	3.3	46
10	Leinamycin E1 acting as an anticancer prodrug activated by reactive oxygen species. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8278-8283.	7.1	45
11	Angucyclines and Angucyclinones from Streptomyces sp. CB01913 Featuring C-Ring Cleavage and Expansion. Journal of Natural Products, 2015, 78, 2471-2480.	3.0	41
12	The Application of Ribosome Engineering to Natural Product Discovery and Yield Improvement in Streptomyces. Antibiotics, 2019, 8, 133.	3.7	34
13	A Dedicated Phosphopantetheinyl Transferase for the Fredericamycin Polyketide Synthase from Streptomyces griseus. Journal of Biological Chemistry, 2006, 281, 29660-29668.	3.4	32
14	Bifunctional Acyltransferase/Decarboxylase LnmK as the Missing Link for Î²-Alkylation in Polyketide Biosynthesis. Journal of the American Chemical Society, 2009, 131, 6900-6901.	13.7	31
15	Characterization of the lnmKLM Genes Unveiling Key Intermediates for Î²-Alkylation in Leinamycin Biosynthesis. Organic Letters, 2011, 13, 498-501.	4.6	29
16	Ribosome engineering and fermentation optimization leads to overproduction of tiancimycin A, a new enediyne natural product from Streptomyces sp. CB03234. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 141-151.	3.0	29
17	Huanglongmycin A-C, Cytotoxic Polyketides Biosynthesized by a Putative Type II Polyketide Synthase From Streptomyces sp. CB09001. Frontiers in Chemistry, 2018, 6, 254.	3.6	28
18	Streptomycinâ€induced ribosome engineering complemented with fermentation optimization for enhanced production of 10â€membered enediynes tiancimycinâ€A and tiancimycinâ€D. Biotechnology and Bioengineering, 2019, 116, 1304-1314.	3.3	28

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19	Recycling of Chinese herb residues by endophytic and probiotic fungus Aspergillus cristatus CB10002 for the production of medicinal valuable anthraquinones. Microbial Cell Factories, 2019, 18, 102.	4.0	27
20	Biosynthesis of thiocarboxylic acid-containing natural products. Nature Communications, 2018, 9, 2362.	12.8	26
21	Isolation and Characterization of Benzaldehyde Derivatives with Anti-Inflammatory Activities from Eurotium cristatum, the Dominant Fungi Species in Fuzhuan Brick Tea. ACS Omega, 2019, 4, 6630-6636.	3.5	26
22	A UPLCâ€“MS/MS method for simultaneous determination of danshensu, protocatechuic aldehyde, rosmarinic acid, and ligustrazine in rat plasma, and its application to pharmacokinetic studies of Shenxiong glucose injection in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 997, 210-217.	2.3	25
23	Titer improvement and pilot-scale production of platensimycin from Streptomyces platensis SB12026. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1027-1035.	3.0	25
24	Strain improvement by combined UV mutagenesis and ribosome engineering and subsequent fermentation optimization for enhanced 6â€²-deoxy-bleomycin Z production. Applied Microbiology and Biotechnology, 2018, 102, 1651-1661.	3.6	25
25	Evaluation of the impact of Polygonum capitatum, a traditional Chinese herbal medicine, on rat hepatic cytochrome P450 enzymes by using a cocktail of probe drugs. Journal of Ethnopharmacology, 2014, 158, 276-282.	4.1	23
26	Yangpumicins F and G, Enediyne Congeners from Micromonospora yangpuensis DSM 45577. Journal of Natural Products, 2019, 82, 2483-2488.	3.0	23
27	Platensimycin-Encapsulated Poly(lactic-co-glycolic acid) and Poly(amidoamine) Dendrimers Nanoparticles with Enhanced Anti-Staphylococcal Activity in Vivo. Bioconjugate Chemistry, 2020, 31, 1425-1437.	3.6	22
28	Co-amorphous systems of sinomenine with nonsteroidal anti-inflammatory drugs: A strategy for solubility improvement, sustained release, and drug combination therapy against rheumatoid arthritis. International Journal of Pharmaceutics, 2021, 606, 120894.	5.2	21
29	A point cloud-based deep learning strategy for proteinâ€“ligand binding affinity prediction. Briefings in Bioinformatics, 2022, 23, .	6.5	21
30	Evaluation of Platensimycin and Platensimycin-Inspired Thioether Analogues against Methicillin-Resistant Staphylococcus aureus in Topical and Systemic Infection Mouse Models. Molecular Pharmaceutics, 2019, 16, 3065-3071.	4.6	20
31	Platensimycin-Encapsulated Liposomes or Micelles as Biosafe Nanoantibiotics Exhibited Strong Antibacterial Activities against Methicillin-Resistant Staphylococcus aureus Infection in Mice. Molecular Pharmaceutics, 2020, 17, 2451-2462.	4.6	19
32	MicroRNA-133b inhibits the migration and invasion of non small cell lung cancer cells via targeting FSCN1. Oncology Letters, 2016, 12, 3619-3625.	1.8	18
33	Sinomenine-phenolic acid coamorphous drug systems: Solubilization, sustained release, and improved physical stability. International Journal of Pharmaceutics, 2021, 598, 120389.	5.2	18
34	Characterization of Chalkophomycin, a Copper(II) Metallophore with an Unprecedented Molecular Architecture. Journal of the American Chemical Society, 2021, 143, 20579-20584.	13.7	18
35	Biomimetic Stereoselective Sulfa-Michael Addition Leads to Platensimycin and Platencin Sulfur Analogues against Methicillin-Resistant Staphylococcus aureus. Journal of Natural Products, 2018, 81, 316-322.	3.0	17
36	The discovery and development of microbial bleomycin analogues. Applied Microbiology and Biotechnology, 2018, 102, 6791-6798.	3.6	17

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37	Genome shuffling based on different types of ribosome engineering mutants for enhanced production of 10-membered enediyne tiancimycin-A. Applied Microbiology and Biotechnology, 2020, 104, 4359-4369.	3.6	16
38	Simultaneous determination of human plasma protein binding of bioactive flavonoids in Polygonum orientale by equilibrium dialysis combined with UPLCâ€“MS/MS. Journal of Pharmaceutical Analysis, 2013, 3, 376-381.	5.3	15
39	Semisynthesis of Platensimycin Derivatives with Antibiotic Activities in Mice via Suzukiâ€“Miyaura Cross-Coupling Reactions. Journal of Medicinal Chemistry, 2018, 61, 11341-11348.	6.4	14
40	Late-Stage Functionalization of Platensimycin Leading to Multiple Analogues with Improved Antibacterial Activity in Vitro and in Vivo. Journal of Medicinal Chemistry, 2019, 62, 6682-6693.	6.4	14
41	Activation and Characterization of Bohemamine Biosynthetic Gene Cluster from Streptomyces sp. CB02009. Organic Letters, 2020, 22, 4614-4619.	4.6	14
42	Characterization of the Ketosynthase and Acyl Carrier Protein Domains at the LnmI Nonribosomal Peptide Synthetaseâ€“Polyketide Synthase Interface for Leinamycin Biosynthesis. Organic Letters, 2016, 18, 4288-4291.	4.6	13
43	Discovery of Alternative Producers of the Enediyne Antitumor Antibiotic C-1027 with High Titers. Journal of Natural Products, 2018, 81, 594-599.	3.0	13
44	Herbicidins from Streptomyces sp. CB01388 Showing Anti-Cryptosporidium Activity. Journal of Natural Products, 2018, 81, 791-797.	3.0	12
45	The semi-synthesis, biological evaluation and docking analysis of the oxime, hydrazine and hydrazide derivatives of platensimycin. MedChemComm, 2018, 9, 789-794.	3.4	12
46	Discovery of gas vesicles in Streptomyces sp. CB03234-S and potential effects of gas vesicle gene overexpression on morphological and metabolic changes in streptomycetes. Applied Microbiology and Biotechnology, 2019, 103, 5751-5761.	3.6	12
47	Sustained Release of Co-Amorphous Matrine-Type Alkaloids and Resveratrol with Anti-COVID-19 Potential. Pharmaceutics, 2022, 14, 603.	4.5	12
48	Characterization of LnmO as a pathway-specific Crp/Fnr-type positive regulator for leinamycin biosynthesis in Streptomyces atroolivaceus and its application for titer improvement. Applied Microbiology and Biotechnology, 2016, 100, 10555-10562.	3.6	11
49	A facile semi-synthetic approach towards halogen-substituted aminobenzoic acid analogues of platensimycin. Tetrahedron, 2017, 73, 771-775.	1.9	11
50	Germicidins Hâ€“J from Streptomyces sp. CB00361. Journal of Antibiotics, 2017, 70, 200-203.	2.0	11
51	Syn-2, 3-diols and anti-inflammatory indole derivatives from Streptomyces sp. CB09001. Natural Product Research, 2021, 35, 144-151.	1.8	11
52	Regulated drug bioanalysis for human pharmacokinetic studies and therapeutic drug management. Bioanalysis, 2012, 4, 1919-1931.	1.5	9
53	Hybrid Peptide-Polyketide Natural Products: Biosynthesis and Prospects Towards Engineering Novel Molecules. , 2003, 25, 227-267.		9
54	Liposome-Encapsulated Tiancimycin A Is Active against Melanoma and Metastatic Breast Tumors: The Effect of cRGD Modification of the Liposomal Carrier and Tiancimycin A Dose on Drug Activity and Toxicity. Molecular Pharmaceutics, 2022, 19, 1078-1090.	4.6	9

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55	A UPLC-MS Method for Simultaneous Determination of Geniposidic Acid, Two Lignans and Phenolics in Rat Plasma and its Application to Pharmacokinetic Studies of Eucommia ulmoides Extract in Rats. European Journal of Drug Metabolism and Pharmacokinetics, 2016, 41, 595-603.	1.6	8
56	Semisynthesis and Biological Evaluation of Platencin Thioether Derivatives: Dual FabF and FabH Inhibitors against MRSA. ACS Medicinal Chemistry Letters, 2021, 12, 433-442.	2.8	8
57	Nanoparticle-Hydrogel Systems Containing Platensimycin for Local Treatment of Methicillin-Resistant Staphylococcus aureus Infection. Molecular Pharmaceutics, 2021, 18, 4099-4110.	4.6	8
58	New isofuranonaphthoquinones and isoindolequinones from Streptomyces sp. CB01883. Journal of Antibiotics, 2017, 70, 414-422.	2.0	7
59	Discovery of Kirromycins with Anti-Wolbachia Activity from Streptomyces sp. CB00686. ACS Chemical Biology, 2019, 14, 1174-1182.	3.4	7
60	Fatty Acid Synthase Inhibitor Platensimycin Intervenes the Development of Nonalcoholic Fatty Liver Disease in a Mouse Model. Biomedicines, 2022, 10, 5.	3.2	7
61	Herb-Drug Interaction: Effects of RelinqingÂ® Granule on the Pharmacokinetics of Ciprofloxacin, Sulfamethoxazole, and Trimethoprim in Rats. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-6.	1.2	6
62	Semisynthesis and Biological Evaluation of Platensimycin Analogues with Varying Aminobenzoic Acids. ChemistrySelect, 2018, 3, 12625-12629.	1.5	6
63	Metabolomics reveals immunomodulation as a possible mechanism for the antibiotic effect of Persicaria capitata (Buch.-Ham. ex D. Don) H.Gross. Metabolomics, 2018, 14, 91.	3.0	6
64	Semisynthesis of 3â€Hydroxyoxindole Rapamycin Analogues Through Siteâ€•and Stereoselective Trapping of Oxonium Ylides in Rh^{II}â€Catalyzed Threeâ€Component Reactions. European Journal of Organic Chemistry, 2019, 2019, 2914-2918.	2.4	5
65	Stereoselective functionalization of platensimycin and platencin by sulfa-Michael/aldol reactions. Organic and Biomolecular Chemistry, 2019, 17, 4261-4272.	2.8	5
66	The Isolation of Pyrroloformamide Congeners and Characterization of Their Biosynthetic Gene Cluster. Journal of Natural Products, 2020, 83, 202-209.	3.0	5
67	Bioactive Î±-Pyrone Derivatives from the Endophytic Fungus Diaporthe sp. CB10100 as Inducible Nitric Oxide Synthase Inhibitors. Frontiers in Chemistry, 2021, 9, 679592.	3.6	5
68	Metabolic phenotyping in the mouse model of urinary tract infection shows that 3-hydroxybutyrate in plasma is associated with infection. PLoS ONE, 2017, 12, e0186497.	2.5	5
69	Undescribed benzophenone and xanthones from cave-derived Streptomyces sp. CB09001. Natural Product Research, 2022, 36, 1725-1733.	1.8	4
70	Degradation of mirubactin to multiple siderophores with varying Fe(<scp>iii</scp>) chelation properties. Organic and Biomolecular Chemistry, 2022, 20, 5066-5070.	2.8	3
71	Association of Pharmacogenetic Markers With Atazanavir Exposure in HIVâ€Infected Women. Clinical Pharmacology and Therapeutics, 2020, 107, 315-318.	4.7	2
72	Yield improvement of enediyne yangpumicins in Micromonospora yangpuensis through ribosome engineering and fermentation optimization. Biotechnology Journal, 2021, 16, 2100250.	3.5	2

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73	Discovery of a DNA Topoisomerase I Inhibitor Huanglongmycin N and Its Congeners from Streptomyces sp. CB09001. Journal of Organic Chemistry, 2021, 86, 16675-16683.	3.2	2
74	Characterization of co-amorphous sinomenine-tranilast systems with strong intermolecular interactions and sustained release profiles. Journal of Drug Delivery Science and Technology, 2022, 71, 103296.	3.0	2
75	Differentiation of Isomeric Polyphenolic Glycosides That Possess Regioisomeric Acylated Monosaccharide Residues by Electrospray Ionizationâ€“Tandem Mass Spectrometry. Spectroscopy Letters, 2014, 47, 19-23.	1.0	1
76	A Genomeâ€Wide Association Study Identifies a Candidate Gene Associated With Atazanavir Exposure Measured in Hair. Clinical Pharmacology and Therapeutics, 2018, 104, 949-956.	4.7	1
77	A 3â€hydroxyâ€3â€methylglutarylâ€CoA synthaseâ€based probe for the discovery of the acyltransferaseâ€less type I polyketide synthases. Environmental Microbiology, 2019, 21, 4270-4282.	3.8	1
78	Characterization of the complete chloroplast genome of Lonicera similis (Caprifoliaceae). Mitochondrial DNA Part B: Resources, 2021, 6, 3067-3069.	0.4	1
79	Synthesis and biological evaluation of platensic alcohol as an adamantane surrogate in antitumor drug lead adaphostin. Bioorganic and Medicinal Chemistry Letters, 2021, 48, 128270.	2.2	1
80	Integrating Constituents Absorbed into Blood, Network Pharmacology, and Quantitative Analysis to Reveal the Active Components in Rubus chingii var. suavissimus that Regulate Lipid Metabolism Disorder. Frontiers in Pharmacology, 2021, 12, 630198.	3.5	0
81	Morphing Natural Product Platensimycin via Heck, Sonogashira, and One-Pot Sonogashira/Cycloaddition Reactions to Produce Antibiotics with In Vivo Activity. Antibiotics, 2022, 11, 425.	3.7	0