

Clay C C Wang

List of Publications by Year in descending order

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66
papers

4,541
citations

136950

32
h-index

102487

66
g-index

67
all docs

67
docs citations

67
times ranked

3986
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromatin-level regulation of biosynthetic gene clusters. <i>Nature Chemical Biology</i> , 2009, 5, 462-464.	8.0	358
2	A Gene Cluster Containing Two Fungal Polyketide Synthases Encodes the Biosynthetic Pathway for a Polyketide, Asperfuranone, in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2009, 131, 2965-2970.	13.7	292
3	Advances in <i>Aspergillus</i> secondary metabolite research in the post-genomic era. <i>Natural Product Reports</i> , 2012, 29, 351.	10.3	233
4	Two Separate Gene Clusters Encode the Biosynthetic Pathway for the Meroterpenoids Austinol and Dehydroaustinol in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 4709-4720.	13.7	223
5	Molecular Genetic Mining of the <i>Aspergillus</i> Secondary Metabolome: Discovery of the Emericellamide Biosynthetic Pathway. <i>Chemistry and Biology</i> , 2008, 15, 527-532.	6.0	193
6	Plumbagin induces cell cycle arrest and apoptosis through reactive oxygen species/c-Jun N-terminal kinase pathways in human melanoma A375.S2 cells. <i>Cancer Letters</i> , 2008, 259, 82-98.	7.2	189
7	Recent advances in awakening silent biosynthetic gene clusters and linking orphan clusters to natural products in microorganisms. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 137-143.	6.1	181
8	An Efficient System for Heterologous Expression of Secondary Metabolite Genes in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 7720-7731.	13.7	180
9	Illuminating the Diversity of Aromatic Polyketide Synthases in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 8212-8221.	13.7	168
10	Characterization of the <i>Aspergillus nidulans</i> Monodictyphenone Gene Cluster. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2067-2074.	3.1	159
11	Genome-Based Deletion Analysis Reveals the Prenyl Xanthone Biosynthesis Pathway in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , 2011, 133, 4010-4017.	13.7	154
12	Identification and Characterization of the Asperthecin Gene Cluster of <i>Aspergillus nidulans</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 7607-7612.	3.1	149
13	Development of Genetic Dereplication Strains in <i>Aspergillus nidulans</i> Results in the Discovery of Aspercryptin. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1662-1665.	13.8	139
14	Toward Awakening Cryptic Secondary Metabolite Gene Clusters in Filamentous Fungi. <i>Methods in Enzymology</i> , 2012, 517, 303-324.	1.0	116
15	Overexpression of the <i>Aspergillus nidulans</i> histone 4 acetyltransferase <i>EsaA</i> increases activation of secondary metabolite production. <i>Molecular Microbiology</i> , 2012, 86, 314-330.	2.5	116
16	Recent advances in genome mining of secondary metabolite biosynthetic gene clusters and the development of heterologous expression systems in <i>Aspergillus nidulans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 433-442.	3.0	115
17	Characterization of <i>Aspergillus fumigatus</i> Isolates from Air and Surfaces of the International Space Station. <i>MSphere</i> , 2016, 1, .	2.9	108
18	Resistance Gene-Guided Genome Mining: Serial Promoter Exchanges in <i>Aspergillus nidulans</i> Reveal the Biosynthetic Pathway for Fellutamide B, a Proteasome Inhibitor. <i>ACS Chemical Biology</i> , 2016, 11, 2275-2284.	3.4	105

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19	bZIP transcription factors affecting secondary metabolism, sexual development and stress responses in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 77-88.	1.8	89
20	Microbial metabolomics in open microscale platforms. <i>Nature Communications</i> , 2016, 7, 10610.	12.8	86
21	Recent advances in the genome mining of <i>Aspergillus</i> secondary metabolites (covering) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.4	76
22	Discovery of McrA, a master regulator of <i>Aspergillus</i> secondary metabolism. <i>Molecular Microbiology</i> , 2017, 103, 347-365.	2.5	73
23	Biosynthetic Pathway of the Reduced Polyketide Product Citreoviridin in <i>Aspergillus terreus</i> var. <i>aureus</i> Revealed by Heterologous Expression in <i>Aspergillus nidulans</i> . <i>Organic Letters</i> , 2016, 18, 1366-1369.	4.6	57
24	Recent advances in genome mining of secondary metabolites in <i>Aspergillus terreus</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 717.	3.5	51
25	Identification and molecular genetic analysis of the cichorine gene cluster in <i>Aspergillus nidulans</i> . <i>MedChemComm</i> , 2012, 3, 997.	3.4	48
26	<i>Methylobacterium ajmalii</i> sp. nov., Isolated From the International Space Station. <i>Frontiers in Microbiology</i> , 2021, 12, 639396.	3.5	46
27	The fungal natural product azaphilone-9 binds to HuR and inhibits HuR-RNA interaction in vitro. <i>PLoS ONE</i> , 2017, 12, e0175471.	2.5	45
28	Azaphilones Inhibit Tau Aggregation and Dissolve Tau Aggregates <i>in Vitro</i> . <i>ACS Chemical Neuroscience</i> , 2015, 6, 751-760.	3.5	42
29	Characterization of <i>Aspergillus niger</i> Isolated from the International Space Station. <i>MSystems</i> , 2018, 3,	3.8	42
30	Advances in space microbiology. <i>IScience</i> , 2021, 24, 102395.	4.1	42
31	Reengineering an Azaphilone Biosynthesis Pathway in <i>Aspergillus nidulans</i> To Create Lipxygenase Inhibitors. <i>Organic Letters</i> , 2012, 14, 972-975.	4.6	38
32	Inhibition of Tau Aggregation by Three <i>Aspergillus nidulans</i> Secondary Metabolites: 2,1%-Dihydroxyemodin, Asperthecin, and Asperbenzaldehyde. <i>Planta Medica</i> , 2014, 80, 77-85.	1.3	38
33	Proteomic and Metabolomic Characteristics of Extremophilic Fungi Under Simulated Mars Conditions. <i>Frontiers in Microbiology</i> , 2019, 10, 1013.	3.5	36
34	Hybrid Transcription Factor Engineering Activates the Silent Secondary Metabolite Gene Cluster for (+)-Asperlin in <i>Aspergillus nidulans</i> . <i>ACS Chemical Biology</i> , 2018, 13, 3193-3205.	3.4	35
35	Genome mining and molecular characterization of the biosynthetic gene cluster of a diterpenic meroterpenoid, 15-deoxyoxalicine B, in <i>Penicillium canescens</i> . <i>Chemical Science</i> , 2015, 6, 6537-6544.	7.4	33
36	International Space Station conditions alter genomics, proteomics, and metabolomics in <i>Aspergillus nidulans</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1363-1377.	3.6	32

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37	Contributions of Spore Secondary Metabolites to UV-C Protection and Virulence Vary in Different <i>Aspergillus fumigatus</i> Strains. <i>MBio</i> , 2020, 11, .	4.1	32
38	Spatial regulation of a common precursor from two distinct genes generates metabolite diversity. <i>Chemical Science</i> , 2015, 6, 5913-5921.	7.4	31
39	Telomere position effect is regulated by heterochromatin-associated proteins and NkuA in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 3522-3531.	1.8	29
40	Proteomic characterization of <i>Aspergillus fumigatus</i> isolated from air and surfaces of the International Space Station. <i>Fungal Genetics and Biology</i> , 2019, 124, 39-46.	2.1	28
41	Engineering Fungal Nonribosomal Peptide Synthetase-like Enzymes by Heterologous Expression and Domain Swapping. <i>Organic Letters</i> , 2016, 18, 6236-6239.	4.6	27
42	Characterization of the product of a nonribosomal peptide synthetase-like (NRPS-like) gene using the doxycycline dependent Tet-on system in <i>Aspergillus terreus</i> . <i>Fungal Genetics and Biology</i> , 2016, 89, 84-88.	2.1	24
43	Asperfuranone from <i>Aspergillus nidulans</i> Inhibits Proliferation of Human Non-Small Cell Lung Cancer A549 Cells via Blocking Cell Cycle Progression and Inducing Apoptosis. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 107, 583-589.	2.5	22
44	Overexpression of a three-gene conidial pigment biosynthetic pathway in <i>Aspergillus nidulans</i> reveals the first NRPS known to acetylate tryptophan. <i>Fungal Genetics and Biology</i> , 2017, 101, 1-6.	2.1	21
45	Overexpression of an <i>LaeA</i> -like Methyltransferase Upregulates Secondary Metabolite Production in <i>Aspergillus nidulans</i> . <i>ACS Chemical Biology</i> , 2019, 14, 1643-1651.	3.4	21
46	Norsolorinic Acid from <i>Aspergillus nidulans</i> Inhibits the Proliferation of Human Breast Adenocarcinoma MCF7 Cells via Fas-Mediated Pathway. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 102, 491-497.	2.5	18
47	Draft Genome Sequences of Several Fungal Strains Selected for Exposure to Microgravity at the International Space Station. <i>Genome Announcements</i> , 2017, 5, .	0.8	17
48	Identification and Validation of an <i>Aspergillus nidulans</i> Secondary Metabolite Derivative as an Inhibitor of the Musashi-RNA Interaction. <i>Cancers</i> , 2020, 12, 2221.	3.7	17
49	Draft Genome Sequences of Two <i>Aspergillus fumigatus</i> Strains, Isolated from the International Space Station. <i>Genome Announcements</i> , 2016, 4, .	0.8	16
50	Metabolomic Analysis of <i>Aspergillus niger</i> Isolated From the International Space Station Reveals Enhanced Production Levels of the Antioxidant Pyranonigrin A. <i>Frontiers in Microbiology</i> , 2020, 11, 931.	3.5	16
51	Mating-type factor-specific regulation of the fumagillin/pseurotin secondary metabolite supercluster in <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2018, 110, 1045-1065.	2.5	15
52	Natural products development under epigenetic modulation in fungi. <i>Phytochemistry Reviews</i> , 2020, 19, 1323-1340.	6.5	14
53	An <i>Aspergillus nidulans</i> Platform for the Complete Cluster Refactoring and Total Biosynthesis of Fungal Natural Products. <i>ACS Synthetic Biology</i> , 2021, 10, 173-182.	3.8	14
54	NORSOLORINIC ACID INHIBITS PROLIFERATION OF T24 HUMAN BLADDER CANCER CELLS BY ARRESTING THE CELL CYCLE AT THE G ₀ /G ₁ PHASE AND INDUCING A FAS/MEMBRANE-BOUND FAS LIGAND-MEDIATED APOPTOTIC PATHWAY. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008, 35, 1301-1308.	1.9	13

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55	Identification of the pigment and its role in UV resistance in <i>Paecilomyces variotii</i> , a Chernobyl isolate, using genetic manipulation strategies. <i>Fungal Genetics and Biology</i> , 2021, 152, 103567.	2.1	13
56	Discovery and Elucidation of the Biosynthesis of Aspernidgulenes: Novel Polyenes from <i>Aspergillus nidulans</i> by Using Serial Promoter Replacement. <i>ChemBioChem</i> , 2019, 20, 329-334.	2.6	12
57	Development of Genetic Dereplication Strains in <i>Aspergillus nidulans</i> Results in the Discovery of Aspercryptin. <i>Angewandte Chemie</i> , 2016, 128, 1694-1697.	2.0	8
58	Looking Ahead to 2030: Survey of Evolving Needs in Pharmacy Education. <i>Pharmacy (Basel)</i> , 2022, 10, 622.	1.6	8
59	Expanding the Chemical Space of Nonribosomal Peptide Synthetase-like Enzymes by Domain and Tailoring Enzyme Recombination. <i>Organic Letters</i> , 2018, 20, 5082-5085.	4.6	7
60	The International Space Station Environment Triggers Molecular Responses in <i>Aspergillus niger</i> . <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	7
61	Epigenetic Manipulation Induces the Production of Coumarin-type Secondary Metabolite from <i>Arthrobotrys foliicola</i> . <i>Israel Journal of Chemistry</i> , 2019, 59, 432-438.	2.3	6
62	Genome-based deletion analysis in <i>Aspergillus terreus</i> reveals the acetylaranotin bis-thiomethyltransferase gene. <i>Fungal Genetics and Biology</i> , 2018, 119, 1-6.	2.1	5
63	Genomic Characterization of the Titan-like Cell Producing <i>Naganishia tulchinskyi</i> , the First Novel Eukaryote Isolated from the International Space Station. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 165.	3.5	5
64	Prevention of chronic HBV infection induced hepatocellular carcinoma development by using antiplatelet drugs. <i>Hepatobiliary Surgery and Nutrition</i> , 2012, 1, 57-8.	1.5	3
65	The sexual spore pigment asperthecin is required for normal ascospore production and protection from UV light in <i>Aspergillus nidulans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	2
66	Characterization of a silent azaphilone biosynthesis gene cluster in <i>Aspergillus terreus</i> NIH 2624. <i>Fungal Genetics and Biology</i> , 2022, 160, 103694.	2.1	2