

# Clay C C Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

3,398

citations

28

h-index

58

g-index

67

ext. papers

4,153

ext. citations

6.4

avg, IF

5.23

L-index

#	Paper	IF	Citations
63	Characterization of a silent azaphilone biosynthesis gene cluster in <i>Aspergillus terreus</i> NIH 2624.. <i>Fungal Genetics and Biology</i> , <b>2022</b> , 160, 103694	3.9	2
62	An Platform for the Complete Cluster Refactoring and Total Biosynthesis of Fungal Natural Products. <i>ACS Synthetic Biology</i> , <b>2021</b> , 10, 173-182	5.7	3
61	sp. nov., Isolated From the International Space Station. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 639396	5.7	13
60	Looking Ahead to 2030: Survey of Evolving Needs in Pharmacy Education. <i>Pharmacy (Basel, Switzerland)</i> , <b>2021</b> , 9,	2	1
59	Advances in space microbiology. <i>IScience</i> , <b>2021</b> , 24, 102395	6.1	7
58	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> , <b>2021</b> , 152, 103567	3.9	4
57	Natural products development under epigenetic modulation in fungi. <i>Phytochemistry Reviews</i> , <b>2020</b> , 19, 1323-1340	7.7	7
56	Contributions of Spore Secondary Metabolites to UV-C Protection and Virulence Vary in Different <i>Aspergillus fumigatus</i> Strains. <i>MBio</i> , <b>2020</b> , 11,	7.8	17
55	Metabolomic Analysis of Isolated From the International Space Station Reveals Enhanced Production Levels of the Antioxidant Pyranonigrin A. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 931	5.7	8
54	Identification and Validation of an Secondary Metabolite Derivative as an Inhibitor of the Musashi-RNA Interaction. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
53	Epigenetic Manipulation Induces the Production of Coumarin-Type Secondary Metabolite from <i>Arthrotrrys foliicola</i> . <i>Israel Journal of Chemistry</i> , <b>2019</b> , 59, 432-438	3.4	5
52	Overexpression of an LaeA-like Methyltransferase Upregulates Secondary Metabolite Production in. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1643-1651	4.9	11
51	Proteomic and Metabolomic Characteristics of Extremophilic Fungi Under Simulated Mars Conditions. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1013	5.7	17
50	Recent advances in the genome mining of secondary metabolites (covering 2012-2018). <i>MedChemComm</i> , <b>2019</b> , 10, 840-866	5	40
49	Proteomic characterization of <i>Aspergillus fumigatus</i> isolated from air and surfaces of the International Space Station. <i>Fungal Genetics and Biology</i> , <b>2019</b> , 124, 39-46	3.9	19
48	International Space Station conditions alter genomics, proteomics, and metabolomics in <i>Aspergillus nidulans</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 1363-1377	5.7	15
47	Discovery and Elucidation of the Biosynthesis of Aspernidgulenes: Novel Polyenes from <i>Aspergillus Nidulans</i> by Using Serial Promoter Replacement. <i>ChemBioChem</i> , <b>2019</b> , 20, 329-334	3.8	6

46	Genome-based deletion analysis in <i>Aspergillus terreus</i> reveals the acetylaranotin bis-thiomethyltransferase gene. <i>Fungal Genetics and Biology</i> , <b>2018</b> , 119, 1-6	3.9	3
45	Expanding the Chemical Space of Nonribosomal Peptide Synthetase-like Enzymes by Domain and Tailoring Enzyme Recombination. <i>Organic Letters</i> , <b>2018</b> , 20, 5082-5085	6.2	4
44	Mating-type factor-specific regulation of the fumagillin/pseurotin secondary metabolite supercluster in <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , <b>2018</b> , 110, 1045-1065	4.1	8
43	Hybrid Transcription Factor Engineering Activates the Silent Secondary Metabolite Gene Cluster for (+)-Asperlin in <i>Aspergillus nidulans</i> . <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 3193-3205	4.9	22
42	Characterization of <i>Aspergillus niger</i> Isolated from the International Space Station. <i>MSystems</i> , <b>2018</b> , 3,	7.6	27
41	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> , <b>2017</b> , 101, 1-6	3.9	15
40	The fungal natural product azaphilone-9 binds to HuR and inhibits HuR-RNA interaction in vitro. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175471	3.7	28
39	Draft Genome Sequences of Several Fungal Strains Selected for Exposure to Microgravity at the International Space Station. <i>Genome Announcements</i> , <b>2017</b> , 5,		13
38	Discovery of McrA, a master regulator of <i>Aspergillus</i> secondary metabolism. <i>Molecular Microbiology</i> , <b>2017</b> , 103, 347-365	4.1	45
37	Characterization of Isolates from Air and Surfaces of the International Space Station. <i>MSphere</i> , <b>2016</b> , 1,	5	61
36	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> , <b>2016</b> , 11, 2275-84	4.9	75
35	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> , <b>2016</b> , 89, 84-88	3.9	21
34	Microbial metabolomics in open microscale platforms. <i>Nature Communications</i> , <b>2016</b> , 7, 10610	17.4	67
33	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> , <b>2016</b> , 18, 1366-9	6.2	39
32	Development of Genetic Dereplication Strains in <i>Aspergillus nidulans</i> Results in the Discovery of Aspercryptin. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1694-1697	3.6	8
31	Development of Genetic Dereplication Strains in <i>Aspergillus nidulans</i> Results in the Discovery of Aspercryptin. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1662-5	16.4	87
30	Engineering Fungal Nonribosomal Peptide Synthetase-like Enzymes by Heterologous Expression and Domain Swapping. <i>Organic Letters</i> , <b>2016</b> , 18, 6236-6239	6.2	17
29	Draft Genome Sequences of Two <i>Aspergillus fumigatus</i> Strains, Isolated from the International Space Station. <i>Genome Announcements</i> , <b>2016</b> , 4,		12

28	Spatial regulation of a common precursor from two distinct genes generates metabolite diversity. <i>Chemical Science</i> , <b>2015</b> , 6, 5913-5921	9.4	23
27	Azaphilones inhibit tau aggregation and dissolve tau aggregates in vitro. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 751-60	5.7	35
26	Genome mining and molecular characterization of the biosynthetic gene cluster of a diterpenic meroterpenoid, 15-deoxyoxalicine B, in. <i>Chemical Science</i> , <b>2015</b> , 6, 6537-6544	9.4	19
25	Inhibition of Tau aggregation by three <i>Aspergillus nidulans</i> secondary metabolites: 2,6-dihydroxyemodin, asperthecin, and asperbenzaldehyde. <i>Planta Medica</i> , <b>2014</b> , 80, 77-85	3.1	28
24	Recent advances in genome mining of secondary metabolites in <i>Aspergillus terreus</i> . <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 717	5.7	37
23	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> , <b>2014</b> , 41, 433-42	4.2	84
22	An efficient system for heterologous expression of secondary metabolite genes in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7720-31	16.4	146
21	bZIP transcription factors affecting secondary metabolism, sexual development and stress responses in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 77-88	2.9	74
20	Overexpression of the <i>Aspergillus nidulans</i> histone 4 acetyltransferase EsaA increases activation of secondary metabolite production. <i>Molecular Microbiology</i> , <b>2012</b> , 86, 314-30	4.1	82
19	Advances in <i>Aspergillus</i> secondary metabolite research in the post-genomic era. <i>Natural Product Reports</i> , <b>2012</b> , 29, 351-71	15.1	205
18	Identification and molecular genetic analysis of the cichorine gene cluster in. <i>MedChemComm</i> , <b>2012</b> , 3,	5	23
17	Reengineering an azaphilone biosynthesis pathway in <i>Aspergillus nidulans</i> to create lipoxygenase inhibitors. <i>Organic Letters</i> , <b>2012</b> , 14, 972-5	6.2	32
16	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> , <b>2012</b> , 134, 4709-20	16.4	188
15	Illuminating the diversity of aromatic polyketide synthases in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8212-21	16.4	131
14	Toward awakening cryptic secondary metabolite gene clusters in filamentous fungi. <i>Methods in Enzymology</i> , <b>2012</b> , 517, 303-24	1.7	86
13	Prevention of chronic HBV infection induced hepatocellular carcinoma development by using antiplatelet drugs. <i>Hepatobiliary Surgery and Nutrition</i> , <b>2012</b> , 1, 57-8	2.1	3
12	Genome-based deletion analysis reveals the prenyl xanthone biosynthesis pathway in <i>Aspergillus nidulans</i> . <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4010-7	16.4	134
11	Recent advances in awakening silent biosynthetic gene clusters and linking orphan clusters to natural products in microorganisms. <i>Current Opinion in Chemical Biology</i> , <b>2011</b> , 15, 137-43	9.7	160

10	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> , <b>2010</b> , 107, 583-9	3.1	19
9	Telomere position effect is regulated by heterochromatin-associated proteins and NkuA in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 3522-3531	2.9	26
8	Characterization of the <i>Aspergillus nidulans</i> monodictyphenone gene cluster. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 2067-74	4.8	124
7	Chromatin-level regulation of biosynthetic gene clusters. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 462-4	11.7	292
6	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> , <b>2009</b> , 131, 2965-70	16.4	226
5	Norsolorinic acid inhibits proliferation of T24 human bladder cancer cells by arresting the cell cycle at the G0/G1 phase and inducing a Fas/membrane-bound Fas ligand-mediated apoptotic pathway. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2008</b> , 35, 1301-8	3	12
4	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> , <b>2008</b> , 259, 82-98	9.9	174
3	Identification and characterization of the asperthecin gene cluster of <i>Aspergillus nidulans</i> . <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 7607-12	4.8	126
2	Molecular genetic mining of the <i>Aspergillus</i> secondary metabolome: discovery of the emericellamide biosynthetic pathway. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 527-32		161
1	Norsolorinic acid from <i>Aspergillus nidulans</i> inhibits the proliferation of human breast adenocarcinoma MCF-7 cells via Fas-mediated pathway. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2008</b> , 102, 491-7	3.1	17