Zheng Wang

List of Publications by Year
in descending order

46	1,674	218677	289244
papers	citations	26 h-index	40 g-index

47	47	47	1918
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive evolution of a melanized fungus reveals robust augmentation of radiation resistance by abrogating <scp>nonâ€homologous endâ€joining</scp>. Environmental Microbiology, 2021, 23, 3627-3645.	3.8	8
2	CRISPR-based enrichment strategies for targeted sequencing. Biotechnology Advances, 2021, 46, 107672.	11.7	23
3	Systematic analysis, identification, and use of CRISPR/Cas13aâ€“associated crRNAs for sensitive and specific detection of the lcrV gene of Yersinia pestis. Diagnostic Microbiology and Infectious Disease, 2021, 99, 115275.	1.8	15
4	Transcriptomic and genomic changes associated with radioadaptation in Exophiala dermatitidis. Computational and Structural Biotechnology Journal, 2021, 19, 196-205.	4.1	13
5	Synthetic Porous Melanin. Journal of the American Chemical Society, 2021, 143, 3094-3103.	13.7	30
6	Allomelanin: A Biopolymer of Intrinsic Microporosity. Journal of the American Chemical Society, 2021, 143, 4005-4016.	13.7	41
7	Phenotypic Characterization and Comparative Genomics of the Melanin-Producing Yeast Exophiala lecanii-corni Reveals a Distinct Stress Tolerance Profile and Reduced Ribosomal Genetic Content. Journal of Fungi (Basel, Switzerland), 2021, 7, 1078.	3.5	9
8	Proteomics Reveals Distinct Changes Associated with Increased Gamma Radiation Resistance in the Black Yeast Exophiala dermatitidis. Genes, 2020, 11, 1128.	2.4	7
9	The response of the melanized yeast Exophiala dermatitidis to gamma radiation exposure. Environmental Microbiology, 2020, 22, 1310-1326.	3.8	17
10	Selenomelanin: An Abiotic Selenium Analogue of Pheomelanin. Journal of the American Chemical Society, 2020, 142, 12802-12810.	13.7	34
11	Melanin Produced by the Fast-Growing Marine Bacterium Vibrio natriegens through Heterologous Biosynthesis: Characterization and Application. Applied and Environmental Microbiology, 2020, 86, .	3.1	45
12	The Transcriptomic and Phenotypic Response of the Melanized Yeast Exophiala dermatitidis to Ionizing Particle Exposure. Frontiers in Microbiology, 2020, 11, 609996.	3.5	3
13	Synthetic Biology Tools for the Fast-Growing Marine Bacterium Vibrio natriegens. ACS Synthetic Biology, 2019, 8, 2069-2079.	3.8	60
14	Genome Sequence of the Black Yeast Exophiala lecanii-corni. Microbiology Resource Announcements, 2019, 8, .	0.6	7
15	Transcriptomic analysis reveals the relationship of melanization to growth and resistance to gamma radiation in Cryptococcus neoformans. Environmental Microbiology, 2019, 21, 2613-2628.	3.8	15
16	Development of a Genetic System for Marinobacter atlanticus CP1 (sp. nov.), a Wax Ester Producing Strain Isolated From an Autotrophic Biocathode. Frontiers in Microbiology, 2018, 9, 3176.	3.5	26
17	Reverse Engineering To Characterize Redox Properties: Revealing Melaninâ€™s Redox Activity through Mediated Electrochemical Probing. Chemistry of Materials, 2018, 30, 5814-5826.	6.7	36
18	Oxidase Activity of the Barnacle Adhesive Interface Involves Peroxide-Dependent Catechol Oxidase and Lysyl Oxidase Enzymes. ACS Applied Materials & Interfaces, 2017, 9, 11493-11505.	8.0	61

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19	Indole signalling and (micro)algal auxins decrease the virulence of <scp>V</scp>ibrio campbellii, a major pathogen of aquatic organisms. Environmental Microbiology, 2017, 19, 1987-2004.	3.8	39
20	Spectroelectrochemical Reverse Engineering DemonstratesThat Melaninâ€™s Redox and Radical Scavenging Activities Are Linked. Biomacromolecules, 2017, 18, 4084-4098.	5.4	63
21	Sequence basis of Barnacle Cement Nanostructure is Defined by Proteins with Silk Homology. Scientific Reports, 2016, 6, 36219.	3.3	79
22	Finished Genome Sequence of the Highly Multidrug-Resistant Human Urine Isolate Citrobacter freundii Strain SL151. Genome Announcements, 2016, 4, .	0.8	6
23	Complete Genome Sequence of Labrenzia sp. Strain CP4, Isolated from a Self-Regenerating Biocathode Biofilm. Genome Announcements, 2016, 4, .	0.8	1
24	Complete Genome Sequence of Marinobacter sp. CP1, Isolated from a Self-Regenerating Biocathode Biofilm. Genome Announcements, 2015, 3, .	0.8	14
25	Molt-dependent transcriptomic analysis of cement proteins in the barnacle Amphibalanus amphitrite. BMC Genomics, 2015, 16, 859.	2.8	46
26	Complete Genome Sequence of the Bioluminescent Marine Bacterium Vibrio harveyi ATCC 33843 (392) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	11
27	A Previously Uncharacterized, Nonphotosynthetic Member of the Chromatiaceae Is the Primary CO ₂ -Fixing Constituent in a Self-Regenerating Biocathode. Applied and Environmental Microbiology, 2015, 81, 699-712.	3.1	89
28	A novelVibriobeta-glucosidase (LamN) that hydrolyzes the algal storage polysaccharide laminarin. FEMS Microbiology Ecology, 2015, 91, fiv087.	2.7	14
29	Metaproteomic evidence of changes in protein expression following a change in electrode potential in a robust biocathode microbiome. Proteomics, 2015, 15, 3486-3496.	2.2	28
30	Comparative Genomic and Transcriptomic Analysis of Wangiella dermatitidis, A Major Cause of Phaeohyphomycosis and a Model Black Yeast Human Pathogen. G3: Genes, Genomes, Genetics, 2014, 4, 561-578.	1.8	58
31	Draft Genome Sequence of the Fast-Growing Marine Bacterium Vibrio natriegens Strain ATCC 14048. Genome Announcements, 2013, 1, .	0.8	28
32	Vibrio campbellii hmgA-mediated pyomelanization impairs quorum sensing, virulence, and cellular fitness. Frontiers in Microbiology, 2013, 4, 379.	3.5	21
33	Adaptation of the Black Yeast Wangiella dermatitidis to Ionizing Radiation: Molecular and Cellular Mechanisms. PLoS ONE, 2012, 7, e48674.	2.5	76
34	Function and Regulation of Vibrio campbellii Proteorhodopsin: Acquired Phototrophy in a Classical Organoheterotroph. PLoS ONE, 2012, 7, e38749.	2.5	42
35	Broad Spectrum Respiratory Pathogen Analysis of Throat Swabs from Military Recruits Reveals Interference Between Rhinoviruses and Adenoviruses. Microbial Ecology, 2010, 59, 623-634.	2.8	43
36	Identification of non-coding RNAs in environmental vibrios. Microbiology (United Kingdom), 2010, 156, 2452-2458.	1.8	14

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37	Universal Detection and Identification of Avian Influenza Virus by Use of Resequencing Microarrays. Journal of Clinical Microbiology, 2009, 47, 988-993.	3.9	34
38	Testing and Validation of High Density Resequencing Microarray for Broad Range Biothreat Agents Detection. PLoS ONE, 2009, 4, e6569.	2.5	52
39	Resequencing microarray probe design for typing genetically diverse viruses: human rhinoviruses and enteroviruses. BMC Genomics, 2008, 9, 577.	2.8	31
40	Application of Broad-Spectrum, Sequence-Based Pathogen Identification in an Urban Population. PLoS ONE, 2007, 2, e419.	2.5	33
41	Broad-spectrum respiratory tract pathogen identification using resequencing DNA microarrays. Genome Research, 2006, 16, 527-535.	5.5	130
42	Identifying Influenza Viruses with Resequencing Microarrays. Emerging Infectious Diseases, 2006, 12, 638-646.	4.3	73
43	Automated identification of multiple micro-organisms from resequencing DNA microarrays. Nucleic Acids Research, 2006, 34, 5300-5311.	14.5	50
44	Simultaneous Detection of Four Human Pathogenic Microsporidian Species from Clinical Samples by Oligonucleotide Microarray. Journal of Clinical Microbiology, 2005, 43, 4121-4128.	3.9	41
45	Detection and Genotyping of Entamoeba histolytica , Entamoeba dispar , Giardia lamblia , and Cryptosporidium parvum by Oligonucleotide Microarray. Journal of Clinical Microbiology, 2004, 42, 3262-3271.	3.9	58
46	WdChs4p, a Homolog of Chitin Synthase 3 in Saccharomyces cerevisiae , Alone Cannot Support Growth of Wangiella (Exophiala) dermatitidis at the Temperature of Infection. Infection and Immunity, 1999, 67, 6619-6630.	2.2	49