Joseph Alexander Christie-Oleza

List of Publications by Year
in descending order

46 papers	3,187 citations	257450 24 h-index	214800 47 g-index
54 all docs	54 docs citations	54 times ranked	4002 citing authors

#	ARTICLE	IF	CITATIONS
1	Cell size matters: Nano- and micro-plastics preferentially drive declines of large marine phytoplankton due to co-aggregation. Journal of Hazardous Materials, 2022, 424, 127488.	12.4	20
2	Environmental fate of microplastics in the world's third-largest river: Basin-wide investigation and microplastic community analysis. Water Research, 2022, 210, 118002.	11.3	96
3	A widely distributed phosphate-insensitive phosphatase presents a route for rapid organophosphorus remineralization in the biosphere. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	26
4	Microbial pioneers of plastic colonisation in coastal seawaters. Marine Pollution Bulletin, 2022, 179, 113701.	5.0	31
5	A mechanistic understanding of polyethylene biodegradation by the marine bacterium Alcanivorax. Journal of Hazardous Materials, 2022, 436, 129278.	12.4	34
6	Phytoplankton trigger the production of cryptic metabolites in the marine actinobacterium <i>Salinispora tropica</i>. Microbial Biotechnology, 2021, 14, 291-306.	4.2	16
7	Environmentally relevant concentrations of titanium dioxide nanoparticles pose negligible risk to marine microbes. Environmental Science: Nano, 2021, 8, 1236-1255.	4.3	29
8	Pili allow dominant marine cyanobacteria to avoid sinking and evade predation. Nature Communications, 2021, 12, 1857.	12.8	22
9	A Novel Ca2+ Signaling Pathway Coordinates Environmental Phosphorus Sensing and Nitrogen Metabolism in Marine Diatoms. Current Biology, 2021, 31, 978-989.e4.	3.9	24
10	Investigating the Impact of Cerium Oxide Nanoparticles Upon the Ecologically Significant Marine Cyanobacterium Prochlorococcus. Frontiers in Marine Science, 2021, 8, .	2.5	13
11	A multi-OMIC characterisation of biodegradation and microbial community succession within the PET plastisphere. Microbiome, 2021, 9, 141.	11.1	49
12	Genome of Alcanivorax sp. 24: A hydrocarbon degrading bacterium isolated from marine plastic debris. Marine Genomics, 2020, 49, 100686.	1.1	28
13	Early Colonization of Weathered Polyethylene by Distinct Bacteria in Marine Coastal Seawater. Microbial Ecology, 2020, 79, 517-526.	2.8	96
14	Plasticizer Degradation by Marine Bacterial Isolates: A Proteogenomic and Metabolomic Characterization. Environmental Science & Technology, 2020, 54, 2244-2256.	10.0	97
15	Mechanisms of silver nanoparticle toxicity on the marine cyanobacterium Prochlorococcus under environmentally-relevant conditions. Science of the Total Environment, 2020, 747, 141229.	8.0	31
16	Marine Plastic Debris: A New Surface for Microbial Colonization. Environmental Science & Technology, 2020, 54, 11657-11672.	10.0	259
17	Beyond oil degradation: enzymatic potential of <i>Alcanivorax</i> to degrade natural and synthetic polyesters. Environmental Microbiology, 2020, 22, 1356-1369.	3.8	53
18	Understanding microbial community dynamics to improve optimal microbiome selection. Microbiome, 2019, 7, 85.	11.1	233

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19	Riding the wave of genomics to investigate aquatic coliphage diversity and activity. Environmental Microbiology, 2019, 21, 2112-2128.	3.8	33
20	Distribution of plastic polymer types in the marine environment; A meta-analysis. Journal of Hazardous Materials, 2019, 369, 691-698.	12.4	508
21	Manganese Oxide Biomineralization Provides Protection against Nitrite Toxicity in a Cell-Density-Dependent Manner. Applied and Environmental Microbiology, 2019, 85, .	3.1	12
22	100 Days of marine <i>Synechococcus</i>â€“<i>Ruegeria pomeroyi</i> interaction: A detailed analysis of the exoproteome. Environmental Microbiology, 2018, 20, 785-799.	3.8	19
23	Lost, but Found with Nile Red: A Novel Method for Detecting and Quantifying Small Microplastics (1) Tj ETQq1 1 0.784314 rgBT /Ove	10.0	519
24	Nutrient recycling facilitates long-term stability of marine microbial phototrophâ€“heterotroph interactions. Nature Microbiology, 2017, 2, 17100.	13.3	181
25	Proteomics of the <i>Roseobacter</i> clade, a window to the marine microbiology landscape. Proteomics, 2015, 15, 3928-3942.	2.2	12
26	Functional distinctness in the exoproteomes of marine <scp><i>S</i></scp><i>ynechococcus</i>. Environmental Microbiology, 2015, 17, 3781-3794.	3.8	55
27	â€œYou produce while I clean upâ€, a strategy revealed by exoproteomics during <i>Synechococcus</i>â€“<i>Roseobacter</i> interactions. Proteomics, 2015, 15, 3454-3462.	2.2	50
28	Defining a Pipeline for Metaproteomic Analyses. Springer Protocols, 2015, , 99-110.	0.3	1
29	Proteomics meets blue biotechnology: A wealth of novelties and opportunities. Marine Genomics, 2014, 17, 35-42.	1.1	23
30	N-Terminal-oriented Proteogenomics of the Marine Bacterium Roseobacter Denitrificans Och114 using and Diagonal Chromatography. Molecular and Cellular Proteomics, 2014, 13, 1369-1381.	3.8	37
31	Assessing the Exoproteome of Marine Bacteria, Lesson from a RTX-Toxin Abundantly Secreted by Phaeobacter Strain DSM 17395. PLoS ONE, 2014, 9, e89691.	2.5	10
32	Shotgun nanoLCâ€MS/MS proteogenomics to document MALDIâ€TOF biomarkers for screening new members of the <i>Ruegeria</i> genus. Environmental Microbiology, 2013, 15, 133-147.	3.8	25
33	Characterization of bacterial consortia from diesel-contaminated Antarctic soils: Towards the design of tailored formulas for bioaugmentation. International Biodeterioration and Biodegradation, 2013, 77, 22-30.	3.9	55
34	Proteogenomic Definition of Biomarkers for the Large <i>Roseobacter</i> Clade and Application for a Quick Screening of New Environmental Isolates. Journal of Proteome Research, 2013, 12, 5331-5339.	3.7	15
35	MiniUIB, a Novel Minitransposon-Based System for Stable Insertion of Foreign DNA into the Genomes of Gram-Negative and Gram-Positive Bacteria. Applied and Environmental Microbiology, 2013, 79, 1629-1638.	3.1	1
36	Draft Genome Sequence of Citreicella aestuarii Strain 357, a Member of the Roseobacter Clade Isolated without Xenobiotic Pressure from a Petroleum-Polluted Beach. Journal of Bacteriology, 2012, 194, 5464-5465.	2.2	5

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37	Proteomic insights into the lifestyle of an environmentally relevant marine bacterium. ISME Journal, 2012, 6, 124-135.	9.8	100
38	Exoproteomics: exploring the world around biological systems. Expert Review of Proteomics, 2012, 9, 561-575.	3.0	80
39	Comparative Proteogenomics of Twelve Roseobacter Exoproteomes Reveals Different Adaptive Strategies Among These Marine Bacteria. Molecular and Cellular Proteomics, 2012, 11, M111.013110.	3.8	73
40	High-throughput proteogenomics of Ruegeria pomeroyi: seeding a better genomic annotation for the whole marine Roseobacter clade. BMC Genomics, 2012, 13, 73.	2.8	38
41	In-Depth Analysis of Exoproteomes from Marine Bacteria by Shotgun Liquid Chromatography-Tandem Mass Spectrometry: the Ruegeria pomeroyi DSS-3 Case-Study. Marine Drugs, 2010, 8, 2223-2239.	4.6	52
42	TnpR Encoded by an IS <i>Ppu12</i> Isoform Regulates Transposition of Two Different IS <i>L3</i> -Like Insertion Sequences in <i>Pseudomonas stutzeri</i> after Conjugative Interaction. Journal of Bacteriology, 2010, 192, 1423-1432.	2.2	13
43	Bacterial Community Dynamics during Bioremediation of Diesel Oil-Contaminated Antarctic Soil. Microbial Ecology, 2009, 57, 598-610.	2.8	61
44	Physiological role of NahW, the additional salicylate hydroxylase found in<i>Pseudomonas stutzeri</i>AN10. FEMS Microbiology Letters, 2009, 300, 265-272.	1.8	18
45	Conjugative Interaction Induces Transposition of IS <i>Pst9</i> in <i>Pseudomonas stutzeri</i> AN10. Journal of Bacteriology, 2009, 191, 1239-1247.	2.2	17
46	ISPst9, an ISL3-like insertion sequence from Pseudomonas stutzeri AN10 involved in catabolic gene inactivation. International Microbiology, 2008, 11, 101-10.	2.4	12