

Jason C Kwan

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,761
citations

257357

24
h-index

302012

39
g-index

47
all docs

47
docs citations

47
times ranked

2250
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome streamlining and chemical defense in a coral reef symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20655-20660.	3.3	146
2	Anticancer Activity of Largazole, a Marine-Derived Tunable Histone Deacetylase Inhibitor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 351-361.	1.3	106
3	Grassystatins A-C from Marine Cyanobacteria, Potent Cathepsin E Inhibitors That Reduce Antigen Presentation. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5732-5747.	2.9	90
4	An antifungal polyketide associated with horizontally acquired genes supports symbiont-mediated defense in <i>Lagria villosa</i> beetles. <i>Nature Communications</i> , 2018, 9, 2478.	5.8	86
5	Species specificity of symbiosis and secondary metabolism in ascidians. <i>ISME Journal</i> , 2015, 9, 615-628.	4.4	85
6	Lyngbyoic acid, a ω -tagged fatty acid from a marine cyanobacterium, disrupts quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular BioSystems</i> , 2011, 7, 1205.	2.9	80
7	Structure and Biosynthesis of the Antibiotic Bottromycin D. <i>Organic Letters</i> , 2012, 14, 5050-5053.	2.4	80
8	Accessing chemical diversity from the uncultivated symbionts of small marine animals. <i>Nature Chemical Biology</i> , 2018, 14, 179-185.	3.9	80
9	Isolation and Biological Evaluation of 8-epi-Malyngamide C from the Floridian Marine Cyanobacterium <i>Lyngbya majuscula</i> . <i>Journal of Natural Products</i> , 2010, 73, 463-466.	1.5	79
10	Lyngbyastatins 8-10, Elastase Inhibitors with Cyclic Depsipeptide Scaffolds Isolated from the Marine Cyanobacterium <i>Lyngbya semiplena</i> . <i>Marine Drugs</i> , 2009, 7, 528-538.	2.2	76
11	A Bacterial Source for Mollusk Pyrone Polyketides. <i>Chemistry and Biology</i> , 2013, 20, 73-81.	6.2	71
12	Autometa: automated extraction of microbial genomes from individual shotgun metagenomes. <i>Nucleic Acids Research</i> , 2019, 47, e57-e57.	6.5	69
13	Total Structure Determination of Grassypeptolide, a New Marine Cyanobacterial Cytotoxin. <i>Organic Letters</i> , 2008, 10, 789-792.	2.4	67
14	Molassamide, a Depsipeptide Serine Protease Inhibitor from the Marine Cyanobacterium <i>Dichothrix utahensis</i> . <i>Journal of Natural Products</i> , 2010, 73, 459-462.	1.5	61
15	Grassypeptolides A-C, Cytotoxic Bis-thiazoline Containing Marine Cyclodepsipeptides. <i>Journal of Organic Chemistry</i> , 2010, 75, 8012-8023.	1.7	54
16	Microbial-derived products as potential new antimicrobials. <i>Veterinary Research</i> , 2018, 49, 66.	1.1	53
17	Horizontal Gene Transfer to a Defensive Symbiont with a Reduced Genome in a Multipartite Beetle Microbiome. <i>MBio</i> , 2020, 11, .	1.8	52
18	Bacterial Endosymbiosis in a Chordate Host: Long-Term Co-Evolution and Conservation of Secondary Metabolism. <i>PLoS ONE</i> , 2013, 8, e80822.	1.1	52

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19	Increased Biosynthetic Gene Dosage in a Genome-Reduced Defensive Bacterial Symbiont. <i>MSystems</i> , 2017, 2, .	1.7	46
20	Lack of Overt Genome Reduction in the Bryostatin-Producing Bryozoan Symbiont <i>Candidatus Endobugula sertula</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 6573-6583.	1.4	41
21	Single sample resolution of rare microbial dark matter in a marine invertebrate metagenome. <i>Scientific Reports</i> , 2016, 6, 34362.	1.6	34
22	Host Control of Symbiont Natural Product Chemistry in Cryptic Populations of the Tunicate <i>Lissoclinum patella</i> . <i>PLoS ONE</i> , 2014, 9, e95850.	1.1	31
23	Evaluation of class I HDAC isoform selectivity of largazole analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3728-3731.	1.0	27
24	Origin of Chemical Diversity in Prochloron-Tunicate Symbiosis. <i>Applied and Environmental Microbiology</i> , 2016, 82, 3450-3460.	1.4	25
25	Interpreting Microbial Biosynthesis in the Genomic Age: Biological and Practical Considerations. <i>Marine Drugs</i> , 2017, 15, 165.	2.2	21
26	Grassypeptolides as Natural Inhibitors of Dipeptidyl Peptidase 8 and Ca^{2+} Cell Activation. <i>ChemBioChem</i> , 2014, 15, 799-804.	1.3	19
27	Discovery, Synthesis, Pharmacological Profiling, and Biological Characterization of Brintonamides Aâ€‘E, Novel Dual Protease and GPCR Modulators from a Marine Cyanobacterium. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6364-6378.	2.9	19
28	Weapons in Disguiseâ€”Activating Mechanisms and Protecting Group Chemistry in Nature. <i>Chemistry - A European Journal</i> , 2010, 16, 13020-13029.	1.7	14
29	Conserved bacterial genomes from two geographically isolated peritidal stromatolite formations shed light on potential functional guilds. <i>Environmental Microbiology Reports</i> , 2021, 13, 126-137.	1.0	11
30	<i>Stenotrophomonas</i> -Like Bacteria Are Widespread Symbionts in Cone Snail Venom Ducts. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	10
31	Discovery and Total Synthesis of Doscadenamide A: A Quorum Sensing Signaling Molecule from a Marine Cyanobacterium. <i>Organic Letters</i> , 2019, 21, 7274-7278.	2.4	10
32	Structural Dynamics and Molecular Evolution of the SARS-CoV-2 Spike Protein. <i>MBio</i> , 2022, 13, e0203021.	1.8	10
33	The Who, Why, and How of Small-Molecule Production in Invertebrate Microbiomes: Basic Insights Fueling Drug Discovery. <i>MSystems</i> , 2018, 3, .	1.7	8
34	Omics Technologies to Understand Activation of a Biosynthetic Gene Cluster in <i>Micromonospora</i> sp. WMMB235: Deciphering Keyicin Biosynthesis. <i>ACS Chemical Biology</i> , 2019, 14, 1260-1270.	1.6	8
35	Biological effects of <i>Byrsocarpus coccineus</i> in vitro. <i>Pharmaceutical Biology</i> , 2011, 49, 152-160.	1.3	7
36	Draft genome of <i>Bugula neritina</i> , a colonial animal packing powerful symbionts and potential medicines. <i>Scientific Data</i> , 2020, 7, 356.	2.4	6

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37	Cleaning up Polyketide Synthases. <i>Chemistry and Biology</i> , 2012, 19, 309-311.	6.2	5
38	Comparative Genomics Provides Insight into the Function of Broad-Host Range Sponge Symbionts. <i>MBio</i> , 2021, 12, e0157721.	1.8	5
39	Bifunctional Doscadenamides Activate Quorum Sensing in Gram-Negative Bacteria and Synergize with TRAIL to Induce Apoptosis in Cancer Cells. <i>Journal of Natural Products</i> , 2021, 84, 779-789.	1.5	3