

Julia Kubanek

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,608
citations

186265
28
h-index

189892
50
g-index

60
all docs

60
docs citations

60
times ranked

2901
citing authors

#	ARTICLE	IF	CITATIONS
1	Desorption electrospray ionization mass spectrometry reveals surface-mediated antifungal chemical defense of a tropical seaweed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7314-7319.	7.1	200
2	Macroalgal terpenes function as allelopathic agents against reef corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17726-17731.	7.1	190
3	A protein signal triggers sexual reproduction in <i>Brachionus plicatilis</i> (Rotifera). <i>Marine Biology</i> , 2006, 149, 763-773.	1.5	145
4	Multiple defensive roles for triterpene glycosides from two Caribbean sponges. <i>Oecologia</i> , 2002, 131, 125-136.	2.0	144
5	Recent trends in the structural revision of natural products. <i>Natural Product Reports</i> , 2018, 35, 514-531.	10.3	129
6	Predator lipids induce paralytic shellfish toxins in bloom-forming algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6395-6400.	7.1	125
7	Does the red tide dinoflagellate <i>Karenia brevis</i> use allelopathy to outcompete other phytoplankton?. <i>Limnology and Oceanography</i> , 2005, 50, 883-895.	3.1	118
8	Metabolomics and proteomics reveal impacts of chemically mediated competition on marine plankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9009-9014.	7.1	112
9	Effects of harmful algal blooms on competitors: Allelopathic mechanisms of the red tide dinoflagellate <i>Karenia brevis</i> . <i>Limnology and Oceanography</i> , 2008, 53, 531-541.	3.1	107
10	Antineoplastic Diterpene Benzoate Macrolides from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Organic Letters</i> , 2005, 7, 5261-5264.	4.6	77
11	Antimalarial Bromophycolides from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Journal of Organic Chemistry</i> , 2009, 74, 2736-2742.	3.2	77
12	Characterization of allelopathic compounds from the red tide dinoflagellate <i>Karenia brevis</i> . <i>Harmful Algae</i> , 2010, 10, 39-48.	4.8	65
13	Community and ecosystem level consequences of chemical cues in the plankton. <i>Journal of Chemical Ecology</i> , 2002, 28, 2001-2016.	1.8	64
14	Bioactive Bromophycolides from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Journal of Natural Products</i> , 2010, 73, 275-278.	3.0	53
15	Callophycoic Acids and Callophycols from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Journal of Organic Chemistry</i> , 2007, 72, 7343-7351.	3.2	52
16	Bromophycolides from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Journal of Natural Products</i> , 2006, 69, 731-735.	3.0	49
17	Chemical encoding of risk perception and predator detection among estuarine invertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 662-667.	7.1	49
18	Ecological leads for natural product discovery: novel sesquiterpene hydroquinones from the red macroalga <i>Peyssonnelia</i> sp.. <i>Tetrahedron</i> , 2010, 66, 455-461.	1.9	47

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19	Chemical defense of the red tide dinoflagellate <i>Karenia brevis</i> against rotifer grazing. <i>Limnology and Oceanography</i> , 2007, 52, 1026-1035.	3.1	46
20	Chemical ecology of the marine plankton. <i>Natural Product Reports</i> , 2011, 28, 388-399.	10.3	46
21	Competing phytoplankton undermines allelopathy of a bloom-forming dinoflagellate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2733-2741.	2.6	45
22	<i>Karenia brevis</i> allelopathy compromises the lipidome, membrane integrity, and photosynthesis of competitors. <i>Scientific Reports</i> , 2018, 8, 9572.	3.3	42
23	Chemical ecology of the marine plankton. <i>Natural Product Reports</i> , 2019, 36, 1093-1116.	10.3	39
24	Chemical ecology of the marine plankton. <i>Natural Product Reports</i> , 2009, 26, 729.	10.3	37
25	Chemical ecology of marine plankton. <i>Natural Product Reports</i> , 2016, 33, 843-860.	10.3	37
26	Poor resource quality lowers transmission potential by changing foraging behaviour. <i>Functional Ecology</i> , 2014, 28, 1245-1255.	3.6	35
27	Structure and biological evaluation of novel cytotoxic sterol glycosides from the marine red alga <i>Peyssonnelia</i> sp.. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 8264-8269.	3.0	31
28	Bromophycoic Acids: Bioactive Natural Products from a Fijian Red Alga <i>Callophycus</i> sp.. <i>Journal of Organic Chemistry</i> , 2012, 77, 8000-8006.	3.2	31
29	Variable allelopathy among phytoplankton reflected in red tide metabolome. <i>Harmful Algae</i> , 2018, 71, 50-56.	4.8	31
30	A blueprint for academic laboratories to produce SARS-CoV-2 quantitative RT-PCR test kits. <i>Journal of Biological Chemistry</i> , 2020, 295, 15438-15453.	3.4	31
31	Antimalarial Peptide and Polyketide Natural Products from the Fijian Marine Cyanobacterium <i>Moorea</i> producens. <i>Marine Drugs</i> , 2020, 18, 167.	4.6	29
32	Peyssonnosides A–B, Unusual Diterpene Glycosides with a Sterically Encumbered Cyclopropane Motif: Structure Elucidation Using an Integrated Spectroscopic and Computational Workflow. <i>Journal of Organic Chemistry</i> , 2019, 84, 8531-8541.	3.2	26
33	Marine and terrestrial herbivores display convergent chemical ecology despite 400 million years of independent evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12110-12115.	7.1	24
34	Experimental validation of FINDSITEcomb virtual ligand screening results for eight proteins yields novel nanomolar and micromolar binders. <i>Journal of Cheminformatics</i> , 2014, 6, 16.	6.1	23
35	Are offshore phytoplankton susceptible to <i>Karenia brevis</i> allelopathy?. <i>Journal of Plankton Research</i> , 2014, 36, 1344-1356.	1.8	22
36	Antibacterial Oligomeric Polyphenols from the Green Alga <i>Cladophora socialis</i> . <i>Journal of Organic Chemistry</i> , 2019, 84, 5035-5045.	3.2	22

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37	Bromophycolide A Targets Heme Crystallization in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>ChemMedChem</i> , 2011, 6, 1572-1577.	3.2	21
38	Marine Natural Products as Leads against SARS-CoV-2 Infection. <i>Journal of Natural Products</i> , 2022, 85, 657-665.	3.0	21
39	Chemical ecology of the marine plankton. <i>Natural Product Reports</i> , 2013, 30, 1364.	10.3	20
40	Iodinated Meroditerpenes from a Red Alga <i>Callophycus</i> sp.. <i>Journal of Organic Chemistry</i> , 2017, 82, 4160-4169.	3.2	16
41	Quorum Sensing in Rotifers. , 0, , 453-461.		16
42	Identification of RL-TGR, a coreceptor involved in aversive chemical signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12339-12344.	7.1	14
43	Reception of Aversive Taste. <i>Integrative and Comparative Biology</i> , 2015, 55, 507-517.	2.0	12
44	Harmful alga trades off growth and toxicity in response to cues from dead phytoplankton. <i>Limnology and Oceanography</i> , 2020, 65, 1723-1733.	3.1	10
45	Pharmacokinetics, Metabolism, and in Vivo Efficacy of the Antimalarial Natural Product Bromophycolide A. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 989-993.	2.8	9
46	Chemical defenses against herbivores and fungi limit establishment of fungal farms on salt marsh angiosperms. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 122-130.	1.5	9
47	Pentagalloyl glucose from <i>Schinus terebinthifolia</i> inhibits growth of carbapenem-resistant <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2020, 10, 15340.	3.3	9
48	Microbial and chemical dynamics of a toxic dinoflagellate bloom. <i>PeerJ</i> , 2020, 8, e9493.	2.0	9
49	New methods for isolation and structure determination of natural products. <i>Natural Product Reports</i> , 2019, 36, 942-943.	10.3	8
50	Comparative transcriptomics supports the presence of G protein-coupled receptor-based signaling in unicellular marine eukaryotes. <i>Limnology and Oceanography</i> , 2020, 65, 762-774.	3.1	8
51	Predator cues target signaling pathways in toxic algal metabolome. <i>Limnology and Oceanography</i> , 2022, 67, 1227-1237.	3.1	7
52	Molecules as Biotic Messengers. <i>ACS Omega</i> , 2018, 3, 4048-4053.	3.5	4
53	A marine chemical defense partnership. <i>Science</i> , 2019, 364, 1034-1035.	12.6	4
54	There's Something in the Water: Opportunities in Marine Chemical Ecology. <i>Journal of Chemical Ecology</i> , 2014, 40, 218-219.	1.8	2

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55	Zebrafish aversive taste co-receptor is expressed in both chemo- and mechanosensory cells and plays a role in lateral line development. <i>Scientific Reports</i> , 2017, 7, 13475.	3.3	2
56	Differentiating toxic and nontoxic congeneric harmful algae using the non-polar metabolome. <i>Harmful Algae</i> , 2021, 110, 102129.	4.8	2
57	Antibiotic Activity Altered by Competitive Interactions Between Two Coral Reef-Associated Bacteria. <i>Microbial Ecology</i> , 2022, , 1.	2.8	0