Joseph Richard Pawlik

List of Publications by Year
in descending order

112	6,552	47006	69250
papers	citations	47 h-index	77 g-index

119	119	119	4777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular detection and microbiome differentiation of two cryptic lineages of giant barrel sponges from Conch Reef, Florida Keys. Coral Reefs, 2021, 40, 853-865.	2.2	3
2	Sponges With Microbial Symbionts Transform Dissolved Organic Matter and Take Up Organohalides. Frontiers in Marine Science, 2021, 8, .	2.5	16
3	Naturally occurring organobromine compounds (OBCs) including polybrominated dibenzo-p-dioxins in the marine sponge Hyrtios proteus from The Bahamas. Marine Pollution Bulletin, 2021, 172, 112872.	5.0	4
4	Unusual Morphotypes of the Giant Barrel Sponge off the Coast of Barbados. Diversity, 2021, 13, 663.	1.7	0
5	The Emerging Ecological and Biogeochemical Importance of Sponges on Coral Reefs. Annual Review of Marine Science, 2020, 12, 315-337.	11.6	76
6	New Tricks with an Old Sponge: Feature-Based Molecular Networking Led to Fast Identification of New Stylissamide L from Stylissa caribica. Marine Drugs, 2020, 18, 443.	4.6	15
7	A review of the sponge increase hypothesis for Caribbean mesophotic reefs. Marine Biodiversity, 2019, 49, 1073-1083.	1.0	13
8	Fast Detection of Two Smenamide Family Members Using Molecular Networking. Marine Drugs, 2019, 17, 618.	4.6	16
9	Testing the relationship between microbiome composition and flux of carbon and nutrients in Caribbean coral reef sponges. Microbiome, 2019, 7, 124.	11.1	36
10	Patterns of benthic cover with depth on Caribbean mesophotic reefs. Coral Reefs, 2019, 38, 961-972.	2.2	6
11	Sponge density increases with depth throughout the Caribbean: Comment. Ecosphere, 2019, 10, e02689.	2.2	6
12	Feeding and respiration by giant barrel sponges across a gradient of food abundance in the Red Sea. Limnology and Oceanography, 2019, 64, 1790-1801.	3.1	31
13	Growth estimates of Caribbean reef sponges on a shipwreck using 3D photogrammetry. Scientific Reports, 2019, 9, 18398.	3.3	23
14	Agelas Wasting Syndrome Alters Prokaryotic Symbiont Communities of the Caribbean Brown Tube Sponge, Agelas tubulata. Microbial Ecology, 2018, 76, 459-466.	2.8	11
15	Isolation of Smenopyrone, a Bis-Î³-Pyrone Polypropionate from the Caribbean Sponge Smenospongia aurea. Marine Drugs, 2018, 16, 285.	4.6	9
16	Evidence for shifting genetic structure among Caribbean giant barrel sponges in the Florida Keys. Marine Biology, 2018, 165, 1.	1.5	8
17	A review of bottom-up vs. top-down control of sponges on Caribbean fore-reefs: whatâ€™s old, whatâ€™s new, and future directions. PeerJ, 2018, 6, e4343.	2.0	47
18	Application of diet theory reveals context-dependent foraging preferences in an herbivorous coral reef fish. Oecologia, 2017, 184, 127-137.	2.0	10

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19	Defense by association: Spongeâ€eating fishes alter the smallâ€scale distribution of Caribbean reef sponges. Marine Ecology, 2017, 38, e12410.	1.1	9
20	Nutrient Fluxes and Ecological Functions of Coral Reef Sponges in a Changing Ocean. , 2017, , 373-410.		82
21	Biogeographical homogeneity of Caribbean coral reef benthos. Journal of Biogeography, 2017, 44, 960-962.	3.0	4
22	Zeamide, a Glycosylinositol Phosphorylceramide with the Novel Core Arap(1Î²â†'6)Ins Motif from the Marine Sponge Svenzea zeai. Molecules, 2017, 22, 1455.	3.8	2
23	Demography alters carbon flux for a dominant benthic suspension feeder, the giant barrel sponge, on Conch Reef, Florida Keys. Functional Ecology, 2017, 31, 2188-2198.	3.6	21
24	Chlorinated Thiazoleâ€Containing Polyketideâ€Peptides from the Caribbean Sponge Smenospongia conulosa: Structure Elucidation on Microgram Scale. European Journal of Organic Chemistry, 2016, 2016, 2871-2875.	2.4	26
25	A Vicious Circle? Altered Carbon and Nutrient Cycling May Explain the Low Resilience of Caribbean Coral Reefs. BioScience, 2016, 66, 470-476.	4.9	90
26	No accounting for taste: Palatability of variably defended Caribbean sponge species is unrelated to predator abundance. Journal of Experimental Marine Biology and Ecology, 2016, 485, 57-64.	1.5	4
27	Selective feeding by the giant barrel sponge enhances foraging efficiency. Limnology and Oceanography, 2016, 61, 1271-1286.	3.1	58
28	A Fish-feeding Laboratory Bioassay to Assess the Antipredatory Activity of Secondary Metabolites from the Tissues of Marine Organisms. Journal of Visualized Experiments, 2015, , 52429.	0.3	3
29	Cowries graze verongid sponges on Caribbean reefs. Coral Reefs, 2015, 34, 663-663.	2.2	7
30	Perilous proximity: Does the Janzenâ€“Connell hypothesis explain the distribution of giant barrel sponges on a Florida coral reef?. Coral Reefs, 2015, 34, 561-567.	2.2	5
31	Population dynamics of giant barrel sponges on Florida coral reefs. Journal of Experimental Marine Biology and Ecology, 2015, 473, 73-80.	1.5	47
32	Metabolite variability in Caribbean sponges of the genus Aplysina. Revista Brasileira De Farmacognosia, 2015, 25, 592-599.	1.4	14
33	A review of evidence for food limitation of sponges on Caribbean reefs. Marine Ecology - Progress Series, 2015, 519, 265-283.	1.9	52
34	No evidence for food limitation of Caribbean reef sponges: Reply to Slattery & Lesser (2015). Marine Ecology - Progress Series, 2015, 527, 281-284.	1.9	19
35	Indirect effects of overfishing on Caribbean reefs: sponges overgrow reef-building corals. PeerJ, 2015, 3, e901.	2.0	102
36	Chemical defenses and resource trade-offs structure sponge communities on Caribbean coral reefs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4151-4156.	7.1	130

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37	New epizooic symbioses between sponges of the genera Plakortis and Xestospongia in cryptic habitats of the Caribbean. Marine Biology, 2014, 161, 2803-2818.	1.5	12
38	Cleaning mutualist or parasite? Classifying the association between the brittlestar Ophiothrix lineata and the Caribbean reef sponge Callyspongia vaginalis. Journal of Experimental Marine Biology and Ecology, 2014, 454, 42-48.	1.5	12
39	The HMA-LMA Dichotomy Revisited: an Electron Microscopical Survey of 56 Sponge Species. Biological Bulletin, 2014, 227, 78-88.	1.8	188
40	Trait-mediated ecosystem impacts: how morphology and size affect pumping rates of the Caribbean giant barrel sponge. Aquatic Biology, 2014, 23, 1-13.	1.4	58
41	Do coral reef fish learn to avoid unpalatable prey using visual cues?. Animal Behaviour, 2013, 85, 339-347.	1.9	27
42	Sponge Communities on Caribbean Coral Reefs Are Structured by Factors That Are Top-Down, Not Bottom-Up. PLoS ONE, 2013, 8, e62573.	2.5	63
43	Friend or foe? No evidence that association with the sponge Mycale laevis provides a benefit to corals of the genus Montastraea. Marine Ecology - Progress Series, 2012, 465, 111-117.	1.9	15
44	Specificity of larval settlement of the <scp>C</scp>aribbean <scp>O</scp>range <scp>I</scp>cing <scp>S</scp>ponge, <scp>M</scp>ycale laevis. Invertebrate Biology, 2012, 131, 155-164.	0.9	7
45	Antipredatory Defensive Roles of Natural Products from Marine Invertebrates. , 2012, , 677-710.		45
46	Effects of Karenia brevis on clearance rates and bioaccumulation of brevetoxins in benthic suspension feeding invertebrates. Aquatic Toxicology, 2012, 106-107, 85-94.	4.0	33
47	Phenotypic variability in the Caribbean Orange Icing sponge Mycale laevis (Demospongiae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.0	15
48	Assessing the antipredatory defensive strategies of Caribbean non-scleractinian zoantharians (Cnidaria): is the sting the only thing?. Marine Biology, 2012, 159, 389-398.	1.5	13
49	Sponge white patch disease affecting the Caribbean sponge Amphimedon compressa. Diseases of Aquatic Organisms, 2012, 99, 95-102.	1.0	31
50	Cyanobacterial Diversity and a New Acaryochloris-Like Symbiont from Bahamian Sea-Squirts. PLoS ONE, 2011, 6, e23938.	2.5	101
51	The pathology of sponge orange band disease affecting the Caribbean barrel sponge Xestospongia muta. FEMS Microbiology Ecology, 2011, 75, 218-230.	2.7	61
52	Comparison of reproductive patterns among 7 Caribbean sponge species does not reveal a resource trade-off with chemical defenses. Journal of Experimental Marine Biology and Ecology, 2011, 401, 80-84.	1.5	30
53	The Chemical Ecology of Sponges on Caribbean Reefs: Natural Products Shape Natural Systems. BioScience, 2011, 61, 888-898.	4.9	158
54	Bleaching of the giant barrel sponge Xestospongia muta in the Florida Keys. Limnology and Oceanography, 2011, 56, 2243-2250.	3.1	23

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55	Phenotypic variability in the Caribbean Orange Icing sponge Mycale laevis (Demospongiae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		0
56	Effects of Sponge Bleaching on Ammonia-Oxidizing Archaea: Distribution and Relative Expression of Ammonia Monooxygenase Genes Associated with the Barrel Sponge Xestospongia muta. Microbial Ecology, 2010, 60, 561-571.	2.8	72
57	Siphonodictyal B1 from a Marine Sponge Increases Intracellular Calcium Levels Comparable to the Ca2+-ATPase (SERCA) Inhibitor Thapsigargin. Marine Biotechnology, 2010, 12, 267-272.	2.4	8
58	Fragments or propagules? Reproductive tradeoffs among Callyspongia spp. from Florida coral reefs. Oikos, 2010, 119, 1417-1422.	2.7	27
59	Demographics of increasing populations of the giant barrel sponge Xestospongia muta in the Florida Keys. Ecology, 2010, 91, 560-570.	3.2	88
60	Amaranzoles Bâ˜F, Imidazole-2-carboxy Steroids from the Marine Sponge Phorbas amaranthus. C24-N- and C24-O-Analogues from a Divergent Oxidative Biosynthesis. Journal of Organic Chemistry, 2010, 75, 2453-2460.	3.2	22
61	Evidence of a resource trade-off between growth and chemical defenses among Caribbean coral reef sponges. Marine Ecology - Progress Series, 2010, 406, 71-78.	1.9	59
62	Phenotypic plasticity in the Caribbean sponge <i>Callyspongia vaginalis</i> (Porifera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.6	26
63	Evidence for Vertical Transmission of Bacterial Symbionts from Adult to Embryo in the Caribbean SpongeSvenzea zeai. Applied and Environmental Microbiology, 2009, 75, 6147-6156.	3.1	86
64	Bitten down to size: Fish predation determines growth form of the Caribbean coral reef sponge Mycale laevis. Journal of Experimental Marine Biology and Ecology, 2009, 374, 45-50.	1.5	40
65	Genetic structure of the Caribbean giant barrel sponge Xestospongia muta using the I3-M11 partition of COI. Coral Reefs, 2009, 28, 157-165.	2.2	63
66	Presence of Aspergillus sydowii, a pathogen of gorgonian sea fans in the marine sponge Spongia obscura. ISME Journal, 2009, 3, 752-755.	9.8	63
67	A Novel Technique for the Reattachment of Large Coral Reef Sponges. Restoration Ecology, 2009, 17, 192-195.	2.9	10
68	Amaroxocanes A and B: Sulfated Dimeric Sterols Defend the Caribbean Coral Reef Sponge Phorbas amaranthus from Fish Predators. Journal of Natural Products, 2009, 72, 259-264.	3.0	27
69	Redwood of the reef: growth and age of the giant barrel sponge Xestospongia muta in the Florida Keys. Marine Biology, 2008, 155, 159-171.	1.5	129
70	Bleaching and stress in coral reef ecosystems: hsp70 expression by the giant barrel sponge Xestospongia muta. Molecular Ecology, 2008, 17, 1840-1849.	3.9	99
71	The habitat function of mangroves for terrestrial and marine fauna: A review. Aquatic Botany, 2008, 89, 155-185.	1.6	1,037
72	Patterns of sponge recruitment and growth on a shipwreck corroborate chemical defense resource trade-off. Marine Ecology - Progress Series, 2008, 368, 137-143.	1.9	47

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73	Bioactive Metabolites from the Caribbean SpongeAka coralliphagum. Journal of Natural Products, 2007, 70, 504-509.	3.0	53
74	Chemical warfare on coral reefs: Sponge metabolites differentially affect coral symbiosis in situ. Limnology and Oceanography, 2007, 52, 907-911.	3.1	75
75	Surface bacterial community, fatty acid profile, and antifouling activity of two congeneric sponges from Hong Kong and the Bahamas. Marine Ecology - Progress Series, 2007, 339, 25-40.	1.9	19
76	Amaranzole A, a New N-Imidazolyl Steroid from Phorbas amaranthus. Organic Letters, 2007, 9, 5219-5222.	4.6	33
77	The polychaete Cirriformia punctata is chemically defended against generalist coral reef predators. Journal of Experimental Marine Biology and Ecology, 2007, 353, 198-202.	1.5	13
78	The Role of Vanadium in the Chemical Defense of the Solitary Tunicate, Phallusia nigra. Journal of Chemical Ecology, 2007, 33, 643-654.	1.8	58
79	Antipredatory secosterols from the octocoral Pseudopterogorgia americana. Marine Ecology - Progress Series, 2007, 329, 307-310.	1.9	27
80	Abiotic factors control sponge ecology in Florida mangroves. Marine Ecology - Progress Series, 2007, 339, 93-98.	1.9	30
81	Sponge orange band (SOB): a pathogenic-like condition of the giant barrel sponge, Xestospongia muta. Coral Reefs, 2006, 25, 513-513.	2.2	43
82	Description of Fabibacter halotolerans gen. nov., sp. nov. and Roseivirga spongicola sp. nov., and reclassification of [Marinicola] seohaensis as Roseivirga seohaensis comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1059-1065.	1.7	62
83	Stenothermobacter spongiae gen. nov., sp. nov., a novel member of the family Flavobacteriaceae isolated from a marine sponge in the Bahamas, and emended description of Nonlabens tegetincola. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 181-185.	1.7	36
84	Antifouling activity and microbial diversity of two congeneric sponges Callyspongia spp. from Hong Kong and the Bahamas. Marine Ecology - Progress Series, 2006, 324, 151-165.	1.9	24
85	Testing for defensive synergy in Caribbean sponges: Bad taste or glass spicules?. Journal of Experimental Marine Biology and Ecology, 2005, 322, 67-81.	1.5	57
86	Habitat use by sponge-dwelling brittlestars. Marine Biology, 2005, 146, 301-313.	1.5	81
87	Winogradskyella poriferorum sp. nov., a novel member of the family Flavobacteriaceae isolated from a sponge in the Bahamas. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1589-1592.	1.7	75
88	Nonlabens tegetincola gen. nov., sp. nov., a novel member of the family Flavobacteriaceae isolated from a microbial mat in a subtropical estuary. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2279-2283.	1.7	27
89	Is There a Trade-Off Between Wound-Healing and Chemical Defenses Among Caribbean Reef Sponges?. Integrative and Comparative Biology, 2005, 45, 352-358.	2.0	56
90	Phorbasterones Aâ˜D, CytotoxicNor-Ring A Steroids from the SpongePhorbas amaranthus. Journal of Natural Products, 2004, 67, 731-733.	3.0	27

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91	Anti-predatory chemical defenses of ascidians: secondary metabolites or inorganic acids?. Journal of Experimental Marine Biology and Ecology, 2002, 270, 203-214.	1.5	111
92	Multiple defensive roles for triterpene glycosides from two Caribbean sponges. Oecologia, 2002, 131, 125-136.	2.0	144
93	Does the odor from sponges of the genus Ircinia protect them from fish predators?. Journal of Chemical Ecology, 2002, 28, 1103-1115.	1.8	78
94	New Antifeedant Triterpene Glycosides from the Caribbean SpongeErylus Formosus. Natural Product Research, 2001, 15, 275-285.	0.4	19
95	Title is missing!. Journal of Chemical Ecology, 2000, 26, 1477-1496.	1.8	74
96	Chemical Defense of the Caribbean Reef Sponge Axinella corrugata Against Predatory Fishes. Journal of Chemical Ecology, 1999, 25, 2811-2823.	1.8	61
97	Spongivory by Parrotfish in Florida Mangrove and Reef Habitats. Marine Ecology, 1998, 19, 325-337.	1.1	60
98	Coral reef sponges: Do predatory fishes affect their distribution?. Limnology and Oceanography, 1998, 43, 1396-1399.	3.1	87
99	Chemical defense of the Caribbean sponge Agelas clathrodes (Schmidt). Journal of Experimental Marine Biology and Ecology, 1997, 208, 185-196.	1.5	87
100	Does the skeleton of a sponge provide a defense against predatory reef fish?. Oecologia, 1996, 107, 225-231.	2.0	64
101	A new antifouling assay method: results from field experiments using extracts of four marine organisms. Journal of Experimental Marine Biology and Ecology, 1995, 194, 157-165.	1.5	95
102	Amphitoxin, a New High Molecular Weight Antifeedant Pyridinium Salt from the Caribbean Sponge Amphimedon compressa. Journal of Natural Products, 1995, 58, 647-652.	3.0	75
103	Marine invertebrate chemical defenses. Chemical Reviews, 1993, 93, 1911-1922.	47.7	368
104	Settlement of a marine tube worm as a function of current velocity: Interacting effects of hydrodynamics and behavior¹. Limnology and Oceanography, 1993, 38, 1730-1740.	3.1	106
105	Secondary metabolites of the chemically rich ascoglossanCyerce nigricans. Experientia, 1990, 46, 327-329.	1.2	31
106	Seaweed-herbivore-predator interactions: host-plant specialization reduces predation on small herbivores. Oecologia, 1989, 81, 418-427.	2.0	122
107	Defensive chemicals of the Spanisch dancer nudibranch Hexabranchus sanguineus and its egg ribbons: macrolides derived from a sponge diet. Journal of Experimental Marine Biology and Ecology, 1988, 119, 99-109.	1.5	126
108	Larval settlement and metamorphosis of two gregarious sabellariid polychaetes:Sabellaria alveolatacompared withPhragmatopoma californica. Journal of the Marine Biological Association of the United Kingdom, 1988, 68, 101-124.	0.8	42

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109	Patterns of chemical defense among Caribbean gorgonian corals: a preliminary survey. Journal of Experimental Marine Biology and Ecology, 1987, 108, 55-66.	1.5	92
110	Specific free fatty acids induce larval settlement and metamorphosis of the reef-building tube worm Phragmatopoma califomica (Fewkes). Journal of Experimental Marine Biology and Ecology, 1986, 102, 301-310.	1.5	61
111	A Sponge-Eating Worm from Bermuda: Branchiosyllis oculata (Polychaeta, Syllidae),â€. Marine Ecology, 1983, 4, 65-79.	1.1	49
112	Evidence for trophic niche partitioning among three temperate gorgonian octocorals. Coral Reefs, 0, , .	2.2	1