

Georg Pohnert

List of Publications by Year in descending order

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245
papers

10,703
citations

25034

57
h-index

46799

89
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278
all docs

278
docs citations

278
times ranked

8741
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Interactions between the Specialist Herbivore <i>Manduca sexta</i> (Lepidoptera, Sphingidae) and Its Natural Host <i>Nicotiana attenuata</i> . III. Fatty Acid-Amino Acid Conjugates in Herbivore Oral Secretions Are Necessary and Sufficient for Herbivore-Specific Plant Responses. <i>Plant Physiology</i> , 2001, 125, 711-717.	4.8	496
2	Aldehyde suppression of copepod recruitment in blooms of a ubiquitous planktonic diatom. <i>Nature</i> , 2004, 429, 403-407.	27.8	373
3	Chemical cues, defence metabolites and the shaping of pelagic interspecific interactions. <i>Trends in Ecology and Evolution</i> , 2007, 22, 198-204.	8.7	256
4	Wound-Activated Chemical Defense in Unicellular Planktonic Algae. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4352-4354.	13.8	214
5	Phospholipase A2 Activity Triggers the Wound-Activated Chemical Defense in the Diatom <i>Thalassiosira rotula</i> . <i>Plant Physiology</i> , 2002, 129, 103-111.	4.8	200
6	The oxylipin chemistry of attraction and defense in brown algae and diatoms. <i>Natural Product Reports</i> , 2002, 19, 108-122.	10.3	198
7	Algae-bacteria interactions that balance the planktonic microbiome. <i>New Phytologist</i> , 2019, 223, 100-106.	7.3	181
8	Production and role of volatile halogenated compounds from marine algae. <i>Natural Product Reports</i> , 2011, 28, 186-195.	10.3	177
9	Interactions of the Algicidal Bacterium <i>Kordia algicida</i> with Diatoms: Regulated Protease Excretion for Specific Algal Lysis. <i>PLoS ONE</i> , 2011, 6, e21032.	2.5	173
10	Biotic interactions of marine algae. <i>Current Opinion in Plant Biology</i> , 2002, 5, 308-317.	7.1	168
11	Diatom/Copepod Interactions in Plankton: The Indirect Chemical Defense of Unicellular Algae. <i>ChemBioChem</i> , 2005, 6, 946-959.	2.6	161
12	Survey of the Chemical Defence Potential of Diatoms: Screening of Fifty Species for $\hat{1}\pm, \hat{1}^2, \hat{1}^3, \hat{1}^r$ -unsaturated aldehydes. <i>Journal of Chemical Ecology</i> , 2005, 31, 949-958.	1.8	158
13	Strategies and ecological roles of algicidal bacteria. <i>FEMS Microbiology Reviews</i> , 2017, 41, 880-899.	8.6	153
14	New fatty acid amides from regurgitant of Lepidopteran (Noctuidae, Geometridae) caterpillars. <i>Tetrahedron</i> , 1999, 55, 11275-11280.	1.9	143
15	Rewiring Host Lipid Metabolism by Large Viruses Determines the Fate of <i>Emiliania huxleyi</i> , a Bloom-Forming Alga in the Ocean. <i>Plant Cell</i> , 2014, 26, 2689-2707.	6.6	132
16	Microalgae in the postgenomic era: a blooming reservoir for new natural products. <i>FEMS Microbiology Reviews</i> , 2012, 36, 761-785.	8.6	131
17	Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. <i>Marine Drugs</i> , 2016, 14, 191.	4.6	128
18	Age and nutrient limitation enhance polyunsaturated aldehyde production in marine diatoms. <i>Phytochemistry</i> , 2007, 68, 2059-2067.	2.9	125

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19	Metabolomics Enables the Structure Elucidation of a Diatom Sex Pheromone. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 854-857.	13.8	122
20	Are volatile unsaturated aldehydes from diatoms the main line of chemical defence against copepods?. <i>Marine Ecology - Progress Series</i> , 2002, 245, 33-45.	1.9	119
21	Surface-associated fucoxanthin mediates settlement of bacterial epiphytes on the rockweed <i>Fucus vesiculosus</i> . <i>Biofouling</i> , 2011, 27, 423-433.	2.2	112
22	A co-culturing/metabolomics approach to investigate chemically mediated interactions of planktonic organisms reveals influence of bacteria on diatom metabolism. <i>Metabolomics</i> , 2013, 9, 349-359.	3.0	112
23	The Relevance of Marine Chemical Ecology to Plankton and Ecosystem Function: An Emerging Field. <i>Marine Drugs</i> , 2011, 9, 1625-1648.	4.6	106
24	Current Challenges in Plant Eco-Metabolomics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1385.	4.1	106
25	Predator specificity of kairomones in diel vertical migration of <i>Daphnia</i> : a chemical approach. <i>Oikos</i> , 2000, 88, 119-128.	2.7	101
26	Metabolomic Assessment of Induced and Activated Chemical Defence in the Invasive Red Alga <i>Gracilaria vermiculophylla</i> . <i>PLoS ONE</i> , 2011, 6, e29359.	2.5	98
27	Cloning and functional characterisation of an enzyme involved in the elongation of $\hat{1}^{\prime\prime}6$ -polyunsaturated fatty acids from the moss <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2002, 31, 255-268.	5.7	97
28	Metabolomics in chemical ecology. <i>Natural Product Reports</i> , 2015, 32, 937-955.	10.3	96
29	Metabolic profiling reveals growth stage variability in diatom exudates. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 382-390.	2.0	95
30	Dimethylsulphopropionate (DMSP) and proline from the surface of the brown alga <i>Fucus vesiculosus</i> inhibit bacterial attachment. <i>Biofouling</i> , 2012, 28, 593-604.	2.2	94
31	Comparative metabolomics of the diatom <i>Skeletonema marinoi</i> in different growth phases. <i>Metabolomics</i> , 2012, 8, 654-669.	3.0	94
32	Growth phase-specific release of polyunsaturated aldehydes by the diatom <i>Skeletonema marinoi</i> . <i>Journal of Plankton Research</i> , 2008, 30, 1305-1313.	1.8	93
33	The metabolite dimethylsulfoxonium propionate extends the marine organosulfur cycle. <i>Nature</i> , 2018, 563, 412-415.	27.8	93
34	Determination and quantification of $\hat{1}^{\prime\prime}2, \hat{1}^{\prime\prime}3, \hat{1}^{\prime\prime}4$ -unsaturated aldehydes as pentafluorobenzyl-oxime derivatives in diatom cultures and natural phytoplankton populations: application in marine field studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 814, 155-161.	2.3	90
35	A Multifunctional Lipoyxygenase with Fatty Acid Hydroperoxide Cleaving Activity from the Moss <i>Physcomitrella patens</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 7588-7596.	3.4	89
36	Lipid and Fatty Acid Composition of Diatoms Revisited: Rapid Wound-Activated Change of Food Quality Parameters Influences Herbivorous Copepod Reproductive Success. <i>ChemBioChem</i> , 2007, 8, 1146-1153.	2.6	86

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37	Cytotoxicity of diatom-derived oxylipins in organisms belonging to different phyla. <i>Journal of Experimental Biology</i> , 2004, 207, 2935-2946.	1.7	81
38	Chorismate Mutase-Prephenate Dehydratase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 6248-6253.	3.4	80
39	Chemical defense of brown algae (<i>Dictyopteria</i> spp.) against the herbivorous amphipod <i>Ampithoe longimana</i> . <i>Oecologia</i> , 2001, 126, 515-521.	2.0	77
40	Biominingalization in Diatoms Mediated through Peptide- and Polyamine-Assisted Condensation of Silica. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3167-3169.	13.8	77
41	Searching for signals in the noise: metabolomics in chemical ecology. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 193-197.	3.7	77
42	A sex-inducing pheromone triggers cell cycle arrest and mate attraction in the diatom <i>Seminavis robusta</i> . <i>Scientific Reports</i> , 2016, 6, 19252.	3.3	76
43	SPORE RELEASE IN ACROCHAETIUM SP. (RHODOPHYTA) IS BACTERIALLY CONTROLLED. <i>Journal of Phycology</i> , 2007, 43, 235-241.	2.3	73
44	Rapid wound-activated transformation of the green algal defensive metabolite caulerpenyne. <i>Tetrahedron</i> , 2001, 57, 7169-7172.	1.9	72
45	Synchronized Regulation of Different Zwitterionic Metabolites in the Osmoadaptation of Phytoplankton. <i>Marine Drugs</i> , 2013, 11, 2168-2182.	4.6	72
46	Pheromone signaling during sexual reproduction in algae. <i>Plant Journal</i> , 2014, 79, 632-644.	5.7	72
47	Selective silicate-directed motility in diatoms. <i>Nature Communications</i> , 2016, 7, 10540.	12.8	72
48	Functional diversity of microbial communities in pristine aquifers inferred by PLFA- and sequencing-based approaches. <i>Biogeosciences</i> , 2017, 14, 2697-2714.	3.3	72
49	Synthesis and biological activity of $\hat{1}\pm, \hat{1}^2, \hat{1}^3, \hat{1}^r$ -unsaturated aldehydes from diatoms. <i>Tetrahedron</i> , 2003, 59, 3003-3008.	1.9	71
50	Chemical Defense Strategies of Marine Organisms. <i>Topics in Current Chemistry</i> , 2004, 239, 179-219.	4.0	71
51	Daily bursts of biogenic cyanogen bromide (BrCN) control biofilm formation around a marine benthic diatom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2412-2417.	7.1	71
52	Absolute configuration of volicitin, an elicitor of plant volatile biosynthesis from lepidopteran larvae. <i>Tetrahedron Letters</i> , 2001, 42, 1483-1485.	1.4	69
53	Defence Chemistry Modulation by Light and Temperature Shifts and the Resulting Effects on Associated Epibacteria of <i>Fucus vesiculosus</i> . <i>PLoS ONE</i> , 2014, 9, e105333.	2.5	68
54	Colloquium on diatom-copepod interactions. <i>Marine Ecology - Progress Series</i> , 2005, 286, 293-305.	1.9	68

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55	Comparison of the wound-activated transformation of caulerpenyne by invasive and noninvasive <i>Caulerpa</i> species of the Mediterranean. <i>Journal of Chemical Ecology</i> , 2002, 28, 2091-2105.	1.8	63
56	Phospholipases and Galactolipases Trigger Oxylipin-Mediated Wound-Activated Defence in the Red Alga <i>Gracilaria chilensis</i> against Epiphytes. <i>ChemBioChem</i> , 2006, 7, 457-462.	2.6	62
57	Growth phase of the diatom <i>Skeletonema marinoi</i> influences the metabolic profile of the cells and the selective feeding of the copepod <i>Calanus</i> spp.. <i>Journal of Plankton Research</i> , 2010, 32, 263-272.	1.8	61
58	Quantification of Dissolved and Particulate Polyunsaturated Aldehydes in the Adriatic Sea. <i>Marine Drugs</i> , 2011, 9, 500-513.	4.6	55
59	The <i>Seminavis robusta</i> genome provides insights into the evolutionary adaptations of benthic diatoms. <i>Nature Communications</i> , 2020, 11, 3320.	12.8	55
60	Biosynthesis of C9-aldehydes in the moss <i>Physcomitrella patens</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 301-312.	2.4	54
61	Biosynthesis of the algal pheromone hormosirene by the fresh-water diatom <i>Gomphonema parvulum</i> (Bacillariophyceae). <i>Tetrahedron</i> , 1996, 52, 10073-10082.	1.9	53
62	High Plasticity in the Production of Diatom-derived Polyunsaturated Aldehydes under Nutrient Limitation: Physiological and Ecological Implications. <i>Protist</i> , 2009, 160, 444-451.	1.5	52
63	Diels-Alderases. <i>ChemBioChem</i> , 2001, 2, 873-875.	2.6	51
64	Algal Oxylipins Mediate the Resistance of Diatoms against Algicidal Bacteria. <i>Marine Drugs</i> , 2018, 16, 486.	4.6	51
65	Unprecedented Lipoyxygenase/Hydroperoxide Lyase Pathways in the Moss <i>Physcomitrella patens</i> . <i>Angewandte Chemie - International Edition</i> , 2005, 44, 158-161.	13.8	49
66	Ectoine from Bacterial and Algal Origin Is a Compatible Solute in Microalgae. <i>Marine Drugs</i> , 2020, 18, 42.	4.6	49
67	Regulation of Phenylalanine Biosynthesis. Studies on the Mechanism of Phenylalanine Binding and Feedback Inhibition in the <i>Escherichia coli</i> P-Protein. <i>Biochemistry</i> , 1999, 38, 12212-12217.	2.5	48
68	Biosynthesis of Polyunsaturated Short Chain Aldehydes in the Diatom <i>Thalassiosira rotula</i> . <i>Organic Letters</i> , 2007, 9, 1017-1020.	4.6	48
69	Influence of diatoms on copepod reproduction. II. Uncorrelated effects of diatom-derived Δ^2, Δ^3 -unsaturated aldehydes and polyunsaturated fatty acids on <i>Calanus helgolandicus</i> in the field. <i>Progress in Oceanography</i> , 2008, 77, 30-44.	3.2	48
70	Diatom exudates influence metabolism and cell growth of co-cultured diatom species. <i>Marine Ecology - Progress Series</i> , 2009, 389, 61-70.	1.9	48
71	Up-Regulation of Lipoyxygenase, Phospholipase, and Oxylipin-Production in the Induced Chemical Defense of the Red Alga <i>Gracilaria chilensis</i> against Epiphytes. <i>Journal of Chemical Ecology</i> , 2011, 37, 677-686.	1.8	46
72	Identification of novel 7-methyl and cyclopentanyl branched glycerol dialkyl glycerol tetraethers in lake sediments. <i>Organic Geochemistry</i> , 2016, 102, 52-58.	1.8	45

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73	Metabarcoding and metabolome analyses of copepod grazing reveal feeding preference and linkage to metabolite classes in dynamic microbial plankton communities. <i>Molecular Ecology</i> , 2016, 25, 5585-5602.	3.9	45
74	Formation of Halogenated Medium Chain Hydrocarbons by a Lipoxygenase/Hydroperoxide Halolyase-Mediated Transformation in Planktonic Microalgae. <i>Journal of the American Chemical Society</i> , 2006, 128, 7114-7115.	13.7	43
75	Phytoplankton Cell Lysis Associated with Polyunsaturated Aldehyde Release in the Northern Adriatic Sea. <i>PLoS ONE</i> , 2014, 9, e85947.	2.5	42
76	Rapid Estimation of Astaxanthin and the Carotenoid-to-Chlorophyll Ratio in the Green Microalga <i>Chromochloris zofingiensis</i> Using Flow Cytometry. <i>Marine Drugs</i> , 2017, 15, 231.	4.6	41
77	Biofilm interactions—bacteria modulate sexual reproduction success of the diatom <i>Seminavis robusta</i> . <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	41
78	Chemical Defense in <i>Elodea nuttallii</i> Reduces Feeding and Growth of Aquatic Herbivorous Lepidoptera. <i>Journal of Chemical Ecology</i> , 2007, 33, 1646-1661.	1.8	40
79	Conserved and species-specific oxylipin pathways in the wound-activated chemical defense of the noninvasive red alga <i>Gracilaria chilensis</i> and the invasive <i>Gracilaria vermiculophylla</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 283-289.	2.2	40
80	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. <i>Biofouling</i> , 2012, 28, 687-696.	2.2	39
81	Induction of Protease Release of the Resistant Diatom <i>Chaetoceros didymus</i> in Response to Lytic Enzymes from an Algicidal Bacterium. <i>PLoS ONE</i> , 2013, 8, e57577.	2.5	39
82	Pericyclic reactions in nature: Evidence for a spontaneous [1.7]-hydrogen shift and an 8π electrocyclic ring closure in the biosynthesis of olefinic hydrocarbons from marine brown algae (phaeophyceae). <i>Tetrahedron</i> , 1994, 50, 10235-10244.	1.9	38
83	Winter-spring phytoplankton blooms in Dabob Bay, Washington. <i>Progress in Oceanography</i> , 2005, 67, 286-313.	3.2	38
84	Wound Closure in the Invasive Green Alga <i>Caulerpa taxifolia</i> by Enzymatic Activation of a Protein Cross-Linker. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2806-2808.	13.8	38
85	The potential role of wound-activated volatile release in the chemical defence of the brown alga <i>Dictyota dichotoma</i> : Blend recognition by marine herbivores. <i>Aquatic Sciences</i> , 2007, 69, 403-412.	1.5	38
86	Direct quantification of dimethylsulfoniopropionate (DMSP) with hydrophilic interaction liquid chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 3238-3242.	2.3	38
87	Life-history responses of <i>Daphnia pulex</i> to diets containing freshwater diatoms: Effects of nutritional quality versus polyunsaturated aldehydes. <i>Limnology and Oceanography</i> , 2005, 50, 449-454.	3.1	37
88	Apoplasmic oxidation of L-asparagine is involved in the control of the green algal endophyte <i>Acrochaete operculata</i> Correa & Nielsen by the red seaweed <i>Chondrus crispus</i> Stackhouse. <i>Journal of Experimental Botany</i> , 2005, 56, 1317-1326.	4.8	37
89	Collapse of <i>Calanus chilensis</i> reproduction in a marine environment with high diatom concentration. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 352, 187-199.	1.5	36
90	Dynamics of Dissolved and Particulate Polyunsaturated Aldehydes in Mesocosms Inoculated with Different Densities of the Diatom <i>Skeletonema marinoi</i> . <i>Marine Drugs</i> , 2011, 9, 345-358.	4.6	35

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91	Investigations of the Uptake of Dimethylsulfoniopropionate by Phytoplankton. <i>ChemBioChem</i> , 2011, 12, 2276-2279.	2.6	35
92	Chiral separation of a diketopiperazine pheromone from marine diatoms using supercritical fluid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 951-952, 58-61.	2.3	35
93	Pericyclic Reactions in Nature: Spontaneous Cope Rearrangement Inactivates Algae Pheromones. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1602-1604.	4.4	34
94	Influence of temperature and elevated carbon dioxide on the production of dimethylsulfoniopropionate and glycine betaine by marine phytoplankton. <i>Marine Environmental Research</i> , 2011, 73, 62-9.	2.5	34
95	Metabolomics Benefits from Orbitrap GC-MS-Comparison of Low- and High-Resolution GC-MS. <i>Metabolites</i> , 2020, 10, 143.	2.9	34
96	Survey of volatile oxylipins and their biosynthetic precursors in bryophytes. <i>Phytochemistry</i> , 2010, 71, 574-580.	2.9	33
97	Seasonal Variations in Surface Metabolite Composition of <i>Fucus vesiculosus</i> and <i>Fucus serratus</i> from the Baltic Sea. <i>PLoS ONE</i> , 2016, 11, e0168196.	2.5	33
98	Using chemical language to shape future marine health. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 530-537.	4.0	33
99	Influence of diatoms on copepod reproduction. I. Field and laboratory observations related to <i>Calanus helgolandicus</i> egg production. <i>Marine Ecology - Progress Series</i> , 2006, 308, 129-142.	1.9	33
100	Metabolic profiling identifies trehalose as an abundant and diurnally fluctuating metabolite in the microalga <i>Ostreococcus tauri</i> . <i>Metabolomics</i> , 2017, 13, 68.	3.0	31
101	Influence of diatoms on copepod reproduction. III. Consequences of abnormal oocyte maturation on reproductive factors in <i>Calanus helgolandicus</i> . <i>Marine Biology</i> , 2007, 152, 415-428.	1.5	30
102	A Fateful Meeting of Two Phytoplankton Species- Chemical vs. Cell-Cell-Interactions in Co-Cultures of the Green Algae <i>Oocystis marsonii</i> and the Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Microbial Ecology</i> , 2017, 74, 22-32.	2.8	30
103	Artificial Microbial Arenas: Materials for Observing and Manipulating Microbial Consortia. <i>Advanced Materials</i> , 2019, 31, 1900284.	21.0	30
104	Single-cell bacterial transcription measurements reveal the importance of dimethylsulfoniopropionate (DMSP) hotspots in ocean sulfur cycling. <i>Nature Communications</i> , 2020, 11, 1942.	12.8	30
105	Novel Acetylenic Oxylipins from the Moss <i>Dicranum scoparium</i> with Antifeeding Activity against Herbivorous Slugs. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4755-4758.	13.8	29
106	Dimethylsulfide sources from microalgae: Improvement and application of a derivatization-based method for the determination of dimethylsulfoniopropionate and other zwitterionic osmolytes in phytoplankton. <i>Marine Chemistry</i> , 2011, 124, 48-56.	2.3	29
107	Domoic Acid Improves the Competitive Ability of <i>Pseudo-nitzschia delicatissima</i> against the Diatom <i>Skeletonema marinoi</i> . <i>Marine Drugs</i> , 2013, 11, 2398-2412.	4.6	29
108	Impact of Heme and Heme Degradation Products on Vascular Diameter in Mouse Visual Cortex. <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	29

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109	Direct Synthesis of Heavy Grignard Reagents: Challenges, Limitations, and Derivatization. <i>Chemistry - A European Journal</i> , 2018, 24, 16840-16850.	3.3	29
110	S-(α)-Dinitrobiphenic Acid: A Selective Inhibitor of Escherichia coli Chorismate Mutase Based on Prephenate Mimicry. <i>Journal of the American Chemical Society</i> , 1999, 121, 2647-2648.	13.7	28
111	Searching for a Mate: Pheromone-Directed Movement of the Benthic Diatom <i>Seminais robusta</i> . <i>Microbial Ecology</i> , 2016, 72, 287-294.	2.8	27
112	The green alga <i>Dityosphaeria ocellata</i> and its organic extracts alter natural bacterial biofilm communities. <i>Biofouling</i> , 2011, 27, 347-356.	2.2	26
113	De novo analysis of electron impact mass spectra using fragmentation trees. <i>Analytica Chimica Acta</i> , 2012, 739, 67-76.	5.4	26
114	Diatom Derived Polyunsaturated Aldehydes Do Not Structure the Planktonic Microbial Community in a Mesocosm Study. <i>Marine Drugs</i> , 2012, 10, 775-792.	4.6	26
115	Live Single-Cell Metabolomics With Matrix-Free Laser/Desorption Ionization Mass Spectrometry to Address Microalgal Physiology. <i>Frontiers in Plant Science</i> , 2019, 10, 172.	3.6	26
116	Pericyclic reactions in nature: Synthesis and Cope rearrangement of thermolabile bis-alkenylcyclopropanes from female gametes of marine brown algae (Phaeophyceae). <i>Tetrahedron</i> , 1997, 53, 13681-13694.	1.9	25
117	Biosynthesis of dictyopterene A: stereoselectivity of a lipoxygenase/hydroperoxide lyase from <i>Gomphonema parvulum</i> (Bacillariophyceae). <i>Chemical Communications</i> , 1999, , 243-244.	4.1	25
118	A Signal Released by an Endophytic Attacker Acts as a Substrate for a Rapid Defensive Reaction of the Red Alga <i>Chondrus crispus</i> . <i>ChemBioChem</i> , 2002, 3, 1260-1263.	2.6	25
119	Seasonal fluctuations in chemical defenses against macrofouling in <i>Fucus vesiculosus</i> and <i>Fucus serratus</i> from the Baltic Sea. <i>Biofouling</i> , 2015, 31, 363-377.	2.2	25
120	Photocontrolled Release of Chemicals from Nano- and Microparticle Containers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2479-2482.	13.8	25
121	Lipoxygenase-mediated metabolism of storage lipids in germinating sunflower cotyledons and β -oxidation of (9Z,11E,13S)-13-hydroxy-octadeca-9,11-dienoic acid by the cotyledonary glyoxysomes. <i>Planta</i> , 2005, 220, 919-930.	3.2	24
122	Propentdyopents as Heme Degradation Intermediates Constrict Mouse Cerebral Arterioles and Are Present in the Cerebrospinal Fluid of Patients With Subarachnoid Hemorrhage. <i>Circulation Research</i> , 2019, 124, e101-e114.	4.5	24
123	¹⁴ C-Free Carbon Is a Major Contributor to Cellular Biomass in Geochemically Distinct Groundwater of Shallow Sedimentary Bedrock Aquifers. <i>Water Resources Research</i> , 2019, 55, 2104-2121.	4.2	24
124	Intracellular Compartmentation in the Biosynthesis of Caulerpenyne: A Study on Intact Macroalgae Using Stable-Isotope-Labeled Precursors. <i>Organic Letters</i> , 2003, 5, 5091-5093.	4.6	23
125	The Sesquiterpene Caulerpenyne from <i>Caulerpa</i> spp. is a Lipoxygenase Inhibitor. <i>Marine Biotechnology</i> , 2011, 13, 321-326.	2.4	23
126	Survey of the C20 and C22 oxylipin family in marine diatoms. <i>Tetrahedron Letters</i> , 2018, 59, 828-831.	1.4	23

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127	Synthesis of volicitin: a novel three-component Wittig approach to chiral 17-hydroxylinolenic acid. <i>Chemical Communications</i> , 1999, , 1087-1088.	4.1	22
128	Short synthesis of labeled and unlabeled 6Z,9Z,12Z,15-hexadecatetraenoic acid as metabolic probes for biosynthetic studies on diatoms. <i>Chemistry and Physics of Lipids</i> , 2004, 131, 159-166.	3.2	22
129	Increased potential for wound activated production of Prostaglandin E2 and related toxic compounds in non-native populations of <i>Gracilaria vermiculophylla</i> . <i>Harmful Algae</i> , 2016, 51, 81-88.	4.8	22
130	Algicidal bacteria trigger contrasting responses in model diatom communities of different composition. <i>MicrobiologyOpen</i> , 2019, 8, e00818.	3.0	22
131	SIFT-MS optimization for atmospheric trace gas measurements at varying humidity. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3507-3520.	3.1	22
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