Georg Pohnert

List of Publications by Year in descending order

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245 papers	10,703 citations	24978 57 h-index	46693 89 g-index
278 all docs	278 docs citations	278 times ranked	8741 citing authors

#	Article	IF	Citations
1	Temporal and Spatial Signaling Mediating the Balance of the Plankton Microbiome. Annual Review of Marine Science, 2022, 14, 239-260.	5.1	7
2	Draft genome assembly and sequencing dataset of the marine diatom Skeletonema cf. costatum RCC75. Data in Brief, 2022, 41, 107931.	0.5	1
3	Development of a Highly Sensitive Luciferase-Based Reporter System To Study Two-Step Protein Secretion in Cyanobacteria. Journal of Bacteriology, 2022, 204, JB0050421.	1.0	3
4	Pronounced Uptake and Metabolism of Organic Substrates by Diatoms Revealed by Pulse-Labeling Metabolomics. Frontiers in Marine Science, 2022, 9, .	1.2	10
5	Aquifer system and depth specific chemical patterns in fractured-rock groundwater from the Critical Zone revealed by untargeted LC-MS-based metabolomics. Water Research, 2022, 219, 118566.	5.3	2
6	Microbial community functioning during plant litter decomposition. Scientific Reports, 2022, 12, 7451.	1.6	12
7	Metabolic adaptation of diatoms to hypersalinity. Phytochemistry, 2022, 201, 113267.	1.4	15
8	12-Oxo-10-glutathionyl-5,8,14-eicosatrienoic acid (TOG10), a novel glutathione-containing eicosanoid generated via the 12-lipoxygenase pathway in human platelets. Prostaglandins and Other Lipid Mediators, 2021, 152, 106480.	1.0	2
9	Mating type specific transcriptomic response to sex inducing pheromone in the pennate diatom Seminavis robusta. ISME Journal, 2021, 15, 562-576.	4.4	17
10	Untargeted Metabolomics Unveil Changes in Autotrophic and Mixotrophic Galdieria sulphuraria Exposed to High-Light Intensity. International Journal of Molecular Sciences, 2021, 22, 1247.	1.8	7
11	Pheromone Mediated Sexual Reproduction of Pennate Diatom Cylindrotheca closterium. Journal of Chemical Ecology, 2021, 47, 504-512.	0.9	12
12	14,17,18-Trihydroxy-Eicosatetraenoic Acid: A Novel Pro-Resolving Lipid Mediator from Marine Microalgae. ACS Pharmacology and Translational Science, 2021, 4, 1188-1194.	2.5	1
13	A new glance at the chemosphere of macroalgalâ€“bacterial interactions: In situ profiling of metabolites in symbiosis by mass spectrometry. Beilstein Journal of Organic Chemistry, 2021, 17, 1313-1322.	1.3	9
14	A coupled enzyme assay for detection of selenium-binding protein 1 (SELENBP1) methanethiol oxidase (MTO) activity in mature enterocytes. Redox Biology, 2021, 43, 101972.	3.9	9
15	Soil Solution Analysis With Untargeted GCâ€“MSâ€”A Case Study With Different Lysimeter Types. Frontiers in Earth Science, 2021, 8, .	0.8	4
16	Sampling, separation, and quantification of Nâ€acyl homoserine lactones from marine intertidal sediments. Limnology and Oceanography: Methods, 2021, 19, 145-157.	1.0	12
17	Cysteinolic Acid Is a Widely Distributed Compatible Solute of Marine Microalgae. Marine Drugs, 2021, 19, 683.	2.2	4
18	trans, trans-2,4-Decadienal, a lipid peroxidation product, induces inflammatory responses via Hsp90- or 14â€“3-3Î¶-dependent mechanisms. Journal of Nutritional Biochemistry, 2020, 76, 108286.	1.9	10

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19	Iron is not everything: unexpected complex metabolic responses between iron-cycling microorganisms. ISME Journal, 2020, 14, 2675-2690.	4.4	14
20	High CO 2 concentration and iron availability determine the metabolic inventory in an Emiliania huxleyi â€dominated phytoplankton community. Environmental Microbiology, 2020, 22, 3863-3882.	1.8	3
21	Photoisomerization Neutralizes Vasoconstrictive Activity of a Heme Degradation Product. ACS Omega, 2020, 5, 21401-21411.	1.6	2
22	Metabolomics-derived marker metabolites to characterize Phaeocystis pouchetii physiology in natural plankton communities. Scientific Reports, 2020, 10, 20444.	1.6	12
23	Simultaneous Real-Time Measurement of Isoprene and 2-Methyl-3-Buten-2-ol Emissions From Trees Using SIFT-MS. Frontiers in Plant Science, 2020, 11, 578204.	1.7	7
24	The Seminavis robusta genome provides insights into the evolutionary adaptations of benthic diatoms. Nature Communications, 2020, 11, 3320.	5.8	55
25	Phytoplanktonâ€derived zwitterionic gonyol and dimethylsulfonioacetate interfere with microbial dimethylsulfoniopropionate sulfur cycling. MicrobiologyOpen, 2020, 9, e1014.	1.2	18
26	Identification to species level of live single microalgal cells from plankton samples with matrix-free laser/desorption ionization mass spectrometry. Metabolomics, 2020, 16, 28.	1.4	14
27	Pyrrolic and Dipyrrolic Chlorophyll Degradation Products in Plants and Herbivores. Chemistry - A European Journal, 2020, 26, 6205-6213.	1.7	9
28	Ectoine from Bacterial and Algal Origin Is a Compatible Solute in Microalgae. Marine Drugs, 2020, 18, 42.	2.2	49
29	Mammalianâ€Like Inflammatory and Proâ€Resolving Oxylipins in Marine Algae. ChemBioChem, 2020, 21, 2419-2424.	1.3	5
30	Single-cell bacterial transcription measurements reveal the importance of dimethylsulfoniopropionate (DMSP) hotspots in ocean sulfur cycling. Nature Communications, 2020, 11, 1942.	5.8	30
31	Sulfonium Acids Loaded onto an Unusual Thiotemplate Assembly Line Construct the Cyclopropanol Warhead of a Burkholderia Virulence Factor. Angewandte Chemie, 2020, 132, 13613-13617.	1.6	2
32	Sulfonium Acids Loaded onto an Unusual Thiotemplate Assembly Line Construct the Cyclopropanol Warhead of a Burkholderia Virulence Factor. Angewandte Chemie - International Edition, 2020, 59, 13511-13515.	7.2	19
33	Metabolomics Benefits from Orbitrap GCâ€“MSâ€”Comparison of Low- and High-Resolution GCâ€“MS. Metabolites, 2020, 10, 143.	1.3	34
34	SIFT-MS optimization for atmospheric trace gas measurements at varying humidity. Atmospheric Measurement Techniques, 2020, 13, 3507-3520.	1.2	22
35	Aquatic Chemical Ecologyâ€”A Focus on Algae. , 2020, , 244-267.		1
36	Labile heme impairs hepatic microcirculation and promotes hepatic injury. Archives of Biochemistry and Biophysics, 2019, 672, 108075.	1.4	21

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37	Biomimetic light dilution using side-emitting optical fiber for enhancing the productivity of microalgae reactors. Scientific Reports, 2019, 9, 9600.	1.6	13
38	15â€Hydroperoxyâ€PGE₂: Intermediate in Mammalian and Algal Prostaglandin Biosynthesis. Angewandte Chemie - International Edition, 2019, 58, 17641-17645.	7.2	4
39	Using chemical language to shape future marine health. Frontiers in Ecology and the Environment, 2019, 17, 530-537.	1.9	33
40	The oomycete Lagenisma coscinodisci hijacks host alkaloid synthesis during infection of a marine diatom. Nature Communications, 2019, 10, 4938.	5.8	14
41	15â€Hydroperoxyâ€PGE2: Intermediate in Mammalian and Algal Prostaglandin Biosynthesis. Angewandte Chemie, 2019, 131, 17805-17809.	1.6	0
42	Associated Bacteria Affect Sexual Reproduction by Altering Gene Expression and Metabolic Processes in a Biofilm Inhabiting Diatom. Frontiers in Microbiology, 2019, 10, 1790.	1.5	21
43	Isolate-specific resistance to the algicidal bacterium Kordia algicida in the diatom Chaetoceros genus. Botanica Marina, 2019, 62, 527-535.	0.6	6
44	Halogenated anilines as novel natural products from a marine biofilm forming microalga. Chemical Communications, 2019, 55, 11948-11951.	2.2	2
45	An Alternative Pathway to Leukotriene B₄ Enantiomers Involving a 1,8-Diol-Forming Reaction of an Algal Oxylipin. Organic Letters, 2019, 21, 4667-4670.	2.4	6
46	Total syntheses of the bilirubin oxidation end product Z-BOX C and its isomeric form Z-BOX D. Organic and Biomolecular Chemistry, 2019, 17, 6489-6496.	1.5	2
47	Artificial Microbial Arenas: Materials for Observing and Manipulating Microbial Consortia. Advanced Materials, 2019, 31, 1900284.	11.1	30
48	Algaeâ"bacteria interactions that balance the planktonic microbiome. New Phytologist, 2019, 223, 100-106.	3.5	181
49	Algicidal bacteria trigger contrasting responses in model diatom communities of different composition. MicrobiologyOpen, 2019, 8, e00818.	1.2	22
50	Live Single-Cell Metabolomics With Matrix-Free Laser/Desorption Ionization Mass Spectrometry to Address Microalgal Physiology. Frontiers in Plant Science, 2019, 10, 172.	1.7	26
51	Propentdyopents as Heme Degradation Intermediates Constrict Mouse Cerebral Arterioles and Are Present in the Cerebrospinal Fluid of Patients With Subarachnoid Hemorrhage. Circulation Research, 2019, 124, e101-e114.	2.0	24
52	Synthetic study of a moss-produced oxylipin and its structural revision. Tetrahedron, 2019, 75, 1555-1562.	1.0	2
53	The Algicidal Bacterium Kordia algicida Shapes a Natural Plankton Community. Applied and Environmental Microbiology, 2019, 85, .	1.4	20
54	Gas-Phase Chemistry in the GC Orbitrap Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2019, 30, 573-580.	1.2	7

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55	Simplifying the complex: metabolomics approaches in chemical ecology. Analytical and Bioanalytical Chemistry, 2019, 411, 13-19.	1.9	9
56	Algae induce siderophore biosynthesis in the freshwater bacterium Cupriavidus necator H16. BioMetals, 2019, 32, 77-88.	1.8	11
57	¹⁴Câ€Free Carbon Is a Major Contributor to Cellular Biomass in Geochemically Distinct Groundwater of Shallow Sedimentary Bedrock Aquifers. Water Resources Research, 2019, 55, 2104-2121.	1.7	24
58	Selective chemoattraction of the benthic diatom Seminavis robusta to phosphate but not to inorganic nitrogen sources contributes to biofilm structuring. MicrobiologyOpen, 2019, 8, e00694.	1.2	13
59	Decision-making of the benthic diatom Seminavis robusta searching for inorganic nutrients and pheromones. ISME Journal, 2019, 13, 537-546.	4.4	16
60	Finding the fish factor. ELife, 2019, 8, .	2.8	6
61	DeltaMS: a tool to track isotopologues in GC- and LC-MS data. Metabolomics, 2018, 14, 41.	1.4	18
62	In vivoandin vitroidentification ofZ-BOX C â€“ a new bilirubin oxidation end product. Organic and Biomolecular Chemistry, 2018, 16, 3553-3555.	1.5	14
63	Survey of the C20 and C22 oxylipin family in marine diatoms. Tetrahedron Letters, 2018, 59, 828-831.	0.7	23
64	Attraction Pheromone of The Benthic Diatom Seminavis robusta: Studies on Structure-Activity Relationships. Journal of Chemical Ecology, 2018, 44, 354-363.	0.9	11
65	Photocontrolled Release of Chemicals from Nanoâ€•and Microparticle Containers. Angewandte Chemie - International Edition, 2018, 57, 2479-2482.	7.2	25
66	Algal Oxylipins Mediate the Resistance of Diatoms against Algicidal Bacteria. Marine Drugs, 2018, 16, 486.	2.2	51
67	The making of a plankton toxin. Science, 2018, 361, 1308-1309.	6.0	2
68	In situ production of core and intact bacterial and archaeal tetraether lipids in groundwater. Organic Geochemistry, 2018, 126, 1-12.	0.9	14
69	The metabolite dimethylsulfoxonium propionate extends the marine organosulfur cycle. Nature, 2018, 563, 412-415.	13.7	93
70	Current Challenges in Plant Eco-Metabolomics. International Journal of Molecular Sciences, 2018, 19, 1385.	1.8	106
71	Biofilm interactionsâ€”bacteria modulate sexual reproduction success of the diatom Seminavis robusta. FEMS Microbiology Ecology, 2018, 94, .	1.3	41
72	Direct Synthesis of Heavy Grignard Reagents: Challenges, Limitations, and Derivatization. Chemistry - A European Journal, 2018, 24, 16840-16850.	1.7	29

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73	A Fateful Meeting of Two Phytoplankton Speciesâ€"Chemical vs. Cell-Cell-Interactions in Co-Cultures of the Green Algae Oocystis marsonii and the Cyanobacterium Microcystis aeruginosa. Microbial Ecology, 2017, 74, 22-32.	1.4	30
74	Sticking together: inter-species aggregation of bacteria isolated from iron snow is controlled by chemical signaling. ISME Journal, 2017, 11, 1075-1086.	4.4	21
75	Impact of higher-order heme degradation products on hepatic function and hemodynamics. Journal of Hepatology, 2017, 67, 272-281.	1.8	16
76	Metabolic profiling identifies trehalose as an abundant and diurnally fluctuating metabolite in the microalga Ostreococcus tauri. Metabolomics, 2017, 13, 68.	1.4	31
77	Editorial overview: Omics techniques to map the chemistry of life. Current Opinion in Chemical Biology, 2017, 36, v-vi.	2.8	1
78	A fast and direct liquid chromatographyâ€mass spectrometry method to detect and quantify polyunsaturated aldehydes and polar oxylipins in diatoms. Limnology and Oceanography: Methods, 2017, 15, 70-79.	1.0	4
79	Hydrocarbon-Soluble Bis(trimethylsilylmethyl)calcium and Calciumâ€"Iodine Exchange Reactions at sp²-Hybrized Carbon Atoms. Organometallics, 2017, 36, 3981-3986.	1.1	13
80	Strategies and ecological roles of algicidal bacteria. FEMS Microbiology Reviews, 2017, 41, 880-899.	3.9	153
81	Segmentation of clusters by template rotation expectation maximization. Computer Vision and Image Understanding, 2017, 154, 64-72.	3.0	3
82	Rapid Estimation of Astaxanthin and the Carotenoid-to-Chlorophyll Ratio in the Green Microalga Chromochloris zofingiensis Using Flow Cytometry. Marine Drugs, 2017, 15, 231.	2.2	41
83	Functional diversity of microbial communities in pristine aquifers inferred by PLFA- and sequencing-based approaches. Biogeosciences, 2017, 14, 2697-2714.	1.3	72
84	Seasonal Variations in Surface Metabolite Composition of Fucus vesiculosus and Fucus serratus from the Baltic Sea. PLoS ONE, 2016, 11, e0168196.	1.1	33
85	Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. Marine Drugs, 2016, 14, 191.	2.2	128
86	Identification of novel 7-methyl and cyclopentanyl branched glycerol dialkyl glycerol tetraethers in lake sediments. Organic Geochemistry, 2016, 102, 52-58.	0.9	45
87	Metabarcoding and metabolome analyses of copepod grazing reveal feeding preference and linkage to metabolite classes in dynamic microbial plankton communities. Molecular Ecology, 2016, 25, 5585-5602.	2.0	45
88	Isolation and Identification of Intermediates of the Oxidative Bilirubin Degradation. Organic Letters, 2016, 18, 4432-4435.	2.4	16
89	A sex-inducing pheromone triggers cell cycle arrest and mate attraction in the diatom Seminavis robusta. Scientific Reports, 2016, 6, 19252.	1.6	76
90	Searching for a Mate: Pheromone-Directed Movement of the Benthic Diatom Seminavis robusta. Microbial Ecology, 2016, 72, 287-294.	1.4	27

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91	A simple adjustment to test reliability of bacterivory rates derived from the dilution method. Limnology and Oceanography: Methods, 2016, 14, 114-123.	1.0	10
92	Selective silicate-directed motility in diatoms. Nature Communications, 2016, 7, 10540.	5.8	72
93	A solid phase extraction based non-disruptive sampling technique to investigate the surface chemistry of macroalgae. Biofouling, 2016, 32, 145-153.	0.8	8
94	Increased potential for wound activated production of Prostaglandin E2 and related toxic compounds in non-native populations of Gracilaria vermiculophylla. Harmful Algae, 2016, 51, 81-88.	2.2	22
95	Solid phase extraction and metabolic profiling of exudates from living copepods. PeerJ, 2016, 4, e1529.	0.9	19
96	Underestimation of microzooplankton grazing in dilution experiments due to inhibition of phytoplankton growth. Limnology and Oceanography, 2015, 60, 1426-1438.	1.6	19
97	Enhancement of dimethylsulfide production by anoxic stress in natural seawater. Geophysical Research Letters, 2015, 42, 4047-4053.	1.5	6
98	A Metabolic Probe-Enabled Strategy Reveals Uptake and Protein Targets of Polyunsaturated Aldehydes in the Diatom Phaeodactylum tricornutum. PLoS ONE, 2015, 10, e0140927.	1.1	2
99	Simplifying Complexity in Metabolomics. Chemistry and Biology, 2015, 22, 567-568.	6.2	5
100	Sulfated phenolic acids from Dasycladales siphonous green algae. Phytochemistry, 2015, 117, 417-423.	1.4	18
101	Metabolomics in chemical ecology. Natural Product Reports, 2015, 32, 937-955.	5.2	96
102	Draft Genome Sequence of Vibrio sp. Strain Vb278, an Antagonistic Bacterium Isolated from the Marine Sponge Sarcotragus spinosulus. Genome Announcements, 2015, 3, .	0.8	8
103	Extraction and Analysis of Oxylipins from Macroalgae Illustrated on the Example Gracilaria vermiculophylla. Methods in Molecular Biology, 2015, 1308, 159-172.	0.4	5
104	Sulfation mediates activity of zosteric acid against biofilm formation. Biofouling, 2015, 31, 253-263.	0.8	16
105	Seasonal fluctuations in chemical defenses against macrofouling in Fucus vesiculosus and Fucus serratus from the Baltic Sea. Biofouling, 2015, 31, 363-377.	0.8	25
106	Phenotypic diversity of diploid and haploid Emiliania huxleyi cells and of cells in different growth phases revealed by comparative metabolomics. Journal of Plant Physiology, 2015, 172, 137-148.	1.6	19
107	Simultaneous determination of the bilirubin oxidation end products Z-BOX A and Z-BOX B in human serum using liquid chromatography coupled to tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 974, 83-89.	1.2	18
108	Phytoplankton Cell Lysis Associated with Polyunsaturated Aldehyde Release in the Northern Adriatic Sea. PLoS ONE, 2014, 9, e85947.	1.1	42

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109	Accumulation of Polyunsaturated Aldehydes in the Gonads of the Copepod Acartia tonsa Revealed by Tailored Fluorescent Probes. PLoS ONE, 2014, 9, e112522.	1.1	9
110	Enhanced signal intensity in matrixâ€free laser desorption ionization mass spectrometry by chemical modification of bionanostructures from diatom cell walls. Rapid Communications in Mass Spectrometry, 2014, 28, 1521-1529.	0.7	2
111	Caulerpenyne and Related Bisâ€enol Esters Are Novelâ€Type Inhibitors of Human 5â€Lipoxygenase. ChemMedChem, 2014, 9, 1655-1659.	1.6	6
112	Impact of Heme and Heme Degradation Products on Vascular Diameter in Mouse Visual Cortex. Journal of the American Heart Association, 2014, 3, .	1.6	29
113	A small azide-modified thiazole-based reporter molecule for fluorescence and mass spectrometric detection. Beilstein Journal of Organic Chemistry, 2014, 10, 2470-2479.	1.3	19
114	Wound plug chemistry and morphology of two species of Caulerpa â€“ a comparative Raman microscopy study. Botanica Marina, 2014, 57, 1-7.	0.6	2
115	Chiral separation of a diketopiperazine pheromone from marine diatoms using supercritical fluid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 951-952, 58-61.	1.2	35
116	Pheromone signaling during sexual reproduction in algae. Plant Journal, 2014, 79, 632-644.	2.8	72
117	Matrixâ€free singleâ€cell LDIâ€MS investigations of the diatoms Coscinodiscus granii and Thalassiosira pseudonana. Journal of Mass Spectrometry, 2014, 49, 136-144.	0.7	11
118	Effects of Grazer Presence on Genetic Structure of a Phenotypically Diverse Diatom Population. Microbial Ecology, 2014, 67, 83-95.	1.4	11
119	Total synthesis and characterization of the bilirubin oxidation product (Z)-2-(4-ethenyl-3-methyl-5-oxo-1,5-dihydro-2H-pyrrol-2-ylidene)ethanamide (Z-BOX B). Tetrahedron Letters, 2014, 55, 6526-6529.	0.7	12
120	Rewiring Host Lipid Metabolism by Large Viruses Determines the Fate of Emiliania huxleyi, a Bloom-Forming Alga in the Ocean Â Â. Plant Cell, 2014, 26, 2689-2707.	3.1	132
121	Defence Chemistry Modulation by Light and Temperature Shifts and the Resulting Effects on Associated Epibacteria of Fucus vesiculosus. PLoS ONE, 2014, 9, e105333.	1.1	68
122	A co-culturing/metabolomics approach to investigate chemically mediated interactions of planktonic organisms reveals influence of bacteria on diatom metabolism. Metabolomics, 2013, 9, 349-359.	1.4	112
123	Total Synthesis and Detection of the Bilirubin Oxidation Product (Z)-2-(3-Ethenyl-4-methyl-5-oxo-1,5-dihydro-2H-pyrrol-2-ylidene)ethanamide (Z-BOX) Tj ETQq1 1 0.784314 rgBT /Ov		24
124	Synchronized Regulation of Different Zwitterionic Metabolites in the Osmoadaption of Phytoplankton. Marine Drugs, 2013, 11, 2168-2182.	2.2	72
125	Metabolomics Enables the Structure Elucidation of a Diatom Sex Pheromone. Angewandte Chemie - International Edition, 2013, 52, 854-857.	7.2	122
126	Laser desorption/ionization mediated by bionanostructures from microalgae. Rapid Communications in Mass Spectrometry, 2013, 27, 109-116.	0.7	12

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127	Raman Spectroscopic Insights into the Chemical Gradients within the Wound Plug of the Green Alga Caulerpa taxifolia. ChemBioChem, 2013, 14, 727-732.	1.3	9
128	Functionalized Bisâ€enol Acetates as Specific Molecular Probes for Esterases. ChemBioChem, 2013, 14, 2435-2438.	1.3	1
129	Microalgae in the postgenomic era: a blooming reservoir for new natural products. FEMS Microbiology Reviews, 2013, 37, 284-284.	3.9	2
130	Induction of Protease Release of the Resistant Diatom Chaetoceros didymus in Response to Lytic Enzymes from an Algicidal Bacterium. PLoS ONE, 2013, 8, e57577.	1.1	39
131	Domoic Acid Improves the Competitive Ability of Pseudo-nitzschia delicatissima against the Diatom Skeletonema marinoi. Marine Drugs, 2013, 11, 2398-2412.	2.2	29
132	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. Biofouling, 2012, 28, 687-696.	0.8	39
133	Daily bursts of biogenic cyanogen bromide (BrCN) control biofilm formation around a marine benthic diatom. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2412-2417.	3.3	71
134	Dimethylsulphopropionate (DMSP) and proline from the surface of the brown alga Fucus vesiculosus inhibit bacterial attachment. Biofouling, 2012, 28, 593-604.	0.8	94
135	De novo analysis of electron impact mass spectra using fragmentation trees. Analytica Chimica Acta, 2012, 739, 67-76.	2.6	26
136	Diatom Derived Polyunsaturated Aldehydes Do Not Structure the Planktonic Microbial Community in a Mesocosm Study. Marine Drugs, 2012, 10, 775-792.	2.2	26
137	Conserved and species-specific oxylipin pathways in the wound-activated chemical defense of the noninvasive red alga Gracilaria chilensis and the invasive Gracilaria vermiculophylla. Beilstein Journal of Organic Chemistry, 2012, 8, 283-289.	1.3	40
138	Comparative metabolomics of the diatom Skeletonema marinoi in different growth phases. Metabolomics, 2012, 8, 654-669.	1.4	94
139	Microalgae in the postgenomic era: a blooming reservoir for new natural products. FEMS Microbiology Reviews, 2012, 36, 761-785.	3.9	131
140	Daytime, growth phase and nitrate availability dependent variations of dimethylsulfoniopropionate in batch cultures of the diatom Skeletonema marinoi. Journal of Experimental Marine Biology and Ecology, 2012, 413, 121-130.	0.7	13
141	The effect of egg versus seston quality on hatching success, naupliar metabolism and survival of Calanus finmarchicus in mesocosms dominated by Phaeocystis and diatoms. Marine Biology, 2012, 159, 643-660.	0.7	15
142	Seaweeds early development: detrimental effects of desiccation and attenuation by algal extracts. Planta, 2012, 235, 337-348.	1.6	21
143	How to explore the sometimes unusual chemistry of aquatic defence chemicals. , 2012, , 184-195.		6
144	The green algaDicytosphaeria ocellataand its organic extracts alter natural bacterial biofilm communities. Biofouling, 2011, 27, 347-356.	0.8	26

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145	A Reactive Conjugated Allene Involved in the Biosynthesis of Volatile Oxylipins in the Moss Dicranum scoparium. Organic Letters, 2011, 13, 3229-3231.	2.4	4
146	A Desulfatationâ€“Oxidation Cascade Activates Coumarinâ€Based Crossâ€Linkers in the Wound Reaction of the Giant Unicellular Alga Dasycladus vermicularis. Angewandte Chemie - International Edition, 2011, 50, 7691-7694.	7.2	8
147	Production and role of volatile halogenated compounds from marine algae. Natural Product Reports, 2011, 28, 186-195.	5.2	177
148	Dynamics of Dissolved and Particulate Polyunsaturated Aldehydes in Mesocosms Inoculated with Different Densities of the Diatom Skeletonema marinoi. Marine Drugs, 2011, 9, 345-358.	2.2	35
149	Quantification of Dissolved and Particulate Polyunsaturated Aldehydes in the Adriatic Sea. Marine Drugs, 2011, 9, 500-513.	2.2	55
150	Metabolomic Assessment of Induced and Activated Chemical Defence in the Invasive Red Alga Gracilaria vermiculophylla. PLoS ONE, 2011, 6, e29359.	1.1	98
151	The Relevance of Marine Chemical Ecology to Plankton and Ecosystem Function: An Emerging Field. Marine Drugs, 2011, 9, 1625-1648.	2.2	106
152	The green macroalga Dictyosphaeria ocellataâ€ƒinfluences the structure of the bacterioplankton community through differential effects on individual bacterial phylotypes. FEMS Microbiology Ecology, 2011, 75, 242-254.	1.3	13
153	How will increased dinoflagellate:diatom ratios affect copepod egg production? â€" A case study from the Baltic Sea. Journal of Experimental Marine Biology and Ecology, 2011, 401, 134-140.	0.7	13
154	Influence of temperature and elevated carbon dioxide on the production of dimethylsulfoniopropionate and glycine betaine by marine phytoplankton. Marine Environmental Research, 2011, 73, 62-9.	1.1	34
155	Up-Regulation of Lipoxygenase, Phospholipase, and Oxylipin-Production in the Induced Chemical Defense of the Red Alga Gracilaria chilensis against Epiphytes. Journal of Chemical Ecology, 2011, 37, 677-686.	0.9	46
156	The Sesquiterpene Caulerpenyne from Caulerpa spp. is a Lipoxygenase Inhibitor. Marine Biotechnology, 2011, 13, 321-326.	1.1	23
157	Extensive cross-disciplinary analysis of biological and chemical control of Calanus finmarchicus reproduction during an aldehyde forming diatom bloom in mesocosms. Marine Biology, 2011, 158, 1943-1963.	0.7	20
158	Investigations of the Uptake of Dimethylsulfoniopropionate by Phytoplankton. ChemBioChem, 2011, 12, 2276-2279.	1.3	35
159	Dimethylsulfide sources from microalgae: Improvement and application of a derivatization-based method for the determination of dimethylsulfoniopropionate and other zwitterionic osmolytes in phytoplankton. Marine Chemistry, 2011, 124, 48-56.	0.9	29
160	Surface-associated fucoxanthin mediates settlement of bacterial epiphytes on the rockweedFucus vesiculosus. Biofouling, 2011, 27, 423-433.	0.8	112
161	Interactions of the Algicidal Bacterium Kordia algicida with Diatoms: Regulated Protease Excretion for Specific Algal Lysis. PLoS ONE, 2011, 6, e21032.	1.1	173
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