

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
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. <i>Annual Review of Marine Science</i> , 2022, 14, 239-260.	11.6	7
2	Draft genome assembly and sequencing dataset of the marine diatom <i>Skeletonema cf. costatum</i> RCC75. <i>Data in Brief</i> , 2022, 41, 107931.	1.0	1
3	Development of a Highly Sensitive Luciferase-Based Reporter System To Study Two-Step Protein Secretion in Cyanobacteria. <i>Journal of Bacteriology</i> , 2022, 204, JB0050421.	2.2	3
4	Pronounced Uptake and Metabolism of Organic Substrates by Diatoms Revealed by Pulse-Labeling Metabolomics. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	10
5	Aquifer system and depth specific chemical patterns in fractured-rock groundwater from the Critical Zone revealed by untargeted LC-MS-based metabolomics. <i>Water Research</i> , 2022, 219, 118566.	11.3	2
6	Microbial community functioning during plant litter decomposition. <i>Scientific Reports</i> , 2022, 12, 7451.	3.3	12
7	Metabolic adaptation of diatoms to hypersalinity. <i>Phytochemistry</i> , 2022, 201, 113267.	2.9	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. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 152, 106480.	1.9	2
9	Mating type specific transcriptomic response to sex inducing pheromone in the pennate diatom <i>Seminavis robusta</i> . <i>ISME Journal</i> , 2021, 15, 562-576.	9.8	17
10	Untargeted Metabolomics Unveil Changes in Autotrophic and Mixotrophic <i>Galdieria sulphuraria</i> Exposed to High-Light Intensity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1247.	4.1	7
11	Pheromone Mediated Sexual Reproduction of Pennate Diatom <i>Cylindrotheca closterium</i> . <i>Journal of Chemical Ecology</i> , 2021, 47, 504-512.	1.8	12
12	14,17,18-Trihydroxy-Eicosatetraenoic Acid: A Novel Pro-Resolving Lipid Mediator from Marine Microalgae. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1188-1194.	4.9	1
13	A new glance at the chemosphere of macroalgal-bacterial interactions: In situ profiling of metabolites in symbiosis by mass spectrometry. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1313-1322.	2.2	9
14	A coupled enzyme assay for detection of selenium-binding protein 1 (SELENBP1) methanethiol oxidase (MTO) activity in mature enterocytes. <i>Redox Biology</i> , 2021, 43, 101972.	9.0	9
15	Soil Solution Analysis With Untargeted GC-MS—A Case Study With Different Lysimeter Types. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	4
16	Sampling, separation, and quantification of <i>N</i> -acyl homoserine lactones from marine intertidal sediments. <i>Limnology and Oceanography: Methods</i> , 2021, 19, 145-157.	2.0	12
17	Cysteinolic Acid Is a Widely Distributed Compatible Solute of Marine Microalgae. <i>Marine Drugs</i> , 2021, 19, 683.	4.6	4
18	trans, trans-2,4-Decadienal, a lipid peroxidation product, induces inflammatory responses via Hsp90- or 14-3-3-dependent mechanisms. <i>Journal of Nutritional Biochemistry</i> , 2020, 76, 108286.	4.2	10

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19	Iron is not everything: unexpected complex metabolic responses between iron-cycling microorganisms. <i>ISME Journal</i> , 2020, 14, 2675-2690.	9.8	14
20	High CO ₂ concentration and iron availability determine the metabolic inventory in an <i>Emiliania huxleyi</i> dominated phytoplankton community. <i>Environmental Microbiology</i> , 2020, 22, 3863-3882.	3.8	3
21	Photoisomerization Neutralizes Vasoconstrictive Activity of a Heme Degradation Product. <i>ACS Omega</i> , 2020, 5, 21401-21411.	3.5	2
22	Metabolomics-derived marker metabolites to characterize <i>Phaeocystis pouchetii</i> physiology in natural plankton communities. <i>Scientific Reports</i> , 2020, 10, 20444.	3.3	12
23	Simultaneous Real-Time Measurement of Isoprene and 2-Methyl-3-Buten-2-ol Emissions From Trees Using SIFT-MS. <i>Frontiers in Plant Science</i> , 2020, 11, 578204.	3.6	7
24	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
25	Phytoplankton-derived zwitterionic gonyol and dimethylsulfonioacetate interfere with microbial dimethylsulfoniopropionate sulfur cycling. <i>MicrobiologyOpen</i> , 2020, 9, e1014.	3.0	18
26	Identification to species level of live single microalgal cells from plankton samples with matrix-free laser/desorption ionization mass spectrometry. <i>Metabolomics</i> , 2020, 16, 28.	3.0	14
27	Pyrrolic and Dipyrrolic Chlorophyll Degradation Products in Plants and Herbivores. <i>Chemistry - A European Journal</i> , 2020, 26, 6205-6213.	3.3	9
28	Ectoine from Bacterial and Algal Origin Is a Compatible Solute in Microalgae. <i>Marine Drugs</i> , 2020, 18, 42.	4.6	49
29	Mammalian-Like Inflammatory and Pro-Resolving Oxylipins in Marine Algae. <i>ChemBioChem</i> , 2020, 21, 2419-2424.	2.6	5
30	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
31	Sulfonium Acids Loaded onto an Unusual Thio-template Assembly Line Construct the Cyclopropanol Warhead of a <i>Burkholderia</i> Virulence Factor. <i>Angewandte Chemie</i> , 2020, 132, 13613-13617.	2.0	2
32	Sulfonium Acids Loaded onto an Unusual Thio-template Assembly Line Construct the Cyclopropanol Warhead of a <i>Burkholderia</i> Virulence Factor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13511-13515.	13.8	19
33	Metabolomics Benefits from Orbitrap GC-MS Comparison of Low- and High-Resolution GC-MS. <i>Metabolites</i> , 2020, 10, 143.	2.9	34
34	SIFT-MS optimization for atmospheric trace gas measurements at varying humidity. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3507-3520.	3.1	22
35	Aquatic Chemical Ecology – A Focus on Algae., 2020, , 244-267.		1
36	Labile heme impairs hepatic microcirculation and promotes hepatic injury. <i>Archives of Biochemistry and Biophysics</i> , 2019, 672, 108075.	3.0	21

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37	Biomimetic light dilution using side-emitting optical fiber for enhancing the productivity of microalgae reactors. <i>Scientific Reports</i> , 2019, 9, 9600.	3.3	13
38	15- <i>Hydroperoxy</i> -PGE ₂ : Intermediate in Mammalian and Algal Prostaglandin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17641-17645.	13.8	4
39	Using chemical language to shape future marine health. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 530-537.	4.0	33
40	The oomycete <i>Lagenisma coscinodisci</i> hijacks host alkaloid synthesis during infection of a marine diatom. <i>Nature Communications</i> , 2019, 10, 4938.	12.8	14
41	15- <i>Hydroperoxy</i> -PGE ₂ : Intermediate in Mammalian and Algal Prostaglandin Biosynthesis. <i>Angewandte Chemie</i> , 2019, 131, 17805-17809.	2.0	0
42	Associated Bacteria Affect Sexual Reproduction by Altering Gene Expression and Metabolic Processes in a Biofilm Inhabiting Diatom. <i>Frontiers in Microbiology</i> , 2019, 10, 1790.	3.5	21
43	Isolate-specific resistance to the algicidal bacterium <i>Kordia algicida</i> in the diatom <i>Chaetoceros</i> genus. <i>Botanica Marina</i> , 2019, 62, 527-535.	1.2	6
44	Halogenated anilines as novel natural products from a marine biofilm forming microalga. <i>Chemical Communications</i> , 2019, 55, 11948-11951.	4.1	2
45	An Alternative Pathway to Leukotriene B ₄ Enantiomers Involving a 1,8-Diol-Forming Reaction of an Algal Oxylipin. <i>Organic Letters</i> , 2019, 21, 4667-4670.	4.6	6
46	Total syntheses of the bilirubin oxidation end product <i>Z</i> -BOX C and its isomeric form <i>Z</i> -BOX D. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6489-6496.	2.8	2
47	Artificial Microbial Arenas: Materials for Observing and Manipulating Microbial Consortia. <i>Advanced Materials</i> , 2019, 31, 1900284.	21.0	30
48	Algae-bacteria interactions that balance the planktonic microbiome. <i>New Phytologist</i> , 2019, 223, 100-106.	7.3	181
49	Algicidal bacteria trigger contrasting responses in model diatom communities of different composition. <i>MicrobiologyOpen</i> , 2019, 8, e00818.	3.0	22
50	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
51	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
52	Synthetic study of a moss-produced oxylipin and its structural revision. <i>Tetrahedron</i> , 2019, 75, 1555-1562.	1.9	2
53	The Algicidal Bacterium <i>Kordia algicida</i> Shapes a Natural Plankton Community. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	20
54	Gas-Phase Chemistry in the GC Orbitrap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 573-580.	2.8	7

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55	Simplifying the complex: metabolomics approaches in chemical ecology. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 13-19.	3.7	9
56	Algae induce siderophore biosynthesis in the freshwater bacterium <i>Cupriavidus necator</i> H16. <i>BioMetals</i> , 2019, 32, 77-88.	4.1	11
57	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
58	Selective chemoattraction of the benthic diatom <i>Seminavis robusta</i> to phosphate but not to inorganic nitrogen sources contributes to biofilm structuring. <i>MicrobiologyOpen</i> , 2019, 8, e00694.	3.0	13
59	Decision-making of the benthic diatom <i>Seminavis robusta</i> searching for inorganic nutrients and pheromones. <i>ISME Journal</i> , 2019, 13, 537-546.	9.8	16
60	Finding the fish factor. <i>ELife</i> , 2019, 8, .	6.0	6
61	DeltaMS: a tool to track isotopologues in GC- and LC-MS data. <i>Metabolomics</i> , 2018, 14, 41.	3.0	18
62	<i>In vivo</i> and <i>in vitro</i> identification of <i>Z</i> -BOX C – a new bilirubin oxidation end product. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3553-3555.	2.8	14
63	Survey of the C20 and C22 oxylipin family in marine diatoms. <i>Tetrahedron Letters</i> , 2018, 59, 828-831.	1.4	23
64	Attraction Pheromone of The Benthic Diatom <i>Seminavis robusta</i> : Studies on Structure-Activity Relationships. <i>Journal of Chemical Ecology</i> , 2018, 44, 354-363.	1.8	11
65	Photocontrolled Release of Chemicals from Nano- and Microparticle Containers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2479-2482.	13.8	25
66	Algal Oxylipins Mediate the Resistance of Diatoms against Algicidal Bacteria. <i>Marine Drugs</i> , 2018, 16, 486.	4.6	51
67	The making of a plankton toxin. <i>Science</i> , 2018, 361, 1308-1309.	12.6	2
68	In situ production of core and intact bacterial and archaeal tetraether lipids in groundwater. <i>Organic Geochemistry</i> , 2018, 126, 1-12.	1.8	14
69	The metabolite dimethylsulfoxonium propionate extends the marine organosulfur cycle. <i>Nature</i> , 2018, 563, 412-415.	27.8	93
70	Current Challenges in Plant Eco-Metabolomics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1385.	4.1	106
71	Biofilm interactions – bacteria modulate sexual reproduction success of the diatom <i>Seminavis robusta</i> . <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	41
72	Direct Synthesis of Heavy Grignard Reagents: Challenges, Limitations, and Derivatization. <i>Chemistry - A European Journal</i> , 2018, 24, 16840-16850.	3.3	29

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73	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
74	Sticking together: inter-species aggregation of bacteria isolated from iron snow is controlled by chemical signaling. <i>ISME Journal</i> , 2017, 11, 1075-1086.	9.8	21
75	Impact of higher-order heme degradation products on hepatic function and hemodynamics. <i>Journal of Hepatology</i> , 2017, 67, 272-281.	3.7	16
76	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
77	Editorial overview: Omics techniques to map the chemistry of life. <i>Current Opinion in Chemical Biology</i> , 2017, 36, v-vi.	6.1	1
78	A fast and direct liquid chromatography–mass spectrometry method to detect and quantify polyunsaturated aldehydes and polar oxylipins in diatoms. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 70-79.	2.0	4
79	Hydrocarbon-Soluble Bis(trimethylsilylmethyl)calcium and Calcium–Iodine Exchange Reactions at sp ² -Hybridized Carbon Atoms. <i>Organometallics</i> , 2017, 36, 3981-3986.	2.3	13
80	Strategies and ecological roles of algicidal bacteria. <i>FEMS Microbiology Reviews</i> , 2017, 41, 880-899.	8.6	153
81	Segmentation of clusters by template rotation expectation maximization. <i>Computer Vision and Image Understanding</i> , 2017, 154, 64-72.	4.7	3
82	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
83	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
84	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
85	Extracellular Metabolites from Industrial Microalgae and Their Biotechnological Potential. <i>Marine Drugs</i> , 2016, 14, 191.	4.6	128
86	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
87	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
88	Isolation and Identification of Intermediates of the Oxidative Bilirubin Degradation. <i>Organic Letters</i> , 2016, 18, 4432-4435.	4.6	16
89	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
90	Searching for a Mate: Pheromone-Directed Movement of the Benthic Diatom <i>Seminavis robusta</i> . <i>Microbial Ecology</i> , 2016, 72, 287-294.	2.8	27

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91	A simple adjustment to test reliability of bacterivory rates derived from the dilution method. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 114-123.	2.0	10
92	Selective silicate-directed motility in diatoms. <i>Nature Communications</i> , 2016, 7, 10540.	12.8	72
93	A solid phase extraction based non-disruptive sampling technique to investigate the surface chemistry of macroalgae. <i>Biofouling</i> , 2016, 32, 145-153.	2.2	8
94	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
95	Solid phase extraction and metabolic profiling of exudates from living copepods. <i>PeerJ</i> , 2016, 4, e1529.	2.0	19
96	Underestimation of microzooplankton grazing in dilution experiments due to inhibition of phytoplankton growth. <i>Limnology and Oceanography</i> , 2015, 60, 1426-1438.	3.1	19
97	Enhancement of dimethylsulfide production by anoxic stress in natural seawater. <i>Geophysical Research Letters</i> , 2015, 42, 4047-4053.	4.0	6
98	A Metabolic Probe-Enabled Strategy Reveals Uptake and Protein Targets of Polyunsaturated Aldehydes in the Diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2015, 10, e0140927.	2.5	2
99	Simplifying Complexity in Metabolomics. <i>Chemistry and Biology</i> , 2015, 22, 567-568.	6.0	5
100	Sulfated phenolic acids from Dasycladales siphonous green algae. <i>Phytochemistry</i> , 2015, 117, 417-423.	2.9	18
101	Metabolomics in chemical ecology. <i>Natural Product Reports</i> , 2015, 32, 937-955.	10.3	96
102	Draft Genome Sequence of <i>Vibrio</i> sp. Strain Vb278, an Antagonistic Bacterium Isolated from the Marine Sponge <i>Sarcotragus spinosulus</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	8
103	Extraction and Analysis of Oxylipins from Macroalgae Illustrated on the Example <i>Gracilaria vermiculophylla</i> . <i>Methods in Molecular Biology</i> , 2015, 1308, 159-172.	0.9	5
104	Sulfation mediates activity of zosteric acid against biofilm formation. <i>Biofouling</i> , 2015, 31, 253-263.	2.2	16
105	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
106	Phenotypic diversity of diploid and haploid <i>Emiliana huxleyi</i> cells and of cells in different growth phases revealed by comparative metabolomics. <i>Journal of Plant Physiology</i> , 2015, 172, 137-148.	3.5	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 974, 83-89.	2.3	18
108	Phytoplankton Cell Lysis Associated with Polyunsaturated Aldehyde Release in the Northern Adriatic Sea. <i>PLoS ONE</i> , 2014, 9, e85947.	2.5	42

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109	Accumulation of Polyunsaturated Aldehydes in the Gonads of the Copepod <i>Acartia tonsa</i> Revealed by Tailored Fluorescent Probes. <i>PLoS ONE</i> , 2014, 9, e112522.	2.5	9
110	Enhanced signal intensity in matrix-free laser desorption/ionization mass spectrometry by chemical modification of bionanostructures from diatom cell walls. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1521-1529.	1.5	2
111	Caulerpenyne and Related Bis-Enol Esters Are Novel Type Inhibitors of Human 5-Lipoxygenase. <i>ChemMedChem</i> , 2014, 9, 1655-1659.	3.2	6
112	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
113	A small azide-modified thiazole-based reporter molecule for fluorescence and mass spectrometric detection. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2470-2479.	2.2	19
114	Wound plug chemistry and morphology of two species of <i>Caulerpa</i> – a comparative Raman microscopy study. <i>Botanica Marina</i> , 2014, 57, 1-7.	1.2	2
115	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
116	Pheromone signaling during sexual reproduction in algae. <i>Plant Journal</i> , 2014, 79, 632-644.	5.7	72
117	Matrix-free single-cell LDI-MS investigations of the diatoms <i>Coscinodiscus granii</i> and <i>Thalassiosira pseudonana</i> . <i>Journal of Mass Spectrometry</i> , 2014, 49, 136-144.	1.6	11
118	Effects of Grazer Presence on Genetic Structure of a Phenotypically Diverse Diatom Population. <i>Microbial Ecology</i> , 2014, 67, 83-95.	2.8	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). <i>Tetrahedron Letters</i> , 2014, 55, 6526-6529.	1.4	12
120	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
121	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
122	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
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 ETQq14.0.784314 rgBT /Dx	1.4	14
124	Synchronized Regulation of Different Zwitterionic Metabolites in the Osmoadaptation of Phytoplankton. <i>Marine Drugs</i> , 2013, 11, 2168-2182.	4.6	72
125	Metabolomics Enables the Structure Elucidation of a Diatom Sex Pheromone. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 854-857.	13.8	122
126	Laser desorption/ionization mediated by bionanostructures from microalgae. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 109-116.	1.5	12

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127	Raman Spectroscopic Insights into the Chemical Gradients within the Wound Plug of the Green Alga <i>Caulerpa taxifolia</i> . ChemBioChem, 2013, 14, 727-732.	2.6	9
128	Functionalized Bisphenol Acetates as Specific Molecular Probes for Esterases. ChemBioChem, 2013, 14, 2435-2438.	2.6	1
129	Microalgae in the postgenomic era: a blooming reservoir for new natural products. FEMS Microbiology Reviews, 2013, 37, 284-284.	8.6	2
130	Induction of Protease Release of the Resistant Diatom <i>Chaetoceros didymus</i> in Response to Lytic Enzymes from an Algicidal Bacterium. PLoS ONE, 2013, 8, e57577.	2.5	39
131	Domoic Acid Improves the Competitive Ability of <i>Pseudo-nitzschia delicatissima</i> against the Diatom <i>Skeletonema marinoi</i> . Marine Drugs, 2013, 11, 2398-2412.	4.6	29
132	Disruption-free imaging by Raman spectroscopy reveals a chemical sphere with antifouling metabolites around macroalgae. Biofouling, 2012, 28, 687-696.	2.2	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.	7.1	71
134	Dimethylsulphopropionate (DMSP) and proline from the surface of the brown alga <i>Fucus vesiculosus</i> inhibit bacterial attachment. Biofouling, 2012, 28, 593-604.	2.2	94
135	De novo analysis of electron impact mass spectra using fragmentation trees. Analytica Chimica Acta, 2012, 739, 67-76.	5.4	26
136	Diatom Derived Polyunsaturated Aldehydes Do Not Structure the Planktonic Microbial Community in a Mesocosm Study. Marine Drugs, 2012, 10, 775-792.	4.6	26
137	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> . Beilstein Journal of Organic Chemistry, 2012, 8, 283-289.	2.2	40
138	Comparative metabolomics of the diatom <i>Skeletonema marinoi</i> in different growth phases. Metabolomics, 2012, 8, 654-669.	3.0	94
139	Microalgae in the postgenomic era: a blooming reservoir for new natural products. FEMS Microbiology Reviews, 2012, 36, 761-785.	8.6	131
140	Daytime, growth phase and nitrate availability dependent variations of dimethylsulfonylpropionate in batch cultures of the diatom <i>Skeletonema marinoi</i> . Journal of Experimental Marine Biology and Ecology, 2012, 413, 121-130.	1.5	13
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