Gill Malin

List of Publications by Year
in descending order

69 papers	5,845 citations	101384 36 h-index	102304 66 g-index
72 all docs	72 docs citations	72 times ranked	6002 citing authors

#	Article	IF	Citations
1	In situ automated imaging, using the Plankton Imager, captures temporal variations in mesozooplankton using the Celtic Sea as a case study. Journal of Plankton Research, 2021, 43, 300-313.	0.8	4
2	Halocarbon emissions by selected tropical seaweeds exposed to different temperatures. Phytochemistry, 2021, 190, 112869.	1.4	8
3	The emission of volatile halocarbons by seaweeds and their response towards environmental changes. Journal of Applied Phycology, 2020, 32, 1377-1394.	1.5	26
4	Global sea-surface iodide observations, 1967â€“2018. Scientific Data, 2019, 6, 286.	2.4	25
5	Effect of irradiance on the emission of short-lived halocarbons from three common tropical marine microalgae. PeerJ, 2019, 7, e6758.	0.9	7
6	Insights into toxic Prymnesium parvum blooms: the role of sugars and algal viruses. Biochemical Society Transactions, 2018, 46, 413-421.	1.6	16
7	Emission of short-lived halocarbons by three common tropical marine microalgae during batch culture. Journal of Applied Phycology, 2018, 30, 341-353.	1.5	21
8	Halocarbon emissions from marine phytoplankton and climate change. International Journal of Environmental Science and Technology, 2017, 14, 1355-1370.	1.8	40
9	Characterization and Genome Sequence of Marine Alteromonas gracilis Phage PB15 Isolated from the Yellow Sea, China. Current Microbiology, 2017, 74, 821-826.	1.0	15
10	Comparative study of the composition and genetic diversity of the picoeukaryote community in a Chinese aquaculture area and an open sea area. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 151-159.	0.4	18
11	Isolation and Characterization of a Double Stranded DNA Megavirus Infecting the Toxin-Producing Haptophyte Prymnesium parvum. Viruses, 2017, 9, 40.	1.5	20
12	Halocarbon emissions by selected tropical seaweeds: species-specific and compound-specific responses under changing pH. PeerJ, 2017, 5, e2918.	0.9	19
13	Effect of ocean acidification and elevated <i>f</i>CO₂ on trace gas production by a Baltic Sea summer phytoplankton community. Biogeosciences, 2016, 13, 4595-4613.	1.3	20
14	Ocean acidification has different effects on the production of dimethylsulfide and dimethylsulfoniopropionate measured in cultures of Emiliania huxleyi and a mesocosm study: a comparison of laboratory monocultures and community interactions. Environmental Chemistry, 2016, 13, 314.	0.7	29
15	The effect of desiccation on the emission of volatile bromocarbons from two common temperate macroalgae. Biogeosciences, 2015, 12, 387-398.	1.3	12
16	Insights into the Regulation of DMSP Synthesis in the Diatom Thalassiosira pseudonana through APR Activity, Proteomics and Gene Expression Analyses on Cells Acclimating to Changes in Salinity, Light and Nitrogen. PLoS ONE, 2014, 9, e94795.	1.1	49
17	The variability in DMSP content and DMSP lyase activity in marine dinoflagellates. Progress in Oceanography, 2014, 120, 410-424.	1.5	75
18	Algal biofuels: impact significance and implications for EU multi-level governance. Journal of Cleaner Production, 2014, 72, 4-13.	4.6	41

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19	Transcriptome analysis of the sulfate deficiency response in the marine microalga Emiliania huxleyi. New Phytologist, 2013, 199, 650-662.	3.5	71
20	In vivo speciation studies and antioxidant properties of bromine in Laminaria digitata reinforce the significance of iodine accumulation for kelps. Journal of Experimental Botany, 2013, 64, 2653-2664.	2.4	49
21	Emission of atmospherically significant halocarbons by naturally occurring and farmed tropical macroalgae. Biogeosciences, 2013, 10, 3615-3633.	1.3	75
22	Identification of senescence and death in Emiliania huxleyi and Thalassiosira pseudonana: Cell staining, chlorophyll alterations, and dimethylsulfoniopropionate (DMSP) metabolism. Limnology and Oceanography, 2012, 57, 305-317.	1.6	46
23	The Response of Diatom Central Carbon Metabolism to Nitrogen Starvation Is Different from That of Green Algae and Higher Plants Â. Plant Physiology, 2012, 158, 299-312.	2.3	318
24	Global oceanic DMS data inter-comparability. Biogeochemistry, 2012, 110, 147-161.	1.7	21
25	Concentrations of dimethylsulphoniopropionate and activities of dimethylsulphide-producing enzymes in batch cultures of nine dinoflagellate species. Biogeochemistry, 2012, 110, 87-107.	1.7	30
26	Special Issue of the 5th International Symposium on Biological and Environmental Chemistry of DMS(P) and Related Compounds, Goa, India, 19â€“22 October 2010. Biogeochemistry, 2012, 110, 1-4.	1.7	0
27	Climateâ€induced change in biogenic bromine emissions from the Antarctic marine biosphere. Global Biogeochemical Cycles, 2012, 26, .	1.9	19
28	Iodomethane production by two important marine cyanobacteria: Prochlorococcus marinus (CCMP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	69
29	The role of dissolved infochemicals in mediating predator-prey interactions in the heterotrophic dinoflagellate Oxyrrhis marina. Journal of Plankton Research, 2011, 33, 629-639.	0.8	34
30	Seasonal and interannual variation of dissolved iodine speciation at a coastal Antarctic site. Marine Chemistry, 2010, 118, 171-181.	0.9	49
31	Modelling the concentration of exuded dimethylsulphoniopropionate (DMSP) in the boundary layer surrounding phytoplankton cells. Journal of Plankton Research, 2010, 32, 253-257.	0.8	17
32	A first appraisal of prognostic ocean DMS models and prospects for their use in climate models. Global Biogeochemical Cycles, 2010, 24, .	1.9	50
33	Strong linkages between dimethylsulphoniopropionate (DMSP) and phytoplankton community physiology in a large subtropical and tropical Atlantic Ocean data set. Global Biogeochemical Cycles, 2010, 24, .	1.9	21
34	Dimethylsulphoniopropionate (DMSP), DMSP-lyase activity (DLA) and dimethylsulphide (DMS) in 10 species of coccolithophore. Marine Ecology - Progress Series, 2010, 410, 13-23.	0.9	45
35	Dimethylsulphide, DMSP-lyase activity and microplankton community structure inside and outside of the Mauritanian upwelling. Progress in Oceanography, 2009, 83, 134-142.	1.5	21
36	Release and transformations of inorganic iodine by marine macroalgae. Estuarine, Coastal and Shelf Science, 2009, 82, 406-414.	0.9	46

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37	Chapter 1 Impacts of the Oceans on Climate Change. Advances in Marine Biology, 2009, 56, 1-150.	0.7	110
38	Effect of dead phytoplankton cells on the apparent efficiency of photosystem II. Marine Ecology - Progress Series, 2009, 382, 35-40.	0.9	40
39	The production of volatile iodocarbons by biogenic marine aggregates. Limnology and Oceanography, 2008, 53, 867-872.	1.6	52
40	Growth rates of six coccolithophorid strains as a function of temperature. Limnology and Oceanography, 2008, 53, 1181-1185.	1.6	84
41	Structural and Regulatory Genes Required to Make the Gas Dimethyl Sulfide in Bacteria. Science, 2007, 315, 666-669.	6.0	256
42	Reduction of iodate to iodide by cold water diatom cultures. Marine Chemistry, 2007, 105, 169-180.	0.9	77
43	Biological and environmental chemistry of DMS(P) and related compounds. Aquatic Sciences, 2007, 69, 289-291.	0.6	4
44	Substrate kinetics of DMSP-lyases in axenic cultures and mesocosm populations of Emiliania huxleyi. Aquatic Sciences, 2007, 69, 352-359.	0.6	24
45	Spatial variability in DMSP-lyase activity along an Atlantic meridional transect. Aquatic Sciences, 2007, 69, 320-329.	0.6	10
46	Environmental constraints on the production and removal of the climatically active gas dimethylsulphide (DMS) and implications for ecosystem modelling. Biogeochemistry, 2007, 83, 245-275.	1.7	433
47	Environmental constraints on the production and removal of the climatically active gas dimethylsulphide (DMS) and implications for ecosystem modelling. , 2007, , 245-275.		53
48	A comparison of dimethylsulphide (DMS) data from the Atlantic Meridional Transect (AMT) programme with proposed algorithms for global surface DMS concentrations. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1720-1735.	0.6	25
49	The Atlantic Meridional Transect (AMT) Programme: A contextual view 1995â€“2005. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1485-1515.	0.6	90
50	VIRAL INFECTION OF EMILIANIA HUXLEYI (PRYMNESIOPHYCEAE) LEADS TO ELEVATED PRODUCTION OF REACTIVE OXYGEN SPECIES. Journal of Phycology, 2006, 42, 1040-1047.	1.0	87
51	OCEANS: New Pieces for the Marine Sulfur Cycle Jigsaw. Science, 2006, 314, 607-608.	6.0	24
52	The effect of light stress on the release of volatile iodocarbons by three species of marine microalgae. Limnology and Oceanography, 2006, 51, 2849-2854.	1.6	46
53	Ethene (ethylene) production in the marine macroalga Ulva (Enteromorpha) intestinalis L. (Chlorophyta, Ulvophyceae): effect of light-stress and co-production with dimethyl sulphide. Plant, Cell and Environment, 2005, 28, 1136-1145.	2.8	55
54	Isoprene and other non-methane hydrocarbons from seaweeds: a source of reactive hydrocarbons to the atmosphere. Marine Chemistry, 2004, 88, 61-73.	0.9	134

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55	Dimethyl sulfide production: what is the contribution of the coccolithophores?. , 2004, , 127-164.		24
56	The Role of Dimethylsulphoxide in the Marine Biogeochemical Cycle of Dimethylsulphide. Oceanography and Marine Biology, 2004, , 29-56.	1.0	25
57	Virus Succession Observed during an Emiliania huxleyi Bloom. Applied and Environmental Microbiology, 2003, 69, 2484-2490.	1.4	108
58	Vertical and temporal variability of DMSP lyase activity in a coccolithophorid bloom in the northern North Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 3001-3016.	0.6	44
59	Coccolithovirus (Phycodnaviridae): Characterisation of a new large dsDNA algal virus that infects Emiliana huxleyi. Archives of Virology, 2002, 147, 1685-1698.	0.9	168
60	TROPHIC INTERACTIONS IN THE SEA: AN ECOLOGICAL ROLE FOR CLIMATE RELEVANT VOLATILES?1. Journal of Phycology, 2002, 38, 630-638.	1.0	112
61	DMS production in a coccolithophorid bloom: evidence for the importance of dinoflagellate DMSP lyases. Aquatic Microbial Ecology, 2002, 26, 259-270.	0.9	79
62	Novel biogenic iodine-containing trihalomethanes and other short-lived halocarbons in the coastal east Atlantic. Global Biogeochemical Cycles, 2000, 14, 1191-1204.	1.9	163
63	In situ evaluation of air-sea gas exchange parameterizations using novel conservative and volatile tracers. Global Biogeochemical Cycles, 2000, 14, 373-387.	1.9	1,177
64	Distribution of biogenic sulphur compounds during and just after the southwest monsoon in the Arabian Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 1999, 46, 617-632.	0.6	36
65	A global database of sea surface dimethylsulfide (DMS) measurements and a procedure to predict sea surface DMS as a function of latitude, longitude, and month. Global Biogeochemical Cycles, 1999, 13, 399-444.	1.9	552
66	Marine sulphur emissions. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 159-169.	1.8	139
67	ALGAL PRODUCTION OF DIMETHYL SULFIDE AND ITS ATMOSPHERIC ROLE1. Journal of Phycology, 1997, 33, 889-896.	1.0	171
68	Identification of a periplasmic dimethylsulphoxide reductase in Hyphomicrobium EG grown under chemolithoheterotrophic conditions with dimethylsulphoxide as carbon source. Archives of Microbiology, 1994, 162, 148-150.	1.0	16
69	Identification of a periplasmic dimethylsulphoxide reductase in Hyphomicrobium EG grown under chemolithoheterotrophic conditions with dimethylsulphoxide as carbon source. Archives of Microbiology, 1994, 162, 148-150.	1.0	1