

# Martin T Johnson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4648944/publications.pdf>

Version: 2024-02-01

31  
papers

1,559  
citations

471061

17  
h-index

433756

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3006  
citing authors

#	ARTICLE	IF	CITATIONS
1	First plants cooled the Ordovician. <i>Nature Geoscience</i> , 2012, 5, 86-89.	5.4	261
2	A numerical scheme to calculate temperature and salinity dependent air-water transfer velocities for any gas. <i>Ocean Science</i> , 2010, 6, 913-932.	1.3	177
3	Mechanisms of microbial carbon sequestration in the ocean – future research directions. <i>Biogeosciences</i> , 2014, 11, 5285-5306.	1.3	177
4	The Ocean's Vital Skin: Toward an Integrated Understanding of the Sea Surface Microlayer. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	137
5	Global oceanic emission of ammonia: Constraints from seawater and atmospheric observations. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1165-1178.	1.9	96
6	Field observations of the ocean-atmosphere exchange of ammonia: Fundamental importance of temperature as revealed by a comparison of high and low latitudes. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	83
7	Air-sea fluxes of oxygenated volatile organic compounds across the Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7499-7517.	1.9	70
8	Carbon on the Northwest European Shelf: Contemporary Budget and Future Influences. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	70
9	Transfer Across the Air-Sea Interface. <i>Springer Earth System Sciences</i> , 2014, , 55-112.	0.1	69
10	The seasonal cycle of ocean-atmosphere CO <sub>2</sub> flux in Ryder Bay, west Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2015, 42, 2934-2942.	1.5	41
11	Ammonium accumulation during a silicate-limited diatom bloom indicates the potential for ammonia emission events. <i>Marine Chemistry</i> , 2007, 106, 63-75.	0.9	37
12	Ammonia/ammonium dissociation coefficient in seawater: A significant numerical correction. <i>Environmental Chemistry</i> , 2007, 4, 183.	0.7	36
13	The seasonal cycle of carbonate system processes in Ryder Bay, West Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 167-180.	0.6	36
14	Coupling between dimethylsulfide emissions and the ocean - atmosphere exchange of ammonia. <i>Environmental Chemistry</i> , 2008, 5, 259.	0.7	35
15	The impacts of ocean acidification on marine trace gases and the implications for atmospheric chemistry and climate. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190769.	1.0	31
16	Benthic pH gradients across a range of shelf sea sediment types linked to sediment characteristics and seasonal variability. <i>Biogeochemistry</i> , 2017, 135, 69-88.	1.7	27
17	Aerosol isotopic ammonium signatures over the remote Atlantic Ocean. <i>Atmospheric Environment</i> , 2016, 133, 165-169.	1.9	21
18	Long-Term Planetary Habitability and the Carbonate-Silicate Cycle. <i>Astrobiology</i> , 2018, 18, 469-480.	1.5	20

#	ARTICLE	IF	CITATIONS
19	Climate-induced change in biogenic bromine emissions from the Antarctic marine biosphere. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	19
20	Characterising the seasonal cycle of dissolved organic nitrogen using Cefas SmartBuoy high-resolution time-series samples from the southern North Sea. <i>Biogeochemistry</i> , 2013, 113, 23-36.	1.7	18
21	Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. <i>Springer Earth System Sciences</i> , 2014, , 1-54.	0.1	17
22	Net community production in the North Atlantic Ocean derived from Volunteer Observing Ship data. <i>Global Biogeochemical Cycles</i> , 2015, 29, 80-95.	1.9	16
23	Surface ocean-lower atmosphere study: Scientific synthesis and contribution to Earth system science. <i>Anthropocene</i> , 2015, 12, 54-68.	1.6	13
24	Corrigendum to: Ammonia/ammonium dissociation coefficient in seawater: A significant numerical correction. <i>Environmental Chemistry</i> , 2008, 5, 258.	0.7	13
25	Interannual variability in the summer dissolved organic matter inventory of the North Sea: implications for the continental shelf pump. <i>Biogeosciences</i> , 2019, 16, 1073-1096.	1.3	10
26	Seasonal variations in the concentrations of methyl and ethyl nitrate in a shallow freshwater lake. <i>Limnology and Oceanography</i> , 2010, 55, 305-314.	1.6	9
27	Uncertainty and sensitivity in optode-based shelf-sea net community production estimates. <i>Biogeosciences</i> , 2016, 13, 943-959.	1.3	8
28	A Capacitor-Discharge Mechanism to Explain the Timing of Orogeny-Related Global Glaciations. <i>Geophysical Research Letters</i> , 2019, 46, 8347-8354.	1.5	4
29	Why NH <sub>3</sub> is not a candidate reagent for ambient CO <sub>2</sub> fixation: A response to "Alternative solution to global warming arising from CO <sub>2</sub> emissions" Partial neutralization of tropospheric H <sub>2</sub> CO <sub>3</sub> with NH <sub>3</sub> . <i>Environmental Progress</i> , 2008, 27, 412-417.	0.8	3
30	Bottom mixed layer oxygen dynamics in the Celtic Sea. <i>Biogeochemistry</i> , 2020, 149, 263-289.	1.7	3
31	From Monodisciplinary via Multidisciplinary to an Interdisciplinary Approach Investigating Air-Sea Interactions – a SOLAS Initiative. <i>Coastal Management</i> , 2020, 48, 238-256.	1.0	2