

Martin T Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,559
citations

471509

17
h-index

434195

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. | 12.9 | 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. | 3.4 | 177 |
| 3 | Mechanisms of microbial carbon sequestration in the ocean – future research directions. <i>Biogeosciences</i> , 2014, 11, 5285-5306. | 3.3 | 177 |
| 4 | The Ocean's Vital Skin: Toward an Integrated Understanding of the Sea Surface Microlayer. <i>Frontiers in Marine Science</i> , 2017, 4, . | 2.5 | 137 |
| 5 | Global oceanic emission of ammonia: Constraints from seawater and atmospheric observations. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1165-1178. | 4.9 | 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, . | 4.9 | 83 |
| 7 | Air-sea fluxes of oxygenated volatile organic compounds across the Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7499-7517. | 4.9 | 70 |
| 8 | Carbon on the Northwest European Shelf: Contemporary Budget and Future Influences. <i>Frontiers in Marine Science</i> , 2020, 7, . | 2.5 | 70 |
| 9 | Transfer Across the Air-Sea Interface. <i>Springer Earth System Sciences</i> , 2014, , 55-112. | 0.2 | 69 |
| 10 | The seasonal cycle of ocean-atmosphere CO ₂ flux in Ryder Bay, west Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2015, 42, 2934-2942. | 4.0 | 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. | 2.3 | 37 |
| 12 | Ammonia/ammonium dissociation coefficient in seawater: A significant numerical correction. <i>Environmental Chemistry</i> , 2007, 4, 183. | 1.5 | 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. | 1.4 | 36 |
| 14 | Coupling between dimethylsulfide emissions and the ocean - atmosphere exchange of ammonia. <i>Environmental Chemistry</i> , 2008, 5, 259. | 1.5 | 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. | 2.1 | 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. | 3.5 | 27 |
| 17 | Aerosol isotopic ammonium signatures over the remote Atlantic Ocean. <i>Atmospheric Environment</i> , 2016, 133, 165-169. | 4.1 | 21 |
| 18 | Long-Term Planetary Habitability and the Carbonate-Silicate Cycle. <i>Astrobiology</i> , 2018, 18, 469-480. | 3.0 | 20 |

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|----|--|-----|-----------|
| 19 | Climate-induced change in biogenic bromine emissions from the Antarctic marine biosphere. <i>Global Biogeochemical Cycles</i> , 2012, 26, . | 4.9 | 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. | 3.5 | 18 |
| 21 | Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. <i>Springer Earth System Sciences</i> , 2014, , 1-54. | 0.2 | 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. | 4.9 | 16 |
| 23 | Surface ocean-lower atmosphere study: Scientific synthesis and contribution to Earth system science. <i>Anthropocene</i> , 2015, 12, 54-68. | 3.3 | 13 |
| 24 | Corrigendum to: Ammonia/ammonium dissociation coefficient in seawater: A significant numerical correction. <i>Environmental Chemistry</i> , 2008, 5, 258. | 1.5 | 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. | 3.3 | 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. | 3.1 | 9 |
| 27 | Uncertainty and sensitivity in optode-based shelf-sea net community production estimates. <i>Biogeosciences</i> , 2016, 13, 943-959. | 3.3 | 8 |
| 28 | A Capacitor-Discharge Mechanism to Explain the Timing of Orogeny-Related Global Glaciations. <i>Geophysical Research Letters</i> , 2019, 46, 8347-8354. | 4.0 | 4 |
| 29 | Why NH ₃ is not a candidate reagent for ambient CO ₂ fixation: A response to "Alternative solution to global warming arising from CO ₂ emissions" Partial neutralization of tropospheric H ₂ CO ₃ with NH ₃ . <i>Environmental Progress</i> , 2008, 27, 412-417. | 0.7 | 3 |
| 30 | Bottom mixed layer oxygen dynamics in the Celtic Sea. <i>Biogeochemistry</i> , 2020, 149, 263-289. | 3.5 | 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. | 2.0 | 2 |