

Ellery D Ingall

List of Publications by Year in descending order

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65
papers

6,888
citations

87888

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110387

64
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72
docs citations

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times ranked

5915
citing authors

#	ARTICLE	IF	CITATIONS
1	Sedimentary Corg:P ratios, paleocean ventilation, and Phanerozoic atmospheric pO ₂ . <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 256, 130-155.	2.3	499
2	Evidence for enhanced phosphorus regeneration from marine sediments overlain by oxygen depleted waters. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2571-2575.	3.9	413
3	Benthic phosphorus regeneration, net primary production, and ocean anoxia: A model of the coupled marine biogeochemical cycles of carbon and phosphorus. <i>Paleoceanography</i> , 1994, 9, 677-692.	3.0	413
4	Total organic carbon, organic phosphorus, and biogenic barium fluxes as proxies for paleomarine productivity. <i>Earth-Science Reviews</i> , 2015, 149, 23-52.	9.1	410
5	Influence of water column anoxia on the burial and preservation of carbon and phosphorus in marine shales. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 303-316.	3.9	404
6	Redox Stabilization of the Atmosphere and Oceans by Phosphorus-Limited Marine Productivity. <i>Science</i> , 1996, 271, 493-496.	12.6	328
7	Marine phosphorus is selectively remineralized. <i>Nature</i> , 1998, 393, 426-426.	27.8	306
8	Composition and cycling of marine organic phosphorus. <i>Limnology and Oceanography</i> , 2001, 46, 309-320.	3.1	298
9	Influence of water-column anoxia on the elemental fractionation of carbon and phosphorus during sediment diagenesis. <i>Marine Geology</i> , 1997, 139, 219-229.	2.1	272
10	Relation between sedimentation rate and burial of organic phosphorus and organic carbon in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 373-386.	3.9	266
11	Marine Polyphosphate: A Key Player in Geologic Phosphorus Sequestration. <i>Science</i> , 2008, 320, 652-655.	12.6	260
12	Influence of water column anoxia and sediment supply on the burial and preservation of organic carbon in marine shales. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1577-1593.	3.9	167
13	Characterization of Water-Soluble Organic Carbon in Urban Atmospheric Aerosols Using Solid-State ¹³ C NMR Spectroscopy. <i>Environmental Science & Technology</i> , 2006, 40, 666-672.	10.0	147
14	Marine Dissolved Organic Phosphorus Composition: Insights from Samples Recovered Using Combined Electrodialysis/Reverse Osmosis. <i>Aquatic Geochemistry</i> , 2010, 16, 563-574.	1.3	130
15	Phosphorus <i>K</i> -edge XANES spectroscopy of mineral standards. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 189-197.	2.4	130
16	Biogeochemical Cycles of Manganese and Iron at the Oxidic-Anoxic Transition of a Stratified Marine Basin (Orca Basin, Gulf of Mexico). <i>Environmental Science & Technology</i> , 1998, 32, 2931-2939.	10.0	122
17	Marine organic phosphorus cycling; novel insights from nuclear magnetic resonance. <i>Numerische Mathematik</i> , 1999, 299, 724-737.	1.4	118
18	Polyphosphates as a source of enhanced P fluxes in marine sediments overlain by anoxic waters: Evidence from ³¹ P NMR. <i>Geochemical Transactions</i> , 2005, 6, 1.	0.7	118

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19	Iron Solubility Related to Particle Sulfur Content in Source Emission and Ambient Fine Particles. <i>Environmental Science & Technology</i> , 2012, 46, 6637-6644.	10.0	113
20	High levels of molecular chlorine in the Arctic atmosphere. <i>Nature Geoscience</i> , 2014, 7, 91-94.	12.9	105
21	Characterization of minerals and organic phosphorus species in marine sediments using soft X-ray fluorescence spectromicroscopy. <i>Marine Chemistry</i> , 2007, 103, 250-265.	2.3	102
22	Chemical and spectroscopic characterization of marine dissolved organic matter isolated using coupled reverse osmosis-electrodialysis. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4215-4231.	3.9	96
23	The nature of organic phosphorus in marine sediments: New insights from ³¹ P NMR. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 2617-2620.	3.9	94
24	Sediment carbon, nitrogen and phosphorus cycling in an anoxic fjord, Effingham Inlet, British Columbia. <i>Numerische Mathematik</i> , 2005, 305, 240-258.	1.4	90
25	Combining reverse osmosis and electrodialysis for more complete recovery of dissolved organic matter from seawater. <i>Separation and Purification Technology</i> , 2007, 56, 383-387.	7.9	88
26	Characterization of iron speciation in urban and rural single particles using XANES spectroscopy and micro X-ray fluorescence measurements: investigating the relationship between speciation and fractional iron solubility. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 745-756.	4.9	80
27	Selenium as paleo-oceanographic proxy: A first assessment. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 302-317.	3.9	80
28	Molar mass, surface tension, and droplet growth kinetics of marine organics from measurements of CCN activity. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	68
29	Influence of Atmospheric Processes on the Solubility and Composition of Iron in Saharan Dust. <i>Environmental Science & Technology</i> , 2016, 50, 6912-6920.	10.0	67
30	Nature and dynamics of phosphorus-containing components of marine dissolved and particulate organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5868-5882.	3.9	66
31	Role of biogenic silica in the removal of iron from the Antarctic seas. <i>Nature Communications</i> , 2013, 4, 1981.	12.8	61
32	Fluorometric Quantification of Natural Inorganic Polyphosphate. <i>Environmental Science & Technology</i> , 2010, 44, 4665-4671.	10.0	52
33	Cycling of dissolved and particulate organic matter at station Aloha: Insights from ¹³ C NMR spectroscopy coupled with elemental, isotopic and molecular analyses. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 1429-1444.	1.4	51
34	Distribution and dynamics of various forms of phosphorus in seawater: insights from field observations in the Pacific Ocean and a laboratory experiment. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1113-1130.	1.4	48
35	The Nature of Phosphorus Burial in Modern Marine Sediments. , 1993, , 365-378.		45
36	Filterable water-soluble organic nitrogen in fine particles over the southeastern USA during summer. <i>Atmospheric Environment</i> , 2011, 45, 6040-6047.	4.1	44

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37	Combining reverse osmosis and pulsed electrical current electrodialysis for improved recovery of dissolved organic matter from seawater. <i>Journal of Membrane Science</i> , 2008, 323, 328-336.	8.2	42
38	Polyphosphate dynamics at Station ALOHA, North Pacific subtropical gyre. <i>Limnology and Oceanography</i> , 2016, 61, 227-239.	3.1	39
39	A model for microbial phosphorus cycling in bioturbated marine sediments: Significance for phosphorus burial in the early Paleozoic. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 251-268.	3.9	38
40	A nitrogen budget for a closed, recirculating mariculture system. <i>Aquacultural Engineering</i> , 2001, 24, 195-211.	3.1	37
41	Taphonomy, paleoecology, and hominids of Lainyamok, Kenya. <i>Journal of Human Evolution</i> , 1988, 17, 597-614.	2.6	34
42	P-NEXFS analysis of aerosol phosphorus delivered to the Mediterranean Sea. <i>Geophysical Research Letters</i> , 2014, 41, 4043-4049.	4.0	33
43	Enhanced Iron Solubility at Low pH in Global Aerosols. <i>Atmosphere</i> , 2018, 9, 201.	2.3	30
44	Concentrations of lipid phosphorus and its abundance in dissolved and particulate organic phosphorus in coastal seawater. <i>Marine Chemistry</i> , 2001, 75, 141-149.	2.3	28
45	Phosphorus burial. <i>Nature Geoscience</i> , 2010, 3, 521-522.	12.9	28
46	Denitrification pathways and rates in the sandy sediments of the Georgia continental shelf, USA. <i>Geochemical Transactions</i> , 2005, 6, 1.	0.7	27
47	Characterization of soluble bromide measurements and a case study of BrO observations during ARCTAS. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1327-1338.	4.9	27
48	Potential role of inorganic polyphosphate in the cycling of phosphorus within the hypoxic water column of Effingham Inlet, British Columbia. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	27
49	Bacterially mediated removal of phosphorus and cycling of nitrate and sulfate in the waste stream of a "zero-discharge" recirculating mariculture system. <i>Water Research</i> , 2014, 56, 109-121.	11.3	27
50	Understanding marine dissolved organic matter production: Compositional insights from axenic cultures of <i>Thalassiosira pseudonana</i> . <i>Limnology and Oceanography</i> , 2016, 61, 2222-2233.	3.1	24
51	Characterization of phosphorus, calcium, iron, and other elements in organisms at sub-micron resolution using X-ray fluorescence spectromicroscopy. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 42-51.	2.0	23
52	Zinc K-edge XANES spectroscopy of mineral and organic standards. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1302-1309.	2.4	23
53	Characterization of Selenium in Ambient Aerosols and Primary Emission Sources. <i>Environmental Science & Technology</i> , 2014, 48, 8988-8994.	10.0	22
54	Self-Assembled Monolayers as Templates for Heme Crystallization. <i>Crystal Growth and Design</i> , 2010, 10, 798-805.	3.0	19

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55	Composition and oxidation state of sulfur in atmospheric particulate matter. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13389-13398.	4.9	16
56	Isolation and molecular characterization of dissolved organic phosphorus using electro dialysis reverse osmosis and solution ³¹ P NMR. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 436-452.	2.0	14
57	Trace Metal Imaging of Sulfate-Reducing Bacteria and Methanogenic Archaea at Single-Cell Resolution by Synchrotron X-Ray Fluorescence Imaging. <i>Geomicrobiology Journal</i> , 2018, 35, 81-89.	2.0	13
58	Relationship between Atmospheric Aerosol Mineral Surface Area and Iron Solubility. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2443-2451.	2.7	13
59	Enhanced Dissolved Organic Matter Recovery from Saltwater Samples with Electrodialysis. <i>Aquatic Geochemistry</i> , 2016, 22, 555-572.	1.3	10
60	Resolving marine dissolved organic phosphorus (<sc>DOP</sc>) composition in a coastal estuary. <i>Limnology and Oceanography</i> , 2020, 65, 2787-2799.	3.1	10
61	Making methane. <i>Nature Geoscience</i> , 2008, 1, 420-420.	12.9	8
62	Polyphosphates as a source of enhanced P fluxes in marine sediments overlain by anoxic waters: Evidence from [³¹ P] NMR. <i>Geochemical Transactions</i> , 2005, 6, 52.	0.7	6
63	An energy and intensity monitor for X-ray absorption near-edge structure measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 619, 154-156.	1.6	5
64	Water soluble reactive phosphate (SRP) in atmospheric particles over East Mediterranean: The importance of dust and biomass burning events. <i>Science of the Total Environment</i> , 2022, 830, 154263.	8.0	4
65	BOOK REVIEW. <i>Biogeochemistry of Marine Dissolved Organic Matter (Second Edition)</i> . <i>Oceanography</i> , 2015, 28, 232-232.	1.0	0