

John M Hayes

List of Publications by Year in descending order

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41
papers

7,864
citations

172457

29
h-index

289244

40
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42
all docs

42
docs citations

42
times ranked

6328
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Carbon Aging During Across-Shelf Transport. <i>Geophysical Research Letters</i> , 2018, 45, 8425-8434.	4.0	43
2	Earth's Redox History. <i>Science</i> , 2011, 334, 1654-1655.	12.6	6
3	Extraordinary ¹³ C enrichment of diether lipids at the Lost City Hydrothermal Field indicates a carbon-limited ecosystem. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 102-118.	3.9	100
4	Evidence for substantial intramolecular heterogeneity in the stable carbon isotopic composition of phytol in photoautotrophic organisms. <i>Organic Geochemistry</i> , 2008, 39, 135-146.	1.8	19
5	Sedimentary sterols as biogeochemical indicators in the Southern Ocean. <i>Organic Geochemistry</i> , 2008, 39, 567-588.	1.8	23
6	Stable carbon-isotopic compositions of lipids isolated from the ammonia-oxidizing chemoautotroph <i>Nitrosomonas europaea</i> . <i>Organic Geochemistry</i> , 2008, 39, 1725-1734.	1.8	30
7	Energy in the dark: Fuel for life in the deep ocean and beyond. <i>Eos</i> , 2006, 87, 73.	0.1	23
8	Citation for presentation of the 2003 Alfred E. Treibs award to Roger Summons. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, S6-S7.	3.9	0
9	GEOCHEMISTRY: Enhanced: The Pathway of Carbon in Nature. <i>Science</i> , 2006, 312, 1605-1606.	12.6	9
10	The carbon cycle and associated redox processes through time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 931-950.	4.0	389
11	A Serpentinite-Hosted Ecosystem: The Lost City Hydrothermal Field. <i>Science</i> , 2005, 307, 1428-1434.	12.6	1,037
12	Moving-Wire Device for Carbon Isotopic Analyses of Nanogram Quantities of Nonvolatile Organic Carbon. <i>Analytical Chemistry</i> , 2005, 77, 6519-6527.	6.5	71
13	Calculation of hydrogen isotopic fractionations in biogeochemical systems. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 593-597.	3.9	85
14	An evaluation of ¹⁴ C age relationships between co-occurring foraminifera, alkenones, and total organic carbon in continental margin sediments. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	101
15	Phylogenetically specific separation of rRNA from prokaryotes for isotopic analysis. <i>Marine Chemistry</i> , 2004, 92, 295-306.	2.3	18
16	Rapid analysis of ¹³ C in plant-wax-alkanes for reconstruction of terrestrial vegetation signals from aquatic sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	18
17	Isotopic exchange of carbon-bound hydrogen over geologic timescales 1 Associate editor: J. Horita. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1545-1559.	3.9	213
18	Isotopic order, biogeochemical processes, and earth history. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1691-1700.	3.9	35

#	ARTICLE	IF	CITATIONS
19	Dynamics of the Neoproterozoic carbon cycle. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8124-8129.	7.1	493
20	Spatial and Temporal Offsets Between Proxy Records in a Sediment Drift. Science, 2002, 298, 1224-1227.	12.6	257
21	Hydrogen isotope fractionation in lipids of the methane-oxidizing bacterium <i>Methylococcus capsulatus</i> . Geochimica Et Cosmochimica Acta, 2002, 66, 3955-3969.	3.9	83
22	Effects of biosynthesis and physiology on relative abundances and isotopic compositions of alkenones. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	9
23	Algal and archaeal polyisoprenoids in a recent marine sediment: Molecular isotopic evidence for anaerobic oxidation of methane. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	77
24	Determination of the H3Factor in Hydrogen Isotope Ratio Monitoring Mass Spectrometry. Analytical Chemistry, 2001, 73, 200-207.	6.5	107
25	Compound-specific D/H ratios of lipid biomarkers from sediments as a proxy for environmental and climatic conditions. Geochimica Et Cosmochimica Acta, 2001, 65, 213-222.	3.9	336
26	3. Fractionation of Carbon and Hydrogen Isotopes in Biosynthetic Processes. , 2001, , 225-278.		150
27	Correction of H3+Contributions in Hydrogen Isotope Ratio Monitoring Mass Spectrometry. Analytical Chemistry, 2001, 73, 192-199.	6.5	99
28	Signature Lipids and Stable Carbon Isotope Analyses of Octopus Spring Hyperthermophilic Communities Compared with Those of Aquificales Representatives. Applied and Environmental Microbiology, 2001, 67, 5179-5189.	3.1	175
29	Mass spectra of sn -2-hydroxyarchaeol, a polar lipid biomarker for anaerobic methanotrophy. Geochemistry, Geophysics, Geosystems, 2000, 1, .	2.5	18
30	Molecular and isotopic analysis of anaerobic methane-oxidizing communities in marine sediments. Organic Geochemistry, 2000, 31, 1685-1701.	1.8	321
31	Mapping of C4 plant input from North West Africa into North East Atlantic sediments. Geochimica Et Cosmochimica Acta, 2000, 64, 3505-3513.	3.9	136
32	Methane-consuming archaeobacteria in marine sediments. Nature, 1999, 398, 802-805.	27.8	1,135
33	Fractionation of hydrogen isotopes in lipid biosynthesis. Organic Geochemistry, 1999, 30, 1193-1200.	1.8	512
34	The abundance of ¹³ C in marine organic matter and isotopic fractionation in the global biogeochemical cycle of carbon during the past 800 Ma. Chemical Geology, 1999, 161, 103-125.	3.3	700
35	Terminal Proterozoic mid-shelf benthic microbial mats in the Centralian Superbasin and their environmental significance. Geochimica Et Cosmochimica Acta, 1999, 63, 1345-1358.	3.9	70
36	Quantitative Production of H ₂ by Pyrolysis of Gas Chromatographic Effluents. Analytical Chemistry, 1998, 70, 5136-5141.	6.5	221

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37	Water-Induced Errors in Continuous-Flow Carbon Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 1998, 70, 2737-2744.	6.5	44
38	Efficiency and Temperature Dependence of Water Removal by Membrane Dryers. <i>Analytical Chemistry</i> , 1997, 69, 911-918.	6.5	82
39	An isotopic biogeochemical study of Neoproterozoic and Early Cambrian sediments from the Centralian Superbasin, Australia. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5391-5409.	3.9	78
40	Carbon isotopic fractionation associated with lipid biosynthesis by a cyanobacterium: Relevance for interpretation of biomarker records. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5379-5389.	3.9	150
41	Consistent fractionation of ^{13}C in nature and in the laboratory: Growth-rate effects in some haptophyte algae. <i>Global Biogeochemical Cycles</i> , 1997, 11, 279-292.	4.9	363