Alon Amrani

List of Publications by Year
in descending order

47 papers	1,924 citations	279798 23 h-index	243625 44 g-index
50 all docs	50 docs citations	50 times ranked	1037 citing authors

#	Article	IF	Citations
1	A new empirical approach for rapid quantification of organic and pyritic sulfur in sedimentary rocks using the Rock-Eval 7S. Organic Geochemistry, 2022, 166, 104350.	1.8	3
2	Geochemical characterization of natural gases in the pre-salt section of the Santos Basin (Brazil) focused on hydrocarbons and volatile organic sulfur compounds. Marine and Petroleum Geology, 2022, 144, 105763.	3.3	5
3	Resilience of primary and export productivity in a eutrophic ecosystem following the Cretaceous-Paleogene mass extinction. Global and Planetary Change, 2021, 196, 103371.	3.5	7
4	The molecular and sulfur isotope distribution of volatile compounds in natural gases and condensates from Alberta, Canada. Organic Geochemistry, 2021, 151, 104129.	1.8	8
5	Carbon and sulfur isotopic composition of alkyl- and benzo-thiophenes provides insights into their origins and formation pathways. Organic Geochemistry, 2021, 151, 104163.	1.8	4
6	Tropospheric carbonyl sulfide mass balance based on direct measurements of sulfur isotopes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
7	Experimental and theoretical study on the formation of volatile sulfur compounds under gas reservoir conditions. Organic Geochemistry, 2021, 152, 104175.	1.8	12
8	Sulfur isotope composition of individual compounds in immature organic-rich rocks and possible geochemical implications. Geochimica Et Cosmochimica Acta, 2020, 274, 20-44.	3.9	12
9	The Origin of Organic Sulphur Compounds and Their Impact on the Paleoenvironmental Record. , 2020, , 355-408.		9
10	Sulfur isotopic composition of gas-phase organic sulfur compounds provides insights into the thermal maturation of organic-rich rocks. Geochimica Et Cosmochimica Acta, 2019, 259, 91-108.	3.9	19
11	Sulfur isotopes ratio of atmospheric carbonyl sulfide constrains its sources. Scientific Reports, 2019, 9, 741.	3.3	11
12	The Origin of Organic Sulphur Compounds and Their Impact on the Paleoenvironmental Record. , 2019, , 1-54.		3
13	Kinetics and mechanism of the abiotic decomposition of dimethyl polysulfides with three, four and five sulfur atoms under dark, oxic conditions. Environmental Chemistry, 2019, 16, 495.	1.5	3
14	The effects of selected minerals on laboratory simulated thermochemical sulfate reduction. Organic Geochemistry, 2018, 122, 41-51.	1.8	16
15	Variability in sulfur isotope composition suggests unique dimethylsulfoniopropionate cycling and microalgae metabolism in Antarctic sea ice. Communications Biology, 2018, 1, 212.	4.4	12
16	Sulfurization as a preservation mechanism for the Î´13C of biomarkers. Organic Geochemistry, 2018, 125, 66-69.	1.8	10
17	Dynamics of pyrite formation and organic matter sulfurization in organic-rich carbonate sediments. Geochimica Et Cosmochimica Acta, 2018, 241, 219-239.	3.9	75
18	Compound-Specific Sulfur Isotope Analysis of Petroleum Gases. Analytical Chemistry, 2017, 89, 3199-3207.	6.5	24

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19	Dimethylated sulfur compounds in symbiotic protists: A potentially significant source for marine DMS(P). Limnology and Oceanography, 2017, 62, 1139-1154.	3.1	14
20	Effects of thermal maturation and thermochemical sulfate reduction on compound-specific sulfur isotopic compositions of organosulfur compounds in Phosphoria oils from the Bighorn Basin, USA. Organic Geochemistry, 2017, 103, 63-78.	1.8	27
21	Sulfur isotope exchange between thiophenes and inorganic sulfur compounds under hydrous pyrolysis conditions. Organic Geochemistry, 2017, 103, 79-87.	1.8	11
22	Study of thermal maturation processes of sulfur-rich source rock using compound specific sulfur isotope analysis. Organic Geochemistry, 2017, 112, 59-74.	1.8	38
23	Sulfur isotopic compositions of individual organosulfur compounds and their genetic links in the Lower Paleozoic petroleum pools of the Tarim Basin, NW China. Geochimica Et Cosmochimica Acta, 2016, 182, 88-108.	3.9	97
24	Study of thermochemical sulfate reduction mechanism using compound specific sulfur isotope analysis. Geochimica Et Cosmochimica Acta, 2016, 188, 73-92.	3.9	64
25	Isotopic evidence for the origin of dimethylsulfide and dimethylsulfoniopropionate-like compounds in a warm, monomictic freshwater lake. Environmental Chemistry, 2016, 13, 340.	1.5	31
26	Compound-specific sulfur isotope analysis of thiadiamondoids of oils from the Smackover Formation, USA. Geochimica Et Cosmochimica Acta, 2015, 167, 144-161.	3.9	47
27	Origin and quantitative source assessment of deep oils in the Tazhong Uplift, Tarim Basin. Organic Geochemistry, 2015, 78, 1-22.	1.8	109
28	Organosulfur Compounds: Molecular and Isotopic Evolution from Biota to Oil and Gas. Annual Review of Earth and Planetary Sciences, 2014, 42, 733-768.	11.0	121
29	The action of elemental sulfur plus water on 1-octene at low temperatures. Organic Geochemistry, 2013, 59, 82-86.	1.8	15
30	Sulfur isotope homogeneity of oceanic DMSP and DMS. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18413-18418.	7.1	92
31	A sensitive method for the sulfur isotope analysis of dimethyl sulfide and dimethylsulfoniopropionate in seawater. Rapid Communications in Mass Spectrometry, 2013, 27, 2789-2796.	1.5	28
32	The sulfur-isotopic compositions of benzothiophenes and dibenzothiophenes as a proxy for thermochemical sulfate reduction. Geochimica Et Cosmochimica Acta, 2012, 84, 152-164.	3.9	87
33	Kinetics of uncatalyzed thermochemical sulfate reduction by sulfur-free paraffin. Geochimica Et Cosmochimica Acta, 2012, 96, 1-17.	3.9	69
34	Compound-Specific Î´³⁴S Analysis of Volatile Organics by Coupled GC/Multicollector-ICPMS. Analytical Chemistry, 2009, 81, 9027-9034.	6.5	105
35	The role of labile sulfur compounds in thermochemical sulfate reduction. Geochimica Et Cosmochimica Acta, 2008, 72, 2960-2972.	3.9	105
36	Experimental investigation on thermochemical sulfate reduction by H2S initiation. Geochimica Et Cosmochimica Acta, 2008, 72, 3518-3530.	3.9	147

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37	Theoretical study on the reactivity of sulfate species with hydrocarbons. Geochimica Et Cosmochimica Acta, 2008, 72, 4565-4576.	3.9	96
38	Sulfur isotope fractionation during incorporation of sulfur nucleophiles into organic compounds. Chemical Communications, 2008, , 1356.	4.1	19
39	Formation of sulfur and nitrogen cross-linked macromolecules under aqueous conditions. Geochimica Et Cosmochimica Acta, 2007, 71, 4141-4160.	3.9	47
40	Sulfur Stable Isotope Distribution of Polysulfide Anions in an (NH4)2SnAqueous Solution. Inorganic Chemistry, 2006, 45, 1427-1429.	4.0	43
41	Experiments on Î´34S mixing between organic and inorganic sulfur species during thermal maturation. Geochimica Et Cosmochimica Acta, 2006, 70, 5146-5161.	3.9	38
42	Stable sulfur isotope partitioning during simulated petroleum formation as determined by hydrous pyrolysis of Ghareb Limestone, Israel. Geochimica Et Cosmochimica Acta, 2005, 69, 5317-5331.	3.9	61
43	The Î´34S values of the early-cleaved sulfur upon low temperature pyrolysis of a synthetic polysulfide cross-linked polymer. Organic Geochemistry, 2005, 36, 971-974.	1.8	9
44	Photosensitized oxidation of naturally occurring isoprenoid allyl alcohols as a possible pathway for their transformation to thiophenes in sulfur rich depositional environments. Organic Geochemistry, 2004, 35, 693-712.	1.8	16
45	Reaction of polysulfide anions with Î±,Î² unsaturated isoprenoid aldehydes in aquatic media: simulation of oceanic conditions. Organic Geochemistry, 2004, 35, 909-921.	1.8	44
46	Mechanisms of sulfur introduction chemically controlled: Î´34S imprint. Organic Geochemistry, 2004, 35, 1319-1336.	1.8	83
47	Significance of Î´34S and evaluation of its imprint on sedimentary sulfur rich organic matter II: Thermal changes of kerogens type II-S catagenetic stage controlled mechanisms. A study and conceptual overview. Geochemical Society Special Publications, 2004, , 35-50.	0.1	12