

Alon Amrani

List of Publications by Year in descending order

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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	Experimental investigation on thermochemical sulfate reduction by H ₂ S initiation. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3518-3530.	3.9	147
2	Organosulfur Compounds: Molecular and Isotopic Evolution from Biota to Oil and Gas. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 733-768.	11.0	121
3	Origin and quantitative source assessment of deep oils in the Tazhong Uplift, Tarim Basin. <i>Organic Geochemistry</i> , 2015, 78, 1-22.	1.8	109
4	The role of labile sulfur compounds in thermochemical sulfate reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2960-2972.	3.9	105
5	Compound-Specific $\delta^{34}\text{S}$ Analysis of Volatile Organics by Coupled GC/Multicollector-ICPMS. <i>Analytical Chemistry</i> , 2009, 81, 9027-9034.	6.5	105
6	Sulfur isotopic compositions of individual organosulfur compounds and their genetic links in the Lower Paleozoic petroleum pools of the Tarim Basin, NW China. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 88-108.	3.9	97
7	Theoretical study on the reactivity of sulfate species with hydrocarbons. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4565-4576.	3.9	96
8	Sulfur isotope homogeneity of oceanic DMSP and DMS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18413-18418.	7.1	92
9	The sulfur-isotopic compositions of benzothiophenes and dibenzothiophenes as a proxy for thermochemical sulfate reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 152-164.	3.9	87
10	Mechanisms of sulfur introduction chemically controlled: $\delta^{34}\text{S}$ imprint. <i>Organic Geochemistry</i> , 2004, 35, 1319-1336.	1.8	83
11	Dynamics of pyrite formation and organic matter sulfurization in organic-rich carbonate sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 241, 219-239.	3.9	75
12	Kinetics of uncatalyzed thermochemical sulfate reduction by sulfur-free paraffin. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 1-17.	3.9	69
13	Study of thermochemical sulfate reduction mechanism using compound specific sulfur isotope analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 73-92.	3.9	64
14	Stable sulfur isotope partitioning during simulated petroleum formation as determined by hydrous pyrolysis of Ghareb Limestone, Israel. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5317-5331.	3.9	61
15	Formation of sulfur and nitrogen cross-linked macromolecules under aqueous conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4141-4160.	3.9	47
16	Compound-specific sulfur isotope analysis of thiadiazonoids of oils from the Smackover Formation, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 167, 144-161.	3.9	47
17	Reaction of polysulfide anions with $\hat{1},\hat{2}$ unsaturated isoprenoid aldehydes in aquatic media: simulation of oceanic conditions. <i>Organic Geochemistry</i> , 2004, 35, 909-921.	1.8	44
18	Sulfur Stable Isotope Distribution of Polysulfide Anions in an (NH ₄) ₂ SnAqueous Solution. <i>Inorganic Chemistry</i> , 2006, 45, 1427-1429.	4.0	43

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19	Experiments on $\delta^{34}\text{S}$ mixing between organic and inorganic sulfur species during thermal maturation. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5146-5161.	3.9	38
20	Study of thermal maturation processes of sulfur-rich source rock using compound specific sulfur isotope analysis. <i>Organic Geochemistry</i> , 2017, 112, 59-74.	1.8	38
21	Isotopic evidence for the origin of dimethylsulfide and dimethylsulfoniopropionate-like compounds in a warm, monomictic freshwater lake. <i>Environmental Chemistry</i> , 2016, 13, 340.	1.5	31
22	A sensitive method for the sulfur isotope analysis of dimethyl sulfide and dimethylsulfoniopropionate in seawater. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2789-2796.	1.5	28
23	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. <i>Organic Geochemistry</i> , 2017, 103, 63-78.	1.8	27
24	Compound-Specific Sulfur Isotope Analysis of Petroleum Gases. <i>Analytical Chemistry</i> , 2017, 89, 3199-3207.	6.5	24
25	Sulfur isotope fractionation during incorporation of sulfur nucleophiles into organic compounds. <i>Chemical Communications</i> , 2008, , 1356.	4.1	19
26	Sulfur isotopic composition of gas-phase organic sulfur compounds provides insights into the thermal maturation of organic-rich rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 91-108.	3.9	19
27	Photosensitized oxidation of naturally occurring isoprenoid allyl alcohols as a possible pathway for their transformation to thiophenes in sulfur rich depositional environments. <i>Organic Geochemistry</i> , 2004, 35, 693-712.	1.8	16
28	The effects of selected minerals on laboratory simulated thermochemical sulfate reduction. <i>Organic Geochemistry</i> , 2018, 122, 41-51.	1.8	16
29	Tropospheric carbonyl sulfide mass balance based on direct measurements of sulfur isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	16
30	The action of elemental sulfur plus water on 1-octene at low temperatures. <i>Organic Geochemistry</i> , 2013, 59, 82-86.	1.8	15
31	Dimethylated sulfur compounds in symbiotic protists: A potentially significant source for marine DMS(P). <i>Limnology and Oceanography</i> , 2017, 62, 1139-1154.	3.1	14
32	Significance of $\delta^{34}\text{S}$ 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. <i>Geochemical Society Special Publications</i> , 2004, , 35-50.	0.1	12
33	Variability in sulfur isotope composition suggests unique dimethylsulfoniopropionate cycling and microalgae metabolism in Antarctic sea ice. <i>Communications Biology</i> , 2018, 1, 212.	4.4	12
34	Sulfur isotope composition of individual compounds in immature organic-rich rocks and possible geochemical implications. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 274, 20-44.	3.9	12
35	Experimental and theoretical study on the formation of volatile sulfur compounds under gas reservoir conditions. <i>Organic Geochemistry</i> , 2021, 152, 104175.	1.8	12
36	Sulfur isotope exchange between thiophenes and inorganic sulfur compounds under hydrous pyrolysis conditions. <i>Organic Geochemistry</i> , 2017, 103, 79-87.	1.8	11

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37	Sulfur isotopes ratio of atmospheric carbonyl sulfide constrains its sources. Scientific Reports, 2019, 9, 741.	3.3	11
38	Sulfurization as a preservation mechanism for the $\delta^{13}\text{C}$ of biomarkers. Organic Geochemistry, 2018, 125, 66-69.	1.8	10
39	The $\delta^{34}\text{S}$ 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
40	The Origin of Organic Sulphur Compounds and Their Impact on the Paleoenvironmental Record. , 2020, , 355-408.		9
41	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
42	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
43	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
44	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
45	The Origin of Organic Sulphur Compounds and Their Impact on the Paleoenvironmental Record. , 2019, , 1-54.		3
46	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
47	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