

Martin Schoell

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

5,153
citations

279798

23
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

3504
citing authors

#	ARTICLE	IF	CITATIONS
1	The hydrogen and carbon isotopic composition of methane from natural gases of various origins. <i>Geochimica Et Cosmochimica Acta</i> , 1980, 44, 649-661.	3.9	1,081
2	Multiple origins of methane in the Earth. <i>Chemical Geology</i> , 1988, 71, 1-10.	3.3	669
3	Fractionation of carbon and hydrogen isotopes by methane-oxidizing bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 1981, 45, 1033-1037.	3.9	586
4	Sensitivity of biomarker properties to depositional environment and/or source input in the Lower Toarcian of SW-Germany. <i>Organic Geochemistry</i> , 1986, 10, 915-926.	1.8	469
5	Solubility trapping in formation water as dominant CO ₂ sink in natural gas fields. <i>Nature</i> , 2009, 458, 614-618.	27.8	405
6	The noble gas geochemistry of natural CO ₂ gas reservoirs from the Colorado Plateau and Rocky Mountain provinces, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1174-1198.	3.9	208
7	Microbial production and modification of gases in sedimentary basins: A geochemical case study from a Devonian shale gas play, Michigan basin. <i>AAPG Bulletin</i> , 2003, 87, 1355-1375.	1.5	178
8	Abiotic methane flux from the Chimaera seep and Tekirova ophiolites (Turkey): Understanding gas exhalation from low temperature serpentinization and implications for Mars. <i>Earth and Planetary Science Letters</i> , 2011, 310, 96-104.	4.4	174
9	Recent advances in petroleum isotope geochemistry. <i>Organic Geochemistry</i> , 1984, 6, 645-663.	1.8	168
10	Microbial generation of economic accumulations of methane within a shallow organic-rich shale. <i>Nature</i> , 1996, 383, 155-158.	27.8	154
11	Noble gas tracing of groundwater/coalbed methane interaction in the San Juan Basin, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5413-5428.	3.9	128
12	300-Myr-old magmatic CO ₂ in natural gas reservoirs of the west Texas Permian basin. <i>Nature</i> , 2001, 409, 327-331.	27.8	117
13	Constraints on the origins of hydrocarbon gas from compositions of gases at their site of origin. <i>Nature</i> , 1995, 378, 368-371.	27.8	104
14	Methane clumped isotopes: Progress and potential for a new isotopic tracer. <i>Organic Geochemistry</i> , 2017, 113, 262-282.	1.8	100
15	Unusual carbon isotope compositions of biomarker hydrocarbons in a Permian tasmanite. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 4205-4211.	3.9	77
16	Stable Isotopes in Petroleum Research. , 1984, , 215-245.		73
17	Low temperature production and exhalation of methane from serpentinized rocks on Earth: A potential analog for methane production on Mars. <i>Icarus</i> , 2013, 224, 276-285.	2.5	68
18	Carbon and hydrogen isotopic compositions of the NBS 22 and NBS 21 stable isotope reference materials: An inter-laboratory comparison. <i>Organic Geochemistry</i> , 1983, 5, 3-6.	1.8	57

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19	A molecular stable carbon isotope study of organic matter in immature Miocene Monterey sediments, Pismo basin. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2065-2082.	3.9	56
20	Identifying and quantifying natural CO ₂ sequestration processes over geological timescales: The Jackson Dome CO ₂ Deposit, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 257-275.	3.9	56
21	Detailed temperature structure of the hot brines in the Atlantis II Deep area (Red Sea). <i>Marine Geology</i> , 1973, 14, 1-14.	2.1	54
22	Extreme methane deuterium, nitrogen and helium enrichment in natural gas from the Homorod seep (Romania). <i>Chemical Geology</i> , 2011, 280, 89-96.	3.3	48
23	Isotope techniques for tracing migration of gases in sedimentary basins. <i>Journal of the Geological Society</i> , 1983, 140, 415-422.	2.1	45
24	Carbon isotope systematics of individual hydrocarbons in hydrothermal petroleum from the Guaymas Basin, Gulf of California. <i>Organic Geochemistry</i> , 1995, 23, 857-863.	1.8	27
25	Suakin deep: Brines and hydrothermal sediments in the deepest part of the Red Sea. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1973, 62, 684-697.	1.3	18
26	A novel sterane, 27-nor-24-methyl-5 α -cholestane, in sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3741-3745.	3.9	17
27	Carbon isotope systematics of individual hydrocarbons in hydrothermal petroleum from Escanaba Trough, northeastern Pacific Ocean. <i>Organic Geochemistry</i> , 1997, 26, 511-515.	1.8	16