

Lei Jiang

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38
papers

775
citations

16
h-index

27
g-index

38
ext. papers

978
ext. citations

3.9
avg, IF

4.15
L-index

#	Paper	IF	Citations
38	Origins of Palaeozoic oils in the Tarim Basin: Evidence from sulfur isotopes and biomarkers. <i>Chemical Geology</i> , 2009 , 268, 197-210	4.2	124
37	Application of sulfur and carbon isotopes to oil source rock correlation: A case study from the Tazhong area, Tarim Basin, China. <i>Organic Geochemistry</i> , 2015 , 83-84, 140-152	3.1	67
36	Multiphase dolomitization of deeply buried Cambrian petroleum reservoirs, Tarim Basin, north-west China. <i>Sedimentology</i> , 2016 , 63, 2130-2157	3.3	54
35	TSR origin of sulfur in Permian and Triassic reservoir bitumen, East Sichuan Basin, China. <i>Organic Geochemistry</i> , 2010 , 41, 871-878	3.1	48
34	Generation of isotopically and compositionally distinct water during thermochemical sulfate reduction (TSR) in carbonate reservoirs: Triassic Feixianguan Formation, Sichuan Basin, China. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 165, 249-262	5.5	44
33	Petrological and geochemical constraints on porosity difference between Lower Triassic sour- and sweet-gas carbonate reservoirs in the Sichuan Basin. <i>Marine and Petroleum Geology</i> , 2014 , 56, 34-50	4.7	42
32	Thermochemical sulfate reduction and fluid evolution of the Lower Triassic Feixianguan Formation sour gas reservoirs, northeast Sichuan Basin, China. <i>AAPG Bulletin</i> , 2014 , 98, 947-973	2.5	42
31	Diagenesis of an evaporite-related carbonate reservoir in deeply buried Cambrian strata, Tarim Basin, northwest China. <i>AAPG Bulletin</i> , 2018 , 102, 77-102	2.5	29
30	Thermochemical sulphate reduction can improve carbonate petroleum reservoir quality. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 223, 127-140	5.5	27
29	Petrological and geochemical constraints on diagenesis and deep burial dissolution of the Ordovician carbonate reservoirs in the Tazhong area, Tarim Basin, NW China. <i>Marine and Petroleum Geology</i> , 2016 , 78, 271-290	4.7	26
28	Contrasting diagenetic evolution patterns of platform margin limestones and dolostones in the Lower Triassic Feixianguan Formation, Sichuan Basin, China. <i>Marine and Petroleum Geology</i> , 2018 , 92, 332-351	4.7	26
27	Rare earth element and yttrium (REY) geochemistry in carbonate reservoirs during deep burial diagenesis: Implications for REY mobility during thermochemical sulfate reduction. <i>Chemical Geology</i> , 2015 , 415, 87-101	4.2	24
26	Sr evolution in the Upper Permian and Lower Triassic carbonates, northeast Sichuan basin, China: Constraints from chemistry, isotope and fluid inclusions. <i>Applied Geochemistry</i> , 2012 , 27, 2409-2424	3.5	23
25	Lipids of sulfate-reducing bacteria and sulfur-oxidizing bacteria found in the Dongsheng uranium deposit. <i>Science Bulletin</i> , 2012 , 57, 1311-1319		22
24	Origins and fates of H ₂ S in the Cambrian and Ordovician in Tazhong area: Evidence from sulfur isotopes, fluid inclusions and production data. <i>Marine and Petroleum Geology</i> , 2015 , 67, 408-418	4.7	21
23	Authigenic origin for a massive negative carbon isotope excursion. <i>Geology</i> , 2019 , 47, 115-118	5	17
22	The Ordovician-Silurian tectonic evolution of the northeastern margin of the Tarim block, NW China: Constraints from detrital zircon geochronological records. <i>Journal of Asian Earth Sciences</i> , 2016 , 122, 1-19	2.8	14

21	Dolomitization history and porosity evolution of a giant, deeply buried Ediacaran gas field (Sichuan Basin, China). <i>Precambrian Research</i> , 2020 , 338, 105595	3.9	13
20	Formation, diagenesis and palaeoenvironmental significance of upper Ediacaran fibrous dolomite cements. <i>Sedimentology</i> , 2020 , 67, 1161-1187	3.3	12
19	Origin of high H ₂ S concentrations in the Upper Permian Changxing reservoirs of the Northeast Sichuan Basin, China. <i>Marine and Petroleum Geology</i> , 2014 , 57, 233-243	4.7	11
18	Hydrogeomorphologic architecture of epikarst reservoirs in the Middle-Lower Ordovician, Tazhong Uplift, Tarim Basin, China. <i>Marine and Petroleum Geology</i> , 2018 , 98, 146-161	4.7	8
17	LA-ICP-MS U-Pb geochronology and clumped isotope constraints on the formation and evolution of an ancient dolomite reservoir: The Middle Permian of northwest Sichuan Basin (SW China). <i>Sedimentary Geology</i> , 2020 , 407, 105728	2.8	8
16	Anaerobic oxidation of methane by Mn oxides in sulfate-poor environments. <i>Geology</i> ,	5	8
15	Multistage dolomitization and formation of ultra-deep Lower Cambrian Longwangmiao Formation reservoir in central Sichuan Basin, China. <i>Marine and Petroleum Geology</i> , 2021 , 123, 104752	4.7	8
14	Seismic sedimentologic study of facies and reservoir in middle Triassic Karamay Formation of the Mahu Sag, Junggar Basin, China. <i>Marine and Petroleum Geology</i> , 2019 , 107, 222-236	4.7	7
13	Lithology mapping of a mixed siliciclastic-carbonate-evaporite system using 3D seismic and well data: Lower Triassic Jialingjiang Formation, Sichuan Basin, southwestern China. <i>Marine and Petroleum Geology</i> , 2018 , 93, 422-436	4.7	7
12	Multiphase dolomitization of a microbialite-dominated gas reservoir, the middle Triassic Leikoupo Formation, Sichuan Basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 180, 820-834	4.4	6
11	The early Paleozoic sedimentary tectonic evolution of the circum-Mangar areas, Tarim block, NW China: Constraints from integrated detrital records. <i>Tectonophysics</i> , 2016 , 682, 17-34	3.1	6
10	Diagenetic conditions and geodynamic setting of the middle Permian hydrothermal dolomites from southwest Sichuan Basin, SW China: Insights from in situ U-Pb carbonate geochronology and isotope geochemistry. <i>Marine and Petroleum Geology</i> , 2021 , 129, 105080	4.7	6
9	Diagenesis and its impact on a microbially derived carbonate reservoir from the Middle Triassic Leikoupo Formation, Sichuan Basin, China. <i>AAPG Bulletin</i> , 2018 , 102, 2599-2628	2.5	6
8	The role of thermochemical sulfate reduction in the genesis of high-quality deep marine reservoirs within the central Tarim Basin, western China. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 4443-4456	1.8	5
7	Characterization of carbonate microfacies and reservoir pore types based on Formation Microimager logging: A case study from the Ordovician in the Tahe Oilfield, Tarim Basin, China. <i>Interpretation</i> , 2018 , 6, T71-T82	1.4	4
6	The Ocean redox state evolution and its controls during the Cambrian Series 1: Evidence from Lijiatuo Section, South China. <i>Journal of Earth Science (Wuhan, China)</i> , 2016 , 27, 255-270	2.2	3
5	Distinguishing microbial from thermochemical sulfate reduction from the upper Ediacaran in South China. <i>Chemical Geology</i> , 2021 , 583, 120482	4.2	3
4	Lipid Evidence for Oil Depletion by Sulfate-Reducing Bacteria during U Mineralization in the Dongsheng Deposit. <i>Journal of Earth Science (Wuhan, China)</i> , 2018 , 29, 556-563	2.2	2

- 3 Sulfur Cycling During Progressive Burial in Sulfate-Rich Marine Carbonates. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2020GC009383 3.6 2
- 2 Kerogen-specific isotope variations during the end-Permian mass extinction in South China. *Earth-Science Reviews*, **2022**, 226, 103912 10.2
- 1 Pulses of atmosphere oxygenation during the Cambrian radiation of animals. *Earth and Planetary Science Letters*, **2022**, 590, 117565 5.3