Lei Jiang

List of Publications by Year
in descending order

38 papers	1,179 citations	361045 20 h-index	377514 34 g-index
38 all docs	38 docs citations	38 times ranked	649 citing authors

#	Article	IF	Citations
1	Origins of Palaeozoic oils in the Tarim Basin: Evidence from sulfur isotopes and biomarkers. Chemical Geology, 2009, 268, 197-210.	1.4	147
2	Application of sulfur and carbon isotopes to oilâ€“source rock correlation: A case study from the Tazhong area, Tarim Basin, China. Organic Geochemistry, 2015, 83-84, 140-152.	0.9	92
3	Multiphase dolomitization of deeply buried Cambrian petroleum reservoirs, Tarim Basin, northâ€west China. Sedimentology, 2016, 63, 2130-2157.	1.6	90
4	TSR origin of sulfur in Permian and Triassic reservoir bitumen, East Sichuan Basin, China. Organic Geochemistry, 2010, 41, 871-878.	0.9	59
5	Petrological and geochemical constraints on porosity difference between Lower Triassic sour- and sweet-gas carbonate reservoirs inÂthe Sichuan Basin. Marine and Petroleum Geology, 2014, 56, 34-50.	1.5	59
6	Generation of isotopically and compositionally distinct water during thermochemical sulfate reduction (TSR) in carbonate reservoirs: Triassic Feixianguan Formation, Sichuan Basin, China. Geochimica Et Cosmochimica Acta, 2015, 165, 249-262.	1.6	55
7	Diagenesis of an evaporite-related carbonate reservoir in deeply buried Cambrian strata, Tarim Basin, northwest China. AAPG Bulletin, 2018, 102, 77-102.	0.7	53
8	Thermochemical sulfate reduction and fluid evolution of the Lower Triassic Feixianguan Formation sour gas reservoirs, northeast Sichuan Basin, China. AAPG Bulletin, 2014, 98, 947-973.	0.7	48
9	Thermochemical sulphate reduction can improve carbonate petroleum reservoir quality. Geochimica Et Cosmochimica Acta, 2018, 223, 127-140.	1.6	41
10	Petrological and geochemical constraints on diagenesis and deep burial dissolution of the Ordovician carbonate reservoirs in the Tazhong area, Tarim Basin, NW China. Marine and Petroleum Geology, 2016, 78, 271-290.	1.5	38
11	Contrasting diagenetic evolution patterns of platform margin limestones and dolostones in the Lower Triassic Feixianguan Formation, Sichuan Basin, China. Marine and Petroleum Geology, 2018, 92, 332-351.	1.5	37
12	Formation, diagenesis and palaeoenvironmental significance of upper Ediacaran fibrous dolomite cements. Sedimentology, 2020, 67, 1161-1187.	1.6	35
13	Rare earth element and yttrium (REY) geochemistry in carbonate reservoirs during deep burial diagenesis: Implications for REY mobility during thermochemical sulfate reduction. Chemical Geology, 2015, 415, 87-101.	1.4	34
14	Origins and fates of H2S in the Cambrian and Ordovician in Tazhong area: Evidence from sulfur isotopes, fluid inclusions and production data. Marine and Petroleum Geology, 2015, 67, 408-418.	1.5	33
15	Multistage dolomitization and formation of ultra-deep Lower Cambrian Longwangmiao Formation reservoir in central Sichuan Basin, China. Marine and Petroleum Geology, 2021, 123, 104752.	1.5	31
16	Dolomitization history and porosity evolution of a giant, deeply buried Ediacaran gas field (Sichuan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	30
17	Sr evolution in the Upper Permian and Lower Triassic carbonates, northeast Sichuan basin, China: Constraints from chemistry, isotope and fluid inclusions. Applied Geochemistry, 2012, 27, 2409-2424.	1.4	29
18	Lipids of sulfate-reducing bacteria and sulfur-oxidizing bacteria found in the Dongsheng uranium deposit. Science Bulletin, 2012, 57, 1311-1319.	1.7	28

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19	Authigenic origin for a massive negative carbon isotope excursion. Geology, 2019, 47, 115-118.	2.0	25
20	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). Sedimentary Geology, 2020, 407, 105728.	1.0	22
21	The Ordovicianâ€“Silurian tectonic evolution of the northeastern margin of the Tarim block, NW China: Constraints from detrital zircon geochronological records. Journal of Asian Earth Sciences, 2016, 122, 1-19.	1.0	21
22	Anaerobic oxidation of methane by Mn oxides in sulfate-poor environments. Geology, 2021, 49, 761-766.	2.0	19
23	Diagenetic conditions and geodynamic setting of the middle Permian hydrothermal dolomites from southwest Sichuan Basin, SW China: Insights from in situ Uâ€“Pb carbonate geochronology and isotope geochemistry. Marine and Petroleum Geology, 2021, 129, 105080.	1.5	19
24	Distinguishing microbial from thermochemical sulfate reduction from the upper Ediacaran in South China. Chemical Geology, 2021, 583, 120482.	1.4	15
25	Hydrogeomorphologic architecture of epikarst reservoirs in the Middle-Lower Ordovician, Tazhong Uplift, Tarim Basin, China. Marine and Petroleum Geology, 2018, 98, 146-161.	1.5	14
26	Seismic sedimentologic study of facies and reservoir in middle Triassic Karamay Formation of the Mahu Sag, Junggar Basin, China. Marine and Petroleum Geology, 2019, 107, 222-236.	1.5	14
27	Multiphase dolomitization of a microbialite-dominated gas reservoir, the middle Triassic Leikoupo Formation, Sichuan Basin, China. Journal of Petroleum Science and Engineering, 2019, 180, 820-834.	2.1	13
28	Origin of high H2S concentrations in the Upper Permian Changxing reservoirs of the Northeast Sichuan Basin, China. Marine and Petroleum Geology, 2014, 57, 233-243.	1.5	12
29	The early Paleozoic sedimentaryâ€“tectonic evolution of the circum-Mangar areas, Tarim block, NW China: Constraints from integrated detrital records. Tectonophysics, 2016, 682, 17-34.	0.9	11
30	Diagenesis and its impact on a microbially derived carbonate reservoir from the Middle Triassic Leikoupo Formation, Sichuan Basin, China. AAPG Bulletin, 2018, 102, 2599-2628.	0.7	10
31	Lithology mapping of a mixed siliciclasticâ^'carbonateâ^'evaporite system using 3D seismic and well data: Lower Triassic Jialingjiang Formation, Sichuan Basin, southwestern China. Marine and Petroleum Geology, 2018, 93, 422-436.	1.5	9
32	The role of thermochemical sulfate reduction in the genesis of high-quality deep marine reservoirs within the central Tarim Basin, western China. Arabian Journal of Geosciences, 2015, 8, 4443-4456.	0.6	8
33	The Ocean redox state evolution and its controls during the Cambrian Series 1â€“2: Evidence from Lijiatuo Section, South China. Journal of Earth Science (Wuhan, China), 2016, 27, 255-270.	1.1	8
34	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. Interpretation, 2018, 6, T71-T82.	0.5	8
35	Sulfur Cycling During Progressive Burial in Sulfateâ€Rich Marine Carbonates. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009383.	1.0	4
36	Pulses of atmosphere oxygenation during the Cambrian radiation of animals. Earth and Planetary Science Letters, 2022, 590, 117565.	1.8	4

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37	Lipid Evidence for Oil Depletion by Sulfate-Reducing Bacteria during U Mineralization in the Dongsheng Deposit. Journal of Earth Science (Wuhan, China), 2018, 29, 556-563.	1.1	3
38	Kerogen-specific isotope variations during the end-Permian mass extinction in South China. Earth-Science Reviews, 2022, 226, 103912.	4.0	1