Lei Jiang

List of Publications by Year in Descending Order

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	Kerogen-specific isotope variations during the end-Permian mass extinction in South China. *Earth-Science Reviews*, **2022**, 226, 103912	10.2	
37	Pulses of atmosphere oxygenation during the Cambrian radiation of animals. *Earth and Planetary Science Letters*, **2022**, 590, 117565	5.3	
36	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. *Marine and Petroleum Geology*, **2021**, 129, 105080	4.7	6
35	Multistage dolomitization and formation of ultra-deep Lower Cambrian Longwangmiao Formation reservoir in central Sichuan Basin, China. *Marine and Petroleum Geology*, **2021**, 123, 104752	4.7	8
34	Distinguishing microbial from thermochemical sulfate reduction from the upper Ediacaran in South China. *Chemical Geology*, **2021**, 583, 120482	4.2	3
33	Formation, diagenesis and palaeoenvironmental significance of upper Ediacaran fibrous dolomite cements. *Sedimentology*, **2020**, 67, 1161-1187	3.3	12
32	Dolomitization history and porosity evolution of a giant, deeply buried Ediacaran gas field (Sichuan Basin, China). *Precambrian Research*, **2020**, 338, 105595	3.9	13
31	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	2.8	8
30	Sulfur Cycling During Progressive Burial in Sulfate-Rich Marine Carbonates. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2020GC009383	3.6	2
29	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	4.4	6
28	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	4.7	7
27	Authigenic origin for a massive negative carbon isotope excursion. *Geology*, **2019**, 47, 115-118	5	17
26	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	2.2	2
25	Lithology mapping of a mixed siliciclastic–carbonate–evaporite system using 3D seismic and well data: Lower Triassic Jialingjiang Formation, Sichuan Basin, southwestern China. *Marine and Petroleum Geology*, **2018**, 93, 422-436	4.7	7
24	Hydrogeomorphologic architecture of epikarst reservoirs in the Middle-Lower Ordovician, Tazhong Uplift, Tarim Basin, China. *Marine and Petroleum Geology*, **2018**, 98, 146-161	4.7	8
23	Thermochemical sulphate reduction can improve carbonate petroleum reservoir quality. *Geochimica Et Cosmochimica Acta*, **2018**, 223, 127-140	5.5	27
22	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	1.4	4

21	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	4.7	26
20	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	2.5	6
19	Diagenesis of an evaporite-related carbonate reservoir in deeply buried Cambrian strata, Tarim Basin, northwest China. *AAPG Bulletin*, **2018**, 102, 77-102	2.5	29
18	The Ordovician–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	2.8	14
17	The early Paleozoic sedimentary–tectonic evolution of the circum-Mangar areas, Tarim block, NW China: Constraints from integrated detrital records. *Tectonophysics*, **2016**, 682, 17-34	3.1	6
16	Multiphase dolomitization of deeply buried Cambrian petroleum reservoirs, Tarim Basin, north-west China. *Sedimentology*, **2016**, 63, 2130-2157	3.3	54
15	The Ocean redox state evolution and its controls during the Cambrian Series 1–2: Evidence from Lijiatuo Section, South China. *Journal of Earth Science (Wuhan, China)*, **2016**, 27, 255-270	2.2	3
14	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	4.7	26
13	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	1.8	5
12	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	4.7	21
11	Application of sulfur and carbon isotopes to oil–source rock correlation: A case study from the Tazhong area, Tarim Basin, China. *Organic Geochemistry*, **2015**, 83-84, 140-152	3.1	67
10	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	4.2	24
9	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	5.5	44
8	Petrological and geochemical constraints on porosity difference between Lower Triassic sour- and sweet-gas carbonate reservoirs in the Sichuan Basin. *Marine and Petroleum Geology*, **2014**, 56, 34-50	4.7	42
7	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	4.7	11
6	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	2.5	42
5	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	3.5	23
4	Lipids of sulfate-reducing bacteria and sulfur-oxidizing bacteria found in the Dongsheng uranium deposit. *Science Bulletin*, **2012**, 57, 1311-1319		22

3	TSR origin of sulfur in Permian and Triassic reservoir bitumen, East Sichuan Basin, China. *Organic Geochemistry*, **2010**, 41, 871-878	3.1	48
2	Origins of Palaeozoic oils in the Tarim Basin: Evidence from sulfur isotopes and biomarkers. *Chemical Geology*, **2009**, 268, 197-210	4.2	124
1	Anaerobic oxidation of methane by Mn oxides in sulfate-poor environments. *Geology*,	5	8