

Zaixing Jiang

List of Publications by Year in descending order

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87
papers

2,013
citations

279798

23
h-index

276875

41
g-index

87
all docs

87
docs citations

87
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Shale lithofacies and reservoir space of the Wufeng-Longmaxi Formation, Sichuan Basin, China. <i>Petroleum Exploration and Development</i> , 2012, 39, 736-743.	7.0	149
2	The shale characteristics and shale gas exploration prospects of the Lower Silurian Longmaxi shale, Sichuan Basin, South China. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 636-648.	4.4	137
3	The lithofacies and reservoir characteristics of the Upper Ordovician and Lower Silurian black shale in the Southern Sichuan Basin and its periphery, China. <i>Marine and Petroleum Geology</i> , 2016, 75, 181-191.	3.3	113
4	Diagenetic variation at the lamina scale in lacustrine organic-rich shales: Implications for hydrocarbon migration and accumulation. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 229, 112-128.	3.9	93
5	Deep-water depositional mechanisms and significance for unconventional hydrocarbon exploration: A case study from the lower Silurian Longmaxi shale in the southeastern Sichuan Basin. <i>AAPG Bulletin</i> , 2016, 100, 773-794.	1.5	84
6	Shale oil potential of lacustrine black shale in the Eocene Dongying depression: Implications for geochemistry and reservoir characteristics. <i>AAPG Bulletin</i> , 2017, 101, 1835-1858.	1.5	84
7	Sedimentary characteristics and origin of lacustrine organic-rich shales in the salinized Eocene Dongying Depression. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 154-174.	3.3	78
8	Sedimentary characteristics of large-scale lacustrine beachbars and their formation in the Eocene Boxing Sag of Bohai Bay Basin, East China. <i>Sedimentology</i> , 2011, 58, 1087-1112.	3.1	76
9	Source-controlled carbonates in a small Eocene half-graben lake basin (Shulu Sag) in central Hebei Province, North China. <i>Sedimentology</i> , 2007, 54, 265-292.	3.1	67
10	Sedimentary environmental controls on petrology and organic matter accumulation in the upper fourth member of the Shahejie Formation (Paleogene, Dongying depression, Bohai Bay Basin, China). <i>International Journal of Coal Geology</i> , 2018, 186, 1-13.	5.0	64
11	Factors controlling reservoir properties and hydrocarbon accumulation of lacustrine deep-water turbidites in the Huimin Depression, Bohai Bay Basin, East China. <i>Marine and Petroleum Geology</i> , 2014, 57, 327-344.	3.3	52
12	Oil generation induces sparry calcite formation in lacustrine mudrock, Eocene of east China. <i>Marine and Petroleum Geology</i> , 2016, 71, 344-359.	3.3	52
13	Organic geochemistry and reservoir characterization of the organic matter-rich calcilutite in the Shulu Sag, Bohai Bay Basin, North China. <i>Marine and Petroleum Geology</i> , 2014, 51, 239-255.	3.3	48
14	Sedimentary characteristics and paleoenvironment of shale in the Wufeng-Longmaxi Formation, North Guizhou Province, and its shale gas potential. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1020-1031.	3.2	48
15	Source analysis of quartz from the Upper Ordovician and Lower Silurian black shale and its effects on shale gas reservoir in the southern Sichuan Basin and its periphery, China. <i>Geological Journal</i> , 2019, 54, 438-449.	1.3	43
16	Lacustrine massive mudrock in the Eocene Jiyang Depression, Bohai Bay Basin, China: Nature, origin and significance. <i>Marine and Petroleum Geology</i> , 2016, 77, 1042-1055.	3.3	37
17	Sedimentary hydrodynamic study of sand bodies in the upper subsection of the 4th Member of the Paleogene Shahejie Formation the eastern Dongying Depression, China. <i>Petroleum Science</i> , 2014, 11, 189-199.	4.9	33
18	Paleoenvironment of Lower Silurian Black Shale and its Significance to the Potential of Shale Gas, Southeast of Chongqing, China. <i>Energy Exploration and Exploitation</i> , 2011, 29, 597-616.	2.3	31

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19	Gravels in the Daxing conglomerate and their effect on reservoirs in the Oligocene Langgu Depression of the Bohai Bay Basin, North China. <i>Marine and Petroleum Geology</i> , 2012, 29, 192-203.	3.3	30
20	Core evidence of paleoseismic events in Paleogene deposits of the Shulu Sag in the Bohai Bay Basin, east China, and their petroleum geologic significance. <i>Sedimentary Geology</i> , 2015, 328, 33-54.	2.1	29
21	Ichnology and sedimentology of the trace fossil-bearing fluvial red beds from the lowermost member of the Paleocene Funing Formation in the Jinhu Depression, Subei Basin, East China. <i>Marine and Petroleum Geology</i> , 2019, 99, 393-415.	3.3	28
22	Subsurface lacustrine storm-seiche depositional model in the Eocene Lijin Sag of the Bohai Bay Basin, East China. <i>Sedimentary Geology</i> , 2015, 328, 55-72.	2.1	27
23	Organic geochemical characteristics and organic matter enrichment of mudstones in an Eocene saline lake, Qianjiang Depression, Hubei Province, China. <i>Marine and Petroleum Geology</i> , 2020, 114, 104194.	3.3	27
24	Sedimentary characterization of the Upper Paleozoic coal-bearing tight sand strata, Daniudi Gas Field, Ordos Basin, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 823-834.	3.2	25
25	A double-cycle lake basin formed in extensional to transtensional setting: The Paleogene Nanpu Sag, Bohai Bay Basin, China. <i>Sedimentary Geology</i> , 2017, 349, 15-32.	2.1	24
26	Genesis and implications of the composition and sedimentary structure of fine-grained carbonate rocks in the Shulu sag. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1047-1063.	3.2	21
27	Bioturbation influence on reservoir rock quality: A case study of Well Bian-5 from the second member Paleocene Funing Formation in the Jinhu sag, Subei basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2019, 172, 1165-1173.	4.2	20
28	Multi-source genesis of continental carbonate-rich fine-grained sedimentary rocks and hydrocarbon sweet spots. <i>Petroleum Exploration and Development</i> , 2021, 48, 30-42.	7.0	19
29	Heterogeneity of organic-rich lacustrine marlstone succession and their controls to petroleum expulsion, retention, and migration: A case study in the Shulu Sag, Bohai Bay Basin, China. <i>Marine and Petroleum Geology</i> , 2018, 96, 166-178.	3.3	18
30	Organic matter enrichment and hydrocarbon accumulation models of the marlstone in the Shulu Sag, Bohai Bay Basin, Northern China. <i>International Journal of Coal Geology</i> , 2020, 217, 103350.	5.0	18
31	Soft-sediment deformation structures as indicators of tectono-volcanic activity during evolution of a lacustrine basin: A case study from the Upper Triassic Ordos Basin, China. <i>Marine and Petroleum Geology</i> , 2020, 115, 104250.	3.3	18
32	Variability of tidal signals in the Brent Delta Front: New observations on the Rannoch Formation, northern North Sea. <i>Sedimentary Geology</i> , 2016, 335, 166-179.	2.1	17
33	The natural-gas hydrate exploration prospects of the Nayixiong Formation in the Kaixinling-Wuli Permafrost, Qinghai-Tibet Plateau. <i>Marine and Petroleum Geology</i> , 2016, 72, 179-192.	3.3	16
34	Classification of hydrocarbon-bearing fine-grained sedimentary rocks. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 693-976.	3.2	16
35	Geomorphology, lithofacies and sedimentary environment of lacustrine carbonates in the Eocene Dongying Depression, Bohai Bay Basin, China. <i>Marine and Petroleum Geology</i> , 2020, 113, 104125.	3.3	16
36	Sedimentary Characteristics and Hydrocarbon Accumulation of Glutenite in the Fourth Member of Eocene Shahejie Formation in Shengtuo Area of Bohai Bay Basin, East China. <i>Energy Exploration and Exploitation</i> , 2010, 28, 223-237.	2.3	15

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37	Sequence stratigraphy and sedimentary facies in the lower member of the Permian Shanxi formation, northeastern Ordos Basin, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2013, 24, 75-88.	3.2	15
38	Flume tank study of surface morphology and stratigraphy of a fan delta. <i>Terra Nova</i> , 2015, 27, 42-53.	2.1	15
39	A pretreatment method for grain size analysis of red mudstones. <i>Sedimentary Geology</i> , 2011, 241, 13-21.	2.1	14
40	The tight oil of lacustrine carbonate-rich rocks in the Eocene Shulu Sag: Implications for lithofacies and reservoir characteristics. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 547-559.	4.2	14
41	Deep-lacustrine sediment gravity flow channel-lobe complexes on a stepped slope: An example from the Chengbei Low Uplift, Bohai Bay Basin, East China. <i>Marine and Petroleum Geology</i> , 2021, 124, 104839.	3.3	14
42	A type of continuous petroleum accumulation system in the Shulu sag, Bohai Bay basin, eastern China. <i>AAPG Bulletin</i> , 2017, 101, 1791-1811.	1.5	13
43	A quantitative sedimentary model for the modern lacustrine beach bar (Qinghai Lake, Northwest) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	1.6	13
44	Shale reservoir characterization and control factors on gas accumulation of the Lower Cambrian Niutitang shale, Sichuan Basin, South China. <i>Geological Journal</i> , 2019, 54, 1604-1616.	1.3	13
45	A method to define the palaeowind strength from lacustrine parameters. <i>Sedimentology</i> , 2018, 65, 461-491.	3.1	12
46	Development of large-scale sand bodies in a fault-bounded lake basin: Pleistocene-Holocene Poyang Lake, Southern China. <i>Journal of Paleolimnology</i> , 2021, 65, 407-428.	1.6	12
47	Transformation of accommodation space of the Cretaceous Qingshankou Formation, the Songliao Basin, NE China. <i>Basin Research</i> , 2005, 17, 569-582.	2.7	11
48	Quantitative evaluation of the reservoir potential and controlling factors of semi-deep lacustrine tempestites in the Eocene Lijin Sag of the Bohai Bay Basin, East China. <i>Marine and Petroleum Geology</i> , 2016, 77, 262-279.	3.3	11
49	Fine-grained carbonate formation and organic matter enrichment in an Eocene saline rift lake (Qianjiang Depression): Constraints from depositional environment and material source. <i>Marine and Petroleum Geology</i> , 2022, 138, 105534.	3.3	11
50	Sedimentary Systems and Their Influences on Gas Distribution in the Second Member and Third Member of the Permian Xiashihezi Formation in the Daniudi Gas Field, Ordos Basin, China. <i>Energy Exploration and Exploitation</i> , 2011, 29, 59-75.	2.3	10
51	Small- and large- scale soft-sediment deformations in a Triassic lacustrine delta caused by overloading and seismicity in the Ordos Basin, central China. <i>Marine and Petroleum Geology</i> , 2019, 103, 126-149.	3.3	10
52	Reservoir Characteristics and its Main Controlling Factors of the Siegenian Formation of Devonian in X Block, Algeria. <i>Energy Exploration and Exploitation</i> , 2012, 30, 727-751.	2.3	9
53	An improved method of laser particle size analysis and its applications in identification of lacustrine tempestite and beach bar: An example from the Dongying depression. <i>Journal of Earth Science (Wuhan,)</i> <i>Tj ETQq1 1 0.784314 rgBT /Ov</i>	3.2	9
54	Controlling factors and accumulation model of hydrocarbon reservoirs in the Upper Cretaceous Yogou Formation, Koulele Area, Termit Basin, Niger. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1126-1134.	3.2	9

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55	A quantitative model of paleowind reconstruction using subsurface lacustrine longshore bar deposits – An attempt. <i>Sedimentary Geology</i> , 2018, 371, 1-15.	2.1	9
56	Paleocene storm-related event beds in the Gaoyou Sag of the Subei Basin, eastern China: A new interpretation for these deep lacustrine sandstones. <i>Marine and Petroleum Geology</i> , 2021, 124, 104850.	3.3	9
57	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.	1.3	8
58	Flume tank simulation on depositional mechanism and controlling factors of beach-bar reservoirs. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1153-1162.	3.2	8
59	Hemipelagic deposition of the Silurian Kepingtage formation in Tarim basin and its sedimentologic significance. <i>Journal of Earth Science (Wuhan, China)</i> , 2009, 20, 921-931.	3.2	7
60	Division and characteristics of shale parasequences in the upper fourth member of the Shahejie Formation, Dongying Depression, Bohai Bay Basin, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1006-1019.	3.2	7
61	Sedimentary characteristics, genetic types and control factors of deep-water sandstones in the western Lijin Sag, China. <i>Marine and Petroleum Geology</i> , 2020, 113, 104130.	3.3	7
62	The origins of carbonate minerals of a source-controlled lacustrine carbonate succession in the Shulu sag, Bohai Bay Basin: Implications for porosity development and paleoenvironment. <i>Marine and Petroleum Geology</i> , 2020, 122, 104673.	3.3	7
63	Lithofacies and reservoir characterization of a source-controlled carbonate succession in a lacustrine rift basin, the Shulu Sag of Bohai Bay Basin, East China. <i>Journal of Petroleum Science and Engineering</i> , 2020, 192, 107180.	4.2	7
64	Outcrop Characterization of an Early Miocene Slope Fan System, Chelif Basin, Algeria. <i>Energy Exploration and Exploitation</i> , 2011, 29, 633-646.	2.3	5
65	Formation mechanisms of rudstones and their effects on reservoir quality in the Shulu sag, Bohai Bay Basin, Eastern China. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1097-1108.	3.2	5
66	Wave and storm signals in a lacustrine succession and their relationship to paleowind direction (Tanan Depression, Mongolia, early Cretaceous). <i>Sedimentary Geology</i> , 2021, 419, 105911.	2.1	5
67	Discovery of lacustrine shale deposits in the Yanshan Orogenic Belt, China: Implications for hydrocarbon exploration. <i>Geoscience Frontiers</i> , 2021, 12, 101256.	8.4	5
68	Geochemical characteristics of the lower cretaceous Xiguayuan Formation mudrocks in the Luanping Basin, northern China: Implications for the hydrocarbon generation potential and sedimentary environments. <i>Marine and Petroleum Geology</i> , 2021, 133, 105256.	3.3	5
69	Soft-sediment deformation structures in a lacustrine depositional context: An example from the Eocene Dongying Depression in the Bohai Bay Basin, East China. <i>Sedimentary Geology</i> , 2021, 426, 106039.	2.1	5
70	Criteria for differentiating microbial-caddisfly bioherms from those of marine polychaetes in a lacustrine setting: Paleocene second member, Funing Formation, Subei Basin, East China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 560, 109974.	2.3	4
71	Alkaline diagenesis and its genetic mechanism in the Triassic coal measure strata in the Western Sichuan Foreland Basin, China. <i>Petroleum Science</i> , 2009, 6, 354-365.	4.9	3
72	A methodology for estimating the organic porosity of the source rocks at the mature stage: example from the marlstone in the Shulu Sag, Bohai Bay Basin. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	3

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73	Sedimentary characteristics and depositional models of two types of homogenites in an Eocene continental lake basin, Shulu Sag, eastern China. <i>Journal of Asian Earth Sciences</i> , 2019, 179, 165-188.	2.3	3
74	Phytoplankton as main organism in the Eocene organic-rich turbidites of Jiyang Depression, China: Implication for organic matter accumulation mechanism. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 7835-7845.	2.3	3
75	Reservoir characteristics and controlling factors of Silurian Lower Kepingtage Formation in Tahe area, Tarim Basin, NW China. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 1135-1144.	3.2	2
76	Static connectivity of fluvial reservoirs and their temporal evolution: An example from densely drilled subsurface data in the Sanzhao Sag, Songliao Basin. <i>Marine and Petroleum Geology</i> , 2021, 134, 105327.	3.3	2
77	Hydrocarbon accumulation characteristics in the inter-salt shale oil reservoir in the Eocene Qianjiang Depression, Hubei Province, China. <i>Journal of Petroleum Science and Engineering</i> , 2022, 211, 110117.	4.2	2
78	A Source-to-Sink Study of the Paleogene Shulu Sag: Characteristics and Depositional Dynamics of Its Deposits. <i>Springer Geology</i> , 2018, , 281-328.	0.3	1
79	Elements and Research Methods of Sedimentary Dynamics of Windfield-Source-Basin System. <i>Springer Geology</i> , 2018, , 29-77.	0.3	1
80	Borehole image electrofacies with a comparative carbonate petrography analysis: An outcrop well study associated with reservoir application in the Ordovician Tarim Basin. <i>Interpretation</i> , 2018, 6, T723-T737.	1.1	1
81	The Upper Permian volcanic-sedimentary succession in northern Qamdo Block, central Qinghai-Tibet Plateau and its sedimentary, paleogeographic and tectonic significance. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	1
82	Depositional Systems and Windfield-Source-Basin System Dynamics of the West Sag, Liaohe Depression, Bohai Bay Basin. <i>Springer Geology</i> , 2018, , 207-244.	0.3	0
83	Paleogene Sedimentary System and Sedimentary Dynamics of Windfield-Source-Basin System in the Dongying Sag. <i>Springer Geology</i> , 2018, , 121-205.	0.3	0
84	Research progress and prospects of deep water episodically deposited mudstones. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-12.	2.3	0
85	The influence of diagenetic heterogeneity on tight-reservoir properties in the Upper Triassic Yanchang Formation, Southeastern Ordos Basin, China. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-17.	2.3	0
86	Late Triassic tectono-volcanic activity and resulting soft-sediment deformation structures in the Yanchang Formation (Ordos Basin, China). , 2022, , 371-393.		0
87	Comparison of biomarkers in retained oil and expelled oil of lacustrine marlstone determined by hydrous pyrolysis: Application to hydrocarbon migration determination in the tight oil reservoir. <i>Geological Journal</i> , 2022, 57, 1552-1571.	1.3	0