Zhi Yang

List of Publications by Year
in descending order

59	4,806	159525	123376
papers	citations	30 h-index	61 g-index

61	61	61	1777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation mechanism, geological characteristics and development strategy of nonmarine shale oil in China. Petroleum Exploration and Development, 2013, 40, 15-27.	3.0	387
2	Shale gas in China: Characteristics, challenges and prospects (I). Petroleum Exploration and Development, 2015, 42, 753-767.	3.0	384
3	Shale gas in China: Characteristics, challenges and prospects (II). Petroleum Exploration and Development, 2016, 43, 182-196.	3.0	349
4	Organic-matter-rich shales of China. Earth-Science Reviews, 2019, 189, 51-78.	4.0	340
5	Formation, distribution, resource potential, and discovery of Sinianâ€“Cambrian giant gas field, Sichuan Basin, SW China. Petroleum Exploration and Development, 2014, 41, 306-325.	3.0	310
6	Concepts, characteristics, potential and technology of unconventional hydrocarbons: On unconventional petroleum geology. Petroleum Exploration and Development, 2013, 40, 413-428.	3.0	267
7	Types and resource potential of continental shale oil in China and its boundary with tight oil. Petroleum Exploration and Development, 2020, 47, 1-11.	3.0	229
8	Formation, distribution, potential and prediction of global conventional and unconventional hydrocarbon resources. Petroleum Exploration and Development, 2015, 42, 14-28.	3.0	224
9	Theory, technology and prospects of conventional and unconventional natural gas. Petroleum Exploration and Development, 2018, 45, 604-618.	3.0	197
10	Nano-hydrocarbon and the accumulation in coexisting source and reservoir. Petroleum Exploration and Development, 2012, 39, 15-32.	3.0	159
11	Conventional and unconventional petroleum â€œorderly accumulationâ€• Concept and practical significance. Petroleum Exploration and Development, 2014, 41, 14-30.	3.0	154
12	The characteristics and significance of conventional and unconventional Sinianâ€“Silurian gas systems in the Sichuan Basin, central China. Marine and Petroleum Geology, 2015, 64, 386-402.	1.5	142
13	Development potential and technical strategy of continental shale oil in China. Petroleum Exploration and Development, 2020, 47, 877-887.	3.0	141
14	â€œExploring petroleum inside source kitchenâ€• Connotation and prospects of source rock oil and gas. Petroleum Exploration and Development, 2019, 46, 181-193.	3.0	99
15	Exploration and development of continental tight oil in China. Petroleum Exploration and Development, 2018, 45, 790-802.	3.0	98
16	Resource types, formation, distribution and prospects of coal-measure gas. Petroleum Exploration and Development, 2019, 46, 451-462.	3.0	81
17	Geological characteristics, main challenges and future prospect of shale gas. Journal of Natural Gas Geoscience, 2017, 2, 273-288.	0.6	78
18	Significant progress of continental petroleum geological theory in basins of Central and Western China. Petroleum Exploration and Development, 2018, 45, 573-588.	3.0	70

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19	An experimental study of organic matter, minerals and porosity evolution in shales within high-temperature and high-pressure constraints. Marine and Petroleum Geology, 2019, 102, 377-390.	1.5	57
20	â€œExploring petroleum inside source kitchenâ€• Shale oil and gas in Sichuan Basin. Science China Earth Sciences, 2020, 63, 934-953.	2.3	57
21	Concept, technology and practice of â€œman-made reservoirsâ€•development. Petroleum Exploration and Development, 2017, 44, 146-158.	3.0	54
22	Distribution and characteristics of lacustrine tight oil reservoirs in China. Journal of Asian Earth Sciences, 2019, 178, 20-36.	1.0	51
23	Oil retention and intrasource migration in the organic-rich lacustrine Chang 7 shale of the Upper Triassic Yanchang Formation, Ordos Basin, central China. AAPG Bulletin, 2019, 103, 2627-2663.	0.7	51
24	Geological theory and exploration & development practice of hydrocarbon accumulation inside continental source kitchens. Petroleum Exploration and Development, 2020, 47, 1147-1159.	3.0	48
25	Natural gas in China: Development trend and strategic forecast. Natural Gas Industry B, 2018, 5, 380-390.	1.4	47
26	Methods for shale gas play assessment: A comparison between Silurian Longmaxi shale and Mississippian Barnett shale. Journal of Earth Science (Wuhan, China), 2015, 26, 285-294.	1.1	43
27	Petroleum secondary migration and accumulation in the central Junggar Basin, northwest China: Insights from basin modeling. AAPG Bulletin, 2010, 94, 937-955.	0.7	38
28	Formation and â€œsweet areaâ€•evaluation of liquid-rich hydrocarbons in shale strata. Petroleum Exploration and Development, 2015, 42, 609-620.	3.0	37
29	Geologic significance and optimization technique of sweet spots in unconventional shale systems. Journal of Asian Earth Sciences, 2019, 178, 3-19.	1.0	37
30	Formation of low permeability reservoirs and gas accumulation process in the Daniudi Gas Field, Northeast Ordos Basin, China. Marine and Petroleum Geology, 2016, 70, 222-236.	1.5	32
31	Geological characteristics and â€œsweet areaâ€•evaluation for tight oil. Petroleum Science, 2015, 12, 606-617.	2.4	31
32	Characteristics and Origin of Tight Oil Accumulations in the Upper Triassic Yanchang Formation of the Ordos Basin, Northâ€€Central China. Acta Geologica Sinica, 2016, 90, 1821-1837.	0.8	31
33	Upper Permian Junggar and Upper Triassic Ordos lacustrine source rocks in Northwest and Central China: Organic geochemistry, petroleum potential and predicted organofacies. International Journal of Coal Geology, 2016, 158, 90-106.	1.9	31
34	Key issues and development direction of petroleum geology research of source rock strata in China. Advances in Geo-Energy Research, 2021, 5, 121-126.	3.1	31
35	Development of petroleum geology in China: Discussion on continuous petroleum accumulation. Journal of Earth Science (Wuhan, China), 2013, 24, 796-803.	1.1	28
36	Characteristics and distribution of continental tight oil in China. Journal of Asian Earth Sciences, 2019, 178, 37-51.	1.0	28

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37	Unconventional shale systems: A comparative study of the â€œin-source sweet spotâ€•developed in the lacustrine Chang 7 Shale and the marine Barnett Shale. Marine and Petroleum Geology, 2019, 100, 540-550.	1.5	28
38	Division of fine-grained rocks and selection of â€œsweet sectionsâ€•in the oldest continental shale in China: Taking the coexisting combination of tight and shale oil in the Permian Junggar Basin. Marine and Petroleum Geology, 2019, 109, 339-348.	1.5	27
39	Formation mechanism of carbonate cemented zones adjacent to the top overpressured surface in the central Junggar Basin, NW China. Science China Earth Sciences, 2010, 53, 529-540.	2.3	26
40	Statistical analysis as a tool for assisting geochemical interpretation of the Upper Triassic Yanchang Formation, Ordos Basin, Central China. International Journal of Coal Geology, 2017, 173, 51-64.	1.9	24
41	Geochemical characteristics of the source rocks in Mesozoic Yanchang formation, central Ordos Basin. Journal of Earth Science (Wuhan, China), 2013, 24, 804-814.	1.1	23
42	Characterization of fracture formation in organic-rich shales - An experimental and real time study of the Permian Lucaogou Formation, Junggar Basin, northwestern China. Marine and Petroleum Geology, 2019, 107, 397-406.	1.5	22
43	Key geological factors controlling the estimated ultimate recovery of shale oil and gas: A case study of the Eagle Ford shale, Gulf Coast Basin, USA. Petroleum Exploration and Development, 2021, 48, 762-774.	3.0	19
44	Geochemistry characteristics and significance of two petroleum systems near top overpressured surface in central Junggar Basin, NW China. Marine and Petroleum Geology, 2016, 75, 341-355.	1.5	18
45	Evidence of the Nearâ€Source Accumulation of the Tight Sandstone Gas in Northern Ordos Basin, Northâ€Central China. Acta Geologica Sinica, 2017, 91, 1820-1835.	0.8	17
46	Characteristics of nano-sized pore-throat in unconventional tight reservoir rocks and its scientific value. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2015, 32, 257.	0.1	16
47	Fluid Mobility Evaluation of Tight Sandstones in Chang 7 Member of Yanchang Formation, Ordos Basin. Journal of Earth Science (Wuhan, China), 2021, 32, 850-862.	1.1	15
48	Resource potential and core area prediction of lacustrine tight oil: The Triassic Yanchang Formation in Ordos Basin, China. AAPG Bulletin, 2019, 103, 1493-1523.	0.7	14
49	éžå„è§„æ²²©å±‚ç³»æ²¹æ°”å½¢æˆå†ä¸Žå‰©æ™™å±•æœ›. Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences, 2022, 47, 1517.	0.1	13
50	Classification evaluation criteria and exploration potential of tight oil resources in key basins of China. Journal of Natural Gas Geoscience, 2019, 4, 309-319.	0.6	12
51	A new possible giant hydrocarbon generated formation: The Upper Triassic source rock in Southwestern Junggar Basin, NW China. Marine and Petroleum Geology, 2017, 88, 575-586.	1.5	11
52	Quantitative assessment of the sweet spot in marine shale oil and gas based on geology, engineering, and economics: A case study from the Eagle Ford Shale, USA. Energy Strategy Reviews, 2021, 38, 100713.	3.3	10
53	Evaluation method for resource potential of shale oil in the Triassic Yanchang Formation of the Ordos Basin, China. Energy Exploration and Exploitation, 2020, 38, 841-866.	1.1	9
54	Sediment gravity-flow deposits in Late Cretaceous Songliao postrift downwarped lacustrine basin, northeastern China. Marine and Petroleum Geology, 2021, 134, 105378.	1.5	9

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55	Advances on enrichment law and key technologies of exploration and development of continental tight oil in China (2016â€“2018). Journal of Natural Gas Geoscience, 2019, 4, 297-307.	0.6	7
56	Three-dimensional imaging of fracture propagation in tight sandstones of the Upper Triassic Chang 7 member, Ordos Basin, Northern China. Marine and Petroleum Geology, 2020, 120, 104501.	1.5	6
57	Formation process of upper paleozoic continuous tight sandstone gas reservoir in the Sulige gas field. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2016, 33, 221.	0.1	5
58	Sequence stratigraphy in postâ€rift riverâ€dominated lacustrine delta deposits: A case study from the Upper Cretaceous Qingshankou Formation, northern Songliao Basin, northeastern China. Geological Journal, 2021, 56, 316-336.	0.6	3
59	Selection of pilot areas for testing in-situ conversion/upgrading processing in lacustrine shale: a case study of Yanchang-7 member in Ordos Basin. Rehabilitation Medicine, 2017, 34, 221.	0.1	2