

Caineng Zou

List of Publications by Year in descending order

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74
papers

7,898
citations

71061

41
h-index

82499

72
g-index

74
all docs

74
docs citations

74
times ranked

3089
citing authors

#	ARTICLE	IF	CITATIONS
1	A nutrient control on expanded anoxia and global cooling during the Late Ordovician mass extinction. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	17
2	Earth energy evolution, human development and carbon neutral strategy. <i>Petroleum Exploration and Development</i> , 2022, 49, 468-488.	3.0	46
3	éžă, èš,, æªâ² ©â±, ç³»æ²¹æº”â½¢æ~â^tâ,fă,žâ%œ™~â±•æœ». <i>Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of Geosciences</i> , 2022, 47, 1517.	0.1	13
4	The role of new energy in carbon neutral. <i>Petroleum Exploration and Development</i> , 2021, 48, 480-491.	3.0	307
5	Major biological events and fossil energy formation: On the development of energy science under the earth system framework. <i>Petroleum Exploration and Development</i> , 2021, 48, 581-594.	3.0	17
6	Connotation, innovation and vision of âœcarbon neutralityâœ. <i>Natural Gas Industry B</i> , 2021, 8, 523-537.	1.4	67
7	Environmental changes in the Middle Triassic lacustrine basin (Ordos, North China): Implication for biotic recovery of freshwater ecosystem following the Permian-Triassic mass extinction. <i>Global and Planetary Change</i> , 2021, 204, 103559.	1.6	13
8	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. <i>Energy Strategy Reviews</i> , 2021, 38, 100713.	3.3	10
9	Controlling factors on the formation and distribution of âœsweet-spot areasâœ of marine gas shales in South China and a preliminary discussion on unconventional petroleum sedimentology. <i>Journal of Asian Earth Sciences</i> , 2020, 194, 103989.	1.0	80
10	âœExploring petroleum inside source kitchenâœ. Shale oil and gas in Sichuan Basin. <i>Science China Earth Sciences</i> , 2020, 63, 934-953.	2.3	57
11	Discussion on the characteristics and controlling factors of differential enrichment of shale gas in the Wufeng-Longmaxi formations in south China. <i>Journal of Natural Gas Geoscience</i> , 2020, 5, 117-128.	0.6	25
12	Influence of Pore Water on the Gas Storage of Organic-Rich Shale. <i>Energy & Fuels</i> , 2020, 34, 5293-5306.	2.5	19
13	An integrated assessment system for shale gas resources associated with graptolites and its application. <i>Applied Energy</i> , 2020, 262, 114524.	5.1	15
14	Hydrochemistry of flowback water from Changning shale gas field and associated shallow groundwater in Southern Sichuan Basin, China: Implications for the possible impact of shale gas development on groundwater quality. <i>Science of the Total Environment</i> , 2020, 713, 136591.	3.9	28
15	Geologic significance and optimization technique of sweet spots in unconventional shale systems. <i>Journal of Asian Earth Sciences</i> , 2019, 178, 3-19.	1.0	37
16	Characteristics and distribution of continental tight oil in China. <i>Journal of Asian Earth Sciences</i> , 2019, 178, 37-51.	1.0	28
17	Underground coal gasification and its strategic significance to the development of natural gas industry in China. <i>Petroleum Exploration and Development</i> , 2019, 46, 205-215.	3.0	49
18	Resource types, formation, distribution and prospects of coal-measure gas. <i>Petroleum Exploration and Development</i> , 2019, 46, 451-462.	3.0	81

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19	Development characteristics and orientation of tight oil and gas in China. <i>Petroleum Exploration and Development</i> , 2019, 46, 1073-1087.	3.0	164
20	Organic-matter-rich shales of China. <i>Earth-Science Reviews</i> , 2019, 189, 51-78.	4.0	340
21	Amorphous silica and its effects on shale reservoir: A case study about Yanchang formation lacustrine shale, Ordos Basin. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 975-989.	1.2	5
22	The water footprint of hydraulic fracturing in Sichuan Basin, China. <i>Science of the Total Environment</i> , 2018, 630, 349-356.	3.9	61
23	Euxinia caused the Late Ordovician extinction: Evidence from pyrite morphology and pyritic sulfur isotopic composition in the Yangtze area, South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 511, 1-11.	1.0	39
24	Ocean euxinia and climate change "double whammy" drove the Late Ordovician mass extinction. <i>Geology</i> , 2018, 46, 535-538.	2.0	148
25	Theory, technology and prospects of conventional and unconventional natural gas. <i>Petroleum Exploration and Development</i> , 2018, 45, 604-618.	3.0	197
26	Origin of Flowback and Produced Waters from Sichuan Basin, China. <i>Environmental Science & Technology</i> , 2018, 52, 14519-14527.	4.6	46
27	Geological and Geochemical Characteristics and Exploration Prospect of Coal-Derived Tight Sandstone Gas in China: Case Study of the Ordos, Sichuan, and Tarim Basins. <i>Acta Geologica Sinica</i> , 2018, 92, 1609-1626.	0.8	32
28	Discussion on the contribution of graptolite to organic enrichment and gas shale reservoir: A case study of the Wufeng-Longmaxi shales in South China. <i>Journal of Natural Gas Geoscience</i> , 2018, 3, 147-156.	0.6	10
29	Concept, technology and practice of "man-made reservoirs" development. <i>Petroleum Exploration and Development</i> , 2017, 44, 146-158.	3.0	54
30	Geological characteristics, main challenges and future prospect of shale gas. <i>Journal of Natural Gas Geoscience</i> , 2017, 2, 273-288.	0.6	78
31	Characteristics and Origin of Tight Oil Accumulations in the Upper Triassic Yanchang Formation of the Ordos Basin, North-Central China. <i>Acta Geologica Sinica</i> , 2016, 90, 1821-1837.	0.8	31
32	Suggestions on the development strategy of shale gas in China. <i>Journal of Natural Gas Geoscience</i> , 2016, 1, 413-423.	0.6	44
33	Shale gas in China: Characteristics, challenges and prospects (II). <i>Petroleum Exploration and Development</i> , 2016, 43, 182-196.	3.0	349
34	Water Availability for Shale Gas Development in Sichuan Basin, China. <i>Environmental Science & Technology</i> , 2016, 50, 2837-2845.	4.6	56
35	Breakthrough and prospect of shale gas exploration and development in China. <i>Natural Gas Industry B</i> , 2016, 3, 12-26.	1.4	115
36	Shale gas enrichment pattern and exploration significance of Well WuXi-2 in northeast Chongqing, NE Sichuan Basin. <i>Petroleum Exploration and Development</i> , 2016, 43, 386-394.	3.0	48

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37	Evaluation criteria, major types, characteristics and resource prospects of tight oil in China. <i>Petroleum Research</i> , 2016, 1, 1-9.	1.6	20
38	Geochemical characteristics of marine and terrestrial shale gas in China. <i>Marine and Petroleum Geology</i> , 2016, 76, 444-463.	1.5	154
39	Lithofacies and organic geochemistry of the Middle Permian Lucaogou Formation in the Jimusar Sag of the Junggar Basin, NW China. <i>Journal of Petroleum Science and Engineering</i> , 2016, 140, 97-107.	2.1	83
40	Organic Carbon and Stable C-O Isotopic Study of the Lower Silurian Longmaxi Formation Black Shales in Sichuan Basin, SW China: Paleoenvironmental and Shale Gas Implications. <i>Energy Exploration and Exploitation</i> , 2015, 33, 439-457.	1.1	10
41	Do Shale Pore Throats Have a Threshold Diameter for Oil Storage?. <i>Scientific Reports</i> , 2015, 5, 13619.	1.6	36
42	Geochemical and Reservoir Characteristics of the Upper Triassic Continental Shale in the Sichuan Basin, China. <i>Energy Exploration and Exploitation</i> , 2015, 33, 375-395.	1.1	9
43	Applications of Micro-Fourier Transform Infrared Spectroscopy (FTIR) in the Geological Sciences—A Review. <i>International Journal of Molecular Sciences</i> , 2015, 16, 30223-30250.	1.8	258
44	Shale gas in China: Characteristics, challenges and prospects (I). <i>Petroleum Exploration and Development</i> , 2015, 42, 753-767.	3.0	384
45	Formation, distribution, potential and prediction of global conventional and unconventional hydrocarbon resources. <i>Petroleum Exploration and Development</i> , 2015, 42, 14-28.	3.0	224
46	The characteristics and significance of conventional and unconventional Sinian—Silurian gas systems in the Sichuan Basin, central China. <i>Marine and Petroleum Geology</i> , 2015, 64, 386-402.	1.5	142
47	Methods for shale gas play assessment: A comparison between Silurian Longmaxi shale and Mississippian Barnett shale. <i>Journal of Earth Science (Wuhan, China)</i> , 2015, 26, 285-294.	1.1	43
48	Geological Conditions and Prospect Forecast of Shale Gas Formation in Qiangtang Basin, Qinghai—Tibet Plateau. <i>Acta Geologica Sinica</i> , 2014, 88, 598-619.	0.8	8
49	Structure of weathered clastic crust and its petroleum potential. <i>Science China Earth Sciences</i> , 2014, 57, 3015-3026.	2.3	12
50	Conventional and unconventional petroleum “orderly accumulation” Concept and practical significance. <i>Petroleum Exploration and Development</i> , 2014, 41, 14-30.	3.0	154
51	A static resistance model and the discontinuous pattern of hydrocarbon accumulation in tight oil reservoirs. <i>Petroleum Science</i> , 2014, 11, 469-480.	2.4	7
52	Formation, distribution, resource potential, and discovery of Sinian—Cambrian giant gas field, Sichuan Basin, SW China. <i>Petroleum Exploration and Development</i> , 2014, 41, 306-325.	3.0	310
53	Prospect of Ultra-Deep Petroleum Onshore China. <i>Energy Exploration and Exploitation</i> , 2014, 32, 19-40.	1.1	18
54	Geochemistry of the Sinian—Cambrian gas system in the Sichuan Basin, China. <i>Organic Geochemistry</i> , 2014, 74, 13-21.	0.9	98

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55	Geochemistry of the extremely high thermal maturity Longmaxi shale gas, southern Sichuan Basin. <i>Organic Geochemistry</i> , 2014, 74, 3-12.	0.9	377
56	Development of petroleum geology in China: Discussion on continuous petroleum accumulation. <i>Journal of Earth Science (Wuhan, China)</i> , 2013, 24, 796-803.	1.1	28
57	Concepts, characteristics, potential and technology of unconventional hydrocarbons: On unconventional petroleum geology. <i>Petroleum Exploration and Development</i> , 2013, 40, 413-428.	3.0	267
58	Formation, distribution and potential of deep hydrocarbon resources in China. <i>Petroleum Exploration and Development</i> , 2013, 40, 687-695.	3.0	148
59	Formation mechanism, geological characteristics and development strategy of nonmarine shale oil in China. <i>Petroleum Exploration and Development</i> , 2013, 40, 15-27.	3.0	387
60	Shale Gas. , 2013, , 149-190.		14
61	Unconventional Continuous Petroleum Accumulation. , 2013, , 27-60.		1
62	Tight gas sandstone reservoirs in China: characteristics and recognition criteria. <i>Journal of Petroleum Science and Engineering</i> , 2012, 88-89, 82-91.	2.1	365
63	Nano-hydrocarbon and the accumulation in coexisting source and reservoir. <i>Petroleum Exploration and Development</i> , 2012, 39, 15-32.	3.0	159
64	Shale gas generation and potential of the Lower Cambrian Qiongzhusi Formation in the Southern Sichuan Basin, China. <i>Petroleum Exploration and Development</i> , 2012, 39, 75-81.	3.0	142
65	Deep-lacustrine transformation of sandy debrites into turbidites, Upper Triassic, Central China. <i>Sedimentary Geology</i> , 2012, 265-266, 143-155.	1.0	150
66	Hydrocarbon accumulation mechanism and structure of large-scale volcanic weathering crust of the Carboniferous in northern Xinjiang, China. <i>Science China Earth Sciences</i> , 2012, 55, 221-235.	2.3	29
67	Geological exploration theory for large oil and gas provinces and its significance. <i>Petroleum Exploration and Development</i> , 2011, 38, 513-522.	3.0	36
68	Geological characteristics and resource potential of shale gas in China. <i>Petroleum Exploration and Development</i> , 2010, 37, 641-653.	3.0	899
69	Geologic characteristics, controlling factors and hydrocarbon accumulation mechanisms of China's Large Gas Provinces of low porosity and permeability. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1068-1090.	0.9	25
70	Stable carbon isotopes of alkane gases from the Xujiahe coal measures and implication for gas-source correlation in the Sichuan Basin, SW China. <i>Organic Geochemistry</i> , 2009, 40, 638-646.	0.9	99
71	Geological characteristics of large gas provinces and large gas fields in China. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 14-35.	0.9	9
72	Geology of giant gas fields in China. <i>Marine and Petroleum Geology</i> , 2008, 25, 320-334.	1.5	53

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73	Reservoir-forming age and its exploration significance to stratigraphic reservoirs in southern Songliao Basin. Science Bulletin, 2007, 52, 3239-3252.	1.7	10
74	Major factors controlling the formation of middle and large marine carbonate stratigraphic fields. Science Bulletin, 2007, 52, 44-53.	1.7	4