Caineng Zou

List of Publications by Year
in descending order

74	7,898	71102	82547
papers	citations	41 h-index	72 g-index

74	74	74	3089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A nutrient control on expanded anoxia and global cooling during the Late Ordovician mass extinction. Communications Earth & Environment, 2022, 3, .	6.8	17
2	Earth energy evolution, human development and carbon neutral strategy. Petroleum Exploration and Development, 2022, 49, 468-488.	7.0	46
3	éžå„è§„æºå² ©å±‚ç³»æ²¹æº"å½¢æˆåˆ†ä¸Žå‰æ™¯å±•æœ›. Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences, 2022, 47, 1517.	0.5	13
4	The role of new energy in carbon neutral. Petroleum Exploration and Development, 2021, 48, 480-491.	7.0	307
5	Major biological events and fossil energy formation: On the development of energy science under the earth system framework. Petroleum Exploration and Development, 2021, 48, 581-594.	7.0	17
6	Connotation, innovation and vision of â€œcarbon neutralityâ€• Natural Gas Industry B, 2021, 8, 523-537.	3.4	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. Global and Planetary Change, 2021, 204, 103559.	3.5	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. Energy Strategy Reviews, 2021, 38, 100713.	7.3	10
9	Controlling factors on the formation and distribution of â€œsweet-spot areasâ€•of marine gas shales in South China and a preliminary discussion on unconventional petroleum sedimentology. Journal of Asian Earth Sciences, 2020, 194, 103989.	2.3	80
10	â€œExploring petroleum inside source kitchenâ€• Shale oil and gas in Sichuan Basin. Science China Earth Sciences, 2020, 63, 934-953.	5.2	57
11	Discussion on the characteristics and controlling factors of differential enrichment of shale gas in the Wufeng-Longmaxi formations in south China. Journal of Natural Gas Geoscience, 2020, 5, 117-128.	1.2	25
12	Influence of Pore Water on the Gas Storage of Organic-Rich Shale. Energy & Fuels, 2020, 34, 5293-5306.	5.1	19
13	An integrated assessment system for shale gas resources associated with graptolites and its application. Applied Energy, 2020, 262, 114524.	10.1	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. Science of the Total Environment, 2020, 713, 136591.	8.0	28
15	Geologic significance and optimization technique of sweet spots in unconventional shale systems. Journal of Asian Earth Sciences, 2019, 178, 3-19.	2.3	37
16	Characteristics and distribution of continental tight oil in China. Journal of Asian Earth Sciences, 2019, 178, 37-51.	2.3	28
17	Underground coal gasification and its strategic significance to the development of natural gas industry in China. Petroleum Exploration and Development, 2019, 46, 205-215.	7.0	49
18	Resource types, formation, distribution and prospects of coal-measure gas. Petroleum Exploration and Development, 2019, 46, 451-462.	7.0	81

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19	Development characteristics and orientation of tight oil and gas in China. Petroleum Exploration and Development, 2019, 46, 1073-1087.	7.0	164
20	Organic-matter-rich shales of China. Earth-Science Reviews, 2019, 189, 51-78.	9.1	340
21	Amorphous silica and its effects on shale reservoir: A case study about Yanchang formation lacustrine shale, Ordos Basin. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 975-989.	2.3	5
22	The water footprint of hydraulic fracturing in Sichuan Basin, China. Science of the Total Environment, 2018, 630, 349-356.	8.0	61
23	Euxinia caused the Late Ordovician extinction: Evidence from pyrite morphology and pyritic sulfur isotopic composition in the Yangtze area, South China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 511, 1-11.	2.3	39
24	Ocean euxinia and climate change â€œdouble whammyâ€•drove the Late Ordovician mass extinction. Geology, 2018, 46, 535-538.	4.4	148
25	Theory, technology and prospects of conventional and unconventional natural gas. Petroleum Exploration and Development, 2018, 45, 604-618.	7.0	197
26	Origin of Flowback and Produced Waters from Sichuan Basin, China. Environmental Science & Technology, 2018, 52, 14519-14527.	10.0	46
27	Geological and Geochemical Characteristics and Exploration Prospect of Coalâ€Derived Tight Sandstone Gas in China: Case Study of the Ordos, Sichuan, and Tarim Basins. Acta Geologica Sinica, 2018, 92, 1609-1626.	1.4	32
28	Discussion on the contribution of graptolite to organic enrichment and gasÂshale reservoir: A case study of the Wufengâ€“Longmaxi shales in SouthÂChina. Journal of Natural Gas Geoscience, 2018, 3, 147-156.	1.2	10
29	Concept, technology and practice of â€œman-made reservoirsâ€•development. Petroleum Exploration and Development, 2017, 44, 146-158.	7.0	54
30	Geological characteristics, main challenges and future prospect of shale gas. Journal of Natural Gas Geoscience, 2017, 2, 273-288.	1.2	78
31	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.	1.4	31
32	Suggestions on the development strategy of shale gas in China. Journal of Natural Gas Geoscience, 2016, 1, 413-423.	1.2	44
33	Shale gas in China: Characteristics, challenges and prospects (II). Petroleum Exploration and Development, 2016, 43, 182-196.	7.0	349
34	Water Availability for Shale Gas Development in Sichuan Basin, China. Environmental Science & Technology, 2016, 50, 2837-2845.	10.0	56
35	Breakthrough and prospect of shale gas exploration and development in China. Natural Gas Industry B, 2016, 3, 12-26.	3.4	115
36	Shale gas enrichment pattern and exploration significance of Well WuXi-2 in northeast Chongqing, NE Sichuan Basin. Petroleum Exploration and Development, 2016, 43, 386-394.	7.0	48

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37	Evaluation criteria, major types, characteristics and resource prospects of tight oil in China. Petroleum Research, 2016, 1, 1-9.	2.7	20
38	Geochemical characteristics of marine and terrestrial shale gas in China. Marine and Petroleum Geology, 2016, 76, 444-463.	3.3	154
39	Lithofacies and organic geochemistry of the Middle Permian Lucaogou Formation in the Jimusar Sag of the Junggar Basin, NW China. Journal of Petroleum Science and Engineering, 2016, 140, 97-107.	4.2	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. Energy Exploration and Exploitation, 2015, 33, 439-457.	2.3	10
41	Do Shale Pore Throats Have a Threshold Diameter for Oil Storage?. Scientific Reports, 2015, 5, 13619.	3.3	36
42	Geochemical and Reservoir Characteristics of the Upper Triassic Continental Shale in the Sichuan Basin, China. Energy Exploration and Exploitation, 2015, 33, 375-395.	2.3	9
43	Applications of Micro-Fourier Transform Infrared Spectroscopy (FTIR) in the Geological Sciencesâ€"A Review. International Journal of Molecular Sciences, 2015, 16, 30223-30250.	4.1	258
44	Shale gas in China: Characteristics, challenges and prospects (I). Petroleum Exploration and Development, 2015, 42, 753-767.	7.0	384
45	Formation, distribution, potential and prediction of global conventional and unconventional hydrocarbon resources. Petroleum Exploration and Development, 2015, 42, 14-28.	7.0	224
46	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.	3.3	142
47	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.	3.2	43
48	Geological Conditions and Prospect Forecast of Shale Gas Formation in Qiangtang Basin, Qinghaiâ€Tibet Plateau. Acta Geologica Sinica, 2014, 88, 598-619.	1.4	8
49	Structure of weathered clastic crust and its petroleum potential. Science China Earth Sciences, 2014, 57, 3015-3026.	5.2	12
50	Conventional and unconventional petroleum â€œorderly accumulationâ€: Concept and practical significance. Petroleum Exploration and Development, 2014, 41, 14-30.	7.0	154
51	A static resistance model and the discontinuous pattern of hydrocarbon accumulation in tight oil reservoirs. Petroleum Science, 2014, 11, 469-480.	4.9	7
52	Formation, distribution, resource potential, and discovery of Sinianâ€"Cambrian giant gas field, Sichuan Basin, SW China. Petroleum Exploration and Development, 2014, 41, 306-325.	7.0	310
53	Prospect of Ultra-Deep Petroleum Onshore China. Energy Exploration and Exploitation, 2014, 32, 19-40.	2.3	18
54	Geochemistry of the Sinianâ€"Cambrian gas system in the Sichuan Basin, China. Organic Geochemistry, 2014, 74, 13-21.	1.8	98

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55	Geochemistry of the extremely high thermal maturity Longmaxi shale gas, southern Sichuan Basin. Organic Geochemistry, 2014, 74, 3-12.	1.8	377
56	Development of petroleum geology in China: Discussion on continuous petroleum accumulation. Journal of Earth Science (Wuhan, China), 2013, 24, 796-803.	3.2	28
57	Concepts, characteristics, potential and technology of unconventional hydrocarbons: On unconventional petroleum geology. Petroleum Exploration and Development, 2013, 40, 413-428.	7.0	267
58	Formation, distribution and potential of deep hydrocarbon resources in China. Petroleum Exploration and Development, 2013, 40, 687-695.	7.0	148
59	Formation mechanism, geological characteristics and development strategy of nonmarine shale oil in China. Petroleum Exploration and Development, 2013, 40, 15-27.	7.0	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. Journal of Petroleum Science and Engineering, 2012, 88-89, 82-91.	4.2	365
63	Nano-hydrocarbon and the accumulation in coexisting source and reservoir. Petroleum Exploration and Development, 2012, 39, 15-32.	7.0	159
64	Shale gas generation and potential of the Lower Cambrian Qiongzhusi Formation in the Southern Sichuan Basin, China. Petroleum Exploration and Development, 2012, 39, 75-81.	7.0	142
65	Deep-lacustrine transformation of sandy debrites into turbidites, Upper Triassic, Central China. Sedimentary Geology, 2012, 265-266, 143-155.	2.1	150
66	Hydrocarbon accumulation mechanism and structure of large-scale volcanic weathering crust of the Carboniferous in northern Xinjiang, China. Science China Earth Sciences, 2012, 55, 221-235.	5.2	29
67	Geological exploration theory for large oil and gas provinces and its significance. Petroleum Exploration and Development, 2011, 38, 513-522.	7.0	36
68	Geological characteristics and resource potential of shale gas in China. Petroleum Exploration and Development, 2010, 37, 641-653.	7.0	899
69	Geologic characteristics, controlling factors and hydrocarbon accumulation mechanisms of Chinaâ€™s Large Gas Provinces of low porosity and permeability. Science in China Series D: Earth Sciences, 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. Organic Geochemistry, 2009, 40, 638-646.	1.8	99
71	Geological characteristics of large gas provinces and large gas fields in China. Science in China Series D: Earth Sciences, 2008, 51, 14-35.	0.9	9
72	Geology of giant gas fields in China. Marine and Petroleum Geology, 2008, 25, 320-334.	3.3	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