

Sheng He

List of Publications by Year in descending order

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75
papers

2,406
citations

218381

26
h-index

214527

47
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76
all docs

76
docs citations

76
times ranked

1463
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-scale pore structure and fractal dimension of organic-rich Wufeng-Longmaxi shale from Jiaoshiha area, Sichuan Basin: Investigations using FE-SEM, gas adsorption and helium pycnometry. <i>Marine and Petroleum Geology</i> , 2016, 70, 27-45.	1.5	431
2	Oil generation as the dominant overpressure mechanism in the Cenozoic Dongying depression, Bohai Bay Basin, China. <i>AAPG Bulletin</i> , 2010, 94, 1859-1881.	0.7	131
3	Applying SANS technique to characterize nano-scale pore structure of Longmaxi shale, Sichuan Basin (China). <i>Fuel</i> , 2017, 197, 91-99.	3.4	113
4	Experimental investigations on the geometry and connectivity of pore space in organic-rich Wufeng and Longmaxi shales. <i>Marine and Petroleum Geology</i> , 2017, 84, 225-242.	1.5	107
5	Pore characterization and methane sorption capacity of over-mature organic-rich Wufeng and Longmaxi shales in the southeast Sichuan Basin, China. <i>Marine and Petroleum Geology</i> , 2016, 77, 247-261.	1.5	99
6	Quartz types and origins in the paleozoic Wufeng-Longmaxi Formations, Eastern Sichuan Basin, China: Implications for porosity preservation in shale reservoirs. <i>Marine and Petroleum Geology</i> , 2019, 106, 62-73.	1.5	77
7	Comparison of pore systems of clay-rich and silica-rich gas shales in the lower Silurian Longmaxi formation from the Jiaoshiha area in the eastern Sichuan Basin, China. <i>Marine and Petroleum Geology</i> , 2019, 101, 265-280.	1.5	76
8	Geochemical characteristics and origin of natural gas from Wufeng-Longmaxi shales of the Fuling gas field, Sichuan Basin (China). <i>International Journal of Coal Geology</i> , 2017, 171, 1-11.	1.9	75
9	Overpressure generation and evolution in Lower Paleozoic gas shales of the Jiaoshiha region, China: Implications for shale gas accumulation. <i>Marine and Petroleum Geology</i> , 2019, 102, 844-859.	1.5	62
10	Water adsorption characteristics of organic-rich Wufeng and Longmaxi Shales, Sichuan Basin (China). <i>Journal of Petroleum Science and Engineering</i> , 2020, 193, 107387.	2.1	61
11	Organic nanopore structure and fractal characteristics of Wufeng and lower member of Longmaxi shales in southeastern Sichuan, China. <i>Marine and Petroleum Geology</i> , 2019, 103, 456-472.	1.5	59
12	Properties and shale oil potential of saline lacustrine shales in the Qianjiang Depression, Jiangnan Basin, China. <i>Marine and Petroleum Geology</i> , 2017, 86, 1173-1190.	1.5	51
13	Paleo-ocean redox environments of the Upper Ordovician Wufeng and the first member in lower Silurian Longmaxi formations in the Jiaoshiha area, Sichuan Basin. <i>Canadian Journal of Earth Sciences</i> , 2016, 53, 426-440.	0.6	48
14	Structural evolution of organic matter and implications for graphitization in over-mature marine shales, south China. <i>Marine and Petroleum Geology</i> , 2019, 109, 304-316.	1.5	48
15	Geothermometry and geobarometry of overpressured lower Paleozoic gas shales in the Jiaoshiha field, Central China: Insight from fluid inclusions in fracture cements. <i>Marine and Petroleum Geology</i> , 2017, 83, 124-139.	1.5	47
16	Quantitative estimation of overpressure caused by oil generation in petroliferous basins. <i>Organic Geochemistry</i> , 2011, 42, 1343-1350.	0.9	46
17	Pore structure, wettability and tracer migration in four leading shale formations in the Middle Yangtze Platform, China. <i>Marine and Petroleum Geology</i> , 2018, 89, 415-427.	1.5	44
18	The effects of mineral composition, TOC content and pore structure on spontaneous imbibition in Lower Jurassic Dongyuemiao shale reservoirs. <i>Marine and Petroleum Geology</i> , 2019, 109, 268-278.	1.5	42

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19	Experimental investigation of water vapor adsorption isotherm on gas-producing Longmaxi shale: Mathematical modeling and implication for water distribution in shale reservoirs. <i>Chemical Engineering Journal</i> , 2021, 406, 125982.	6.6	41
20	Synthesis of Polyethylenimine Functionalized Mesoporous Silica for In-Pipet-Tip Phosphopeptide Enrichment. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32182-32188.	4.0	40
21	Effect of Organic Matter Type and Maturity on Organic Matter Pore Formation of Transitional Facies Shales: A Case Study on Upper Permian Longtan and Dalong Shales in Middle Yangtze Region, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 368-384.	1.1	38
22	Screening of oil sources by using comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry and multivariate statistical analysis. <i>Journal of Chromatography A</i> , 2015, 1380, 162-170.	1.8	33
23	Geochemical characterization of source rocks and crude oils in the Upper Cretaceous Qingshankou Formation, Changling Sag, southern Songliao Basin. <i>Marine and Petroleum Geology</i> , 2015, 64, 173-188.	1.5	31
24	Variations of Pore Structure in Organic-Rich Shales with Different Lithofacies from the Jiangdong Block, Fuling Shale Gas Field, SW China: Insights into Gas Storage and Pore Evolution. <i>Energy & Fuels</i> , 2020, 34, 12457-12475.	2.5	31
25	Spontaneous Imbibition of Three Leading Shale Formations in the Middle Yangtze Platform, South China. <i>Energy & Fuels</i> , 2017, 31, 6903-6916.	2.5	30
26	Methane adsorption capacity of marine-continental transitional facies shales: The case study of the Upper Permian Longtan Formation, northern Guizhou Province, Southwest China. <i>Journal of Petroleum Science and Engineering</i> , 2019, 183, 106406.	2.1	30
27	Sedimentological and geochemical characterization of the Upper Permian transitional facies of the Longtan Formation, northern Guizhou Province, southwest China: Insights into paleo-environmental conditions and organic matter accumulation mechanisms. <i>Marine and Petroleum Geology</i> , 2020, 118, 104446.	1.5	29
28	Characteristics and evolution of pyrobitumen-hosted pores of the overmature Lower Cambrian Shuijingtuo Shale in the south of Huangling anticline, Yichang area, China: Evidence from FE-SEM petrography. <i>Marine and Petroleum Geology</i> , 2020, 116, 104303.	1.5	27
29	Formation mechanism of carbonate cemented zones adjacent to the top overpressured surface in the central Junggar Basin, NW China. <i>Science China Earth Sciences</i> , 2010, 53, 529-540.	2.3	26
30	Models of shale gas storage capacity during burial and uplift: Application to Wufeng-Longmaxi shales in the Fuling shale gas field. <i>Marine and Petroleum Geology</i> , 2019, 109, 233-244.	1.5	26
31	Major, trace-elemental and sedimentological characterization of the upper Ordovician Wufeng-lower Silurian Longmaxi formations, Sichuan Basin, south China: Insights into the effect of relative sea-level fluctuations on organic matter accumulation in shales. <i>Marine and Petroleum Geology</i> , 2021, 126, 104905.	1.5	24
32	Origin of over-pressure in clastic rocks in Yuanba area, northeast Sichuan Basin, China. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 30, 90-105.	2.1	23
33	Comparative Investigations on Wettability of Typical Marine, Continental, and Transitional Shales in the Middle Yangtze Platform (China). <i>Energy & Fuels</i> , 2018, 32, 12187-12197.	2.5	21
34	The Resource Evaluation of Jurassic Shale in North Fuling Area, Eastern Sichuan Basin, China. <i>Energy & Fuels</i> , 2018, 32, 1213-1222.	2.5	19
35	Geochemistry characteristics and significance of two petroleum systems near top overpressured surface in central Junggar Basin, NW China. <i>Marine and Petroleum Geology</i> , 2016, 75, 341-355.	1.5	18
36	A simple model for separation prediction of comprehensive two-dimensional gas chromatography and its applications in petroleum analysis. <i>Analytical Methods</i> , 2014, 6, 2608.	1.3	17

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37	Porosity characteristics of different lithofacies in marine shale: A case study of Neoproterozoic Sinian Doushantuo formation in Yichang area, China. <i>Journal of Petroleum Science and Engineering</i> , 2020, 187, 106856.	2.1	17
38	Profiling free fatty acids in edible oils via magnetic dispersive extraction and comprehensive two-dimensional gas chromatography-mass spectrometry. <i>Food Chemistry</i> , 2019, 297, 124998.	4.2	16
39	Sm-Nd isochron dating and geochemical (rare earth elements, $^{87}\text{Sr}/^{86}\text{Sr}$, $\delta^{18}\text{O}$, $\delta^{13}\text{C}$) characterization of calcite veins in the Jiaoshiba shale gas field, China: Implications for the mechanisms of vein formation in shale gas systems. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 1722-1740.	1.6	16
40	Typical disequilibrium compaction caused overpressure of Paleocene Dongying Formation in northwest Liaodongwan Depression, Bohai Bay Basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2016, 147, 726-734.	2.1	15
41	A micro-solid phase extraction in glass pipette packed with amino-functionalized silica for rapid analysis of petroleum acids in crude oils. <i>RSC Advances</i> , 2017, 7, 40608-40614.	1.7	15
42	Main Mechanism for Generating Overpressure in the Paleogene Source Rock Series of the Chezhen Depression, Bohai Bay Basin, China. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 775-787.	1.1	15
43	Hydrothermally tailor-made chitosan fiber for micro-solid phase extraction of petroleum acids in crude oils. <i>Journal of Chromatography A</i> , 2018, 1564, 42-50.	1.8	14
44	Maturity Assessment of the Lower Cambrian and Sinian Shales Using Multiple Technical Approaches. <i>Journal of Earth Science (Wuhan, China)</i> , 2021, 32, 1262-1277.	1.1	14
45	Fluid inclusion and geochemistry studies of calcite veins in Shizhu synclinorium, central China: Record of origin of fluids and diagenetic conditions. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 315-332.	1.1	13
46	Pore characteristics of the lower Sinian Doushantuo Shale in the Mid-Yangtze Yichang area of China: Insights into a distinct shale gas reservoir in the Neoproterozoic formation. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 73, 103085.	2.1	11
47	Petrographical and geochemical characterization of the Upper Permian Longtan formation and Dalong Formation in the Lower Yangtze region, South China: Implications for provenance, paleoclimate, paleoenvironment and organic matter accumulation mechanisms. <i>Marine and Petroleum Geology</i> , 2022, 139, 105580.	1.5	11
48	LucidDraw: Efficiently visualizing complex biochemical networks within MATLAB. <i>BMC Bioinformatics</i> , 2010, 11, 31.	1.2	9
49	CH ₄ accumulation characteristics and relationship with deep CO ₂ fluid in Lishui sag, East China Sea Basin. <i>Applied Geochemistry</i> , 2020, 115, 104563.	1.4	9
50	Overpressure and its positive effect in deep sandstone reservoir quality of Bozhong Depression, offshore Bohai Bay Basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2019, 182, 106362.	2.1	7
51	Structural characteristics and porosity estimation of organic matter-hosted pores in gas shales of Jiaoshiba Block, Sichuan Basin, China. <i>Energy Science and Engineering</i> , 2020, 8, 4178-4195.	1.9	7
52	Revisiting Rhenium-Osmium Isotopic Investigations of Petroleum Systems: From Geochemical Behaviours to Geological Interpretations. <i>Journal of Earth Science (Wuhan, China)</i> , 2021, 32, 1226-1249.	1.1	7
53	Characteristics and Influencing Factors of Supercritical Methane Adsorption in Deep Gas Shale: A Case Study of Marine Wufeng and Longmaxi Formations from the Dongxi Area, Southeastern Sichuan Basin (China). <i>Energy & Fuels</i> , 2022, 36, 1531-1546.	2.5	7
54	Pore Structure Characterization and Reservoir Quality Evaluation of Analcite-Rich Shale Oil Reservoir from the Bohai Bay Basin. <i>Energy & Fuels</i> , 2021, 35, 9349-9368.	2.5	6

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55	Carbonate cementation-dissolution in deep-seated sandstones near the overpressure top in central Junggar Basin, Xinjiang, NW China. <i>Diqiu Huaxue</i> , 2009, 28, 86-96.	0.5	5
56	Paleo-Temperature and -Pressure Characteristics of Fluid Inclusions in Composite Veins of the Doushantuo Shale (Yichang Area, South China): Implications for the Preservation and Enrichment of Shale Gas. <i>Energy & Fuels</i> , 2021, 35, 4091-4105.	2.5	5
57	Methane Adsorption Capacities Investigation of the Ediacaran Organic-Rich Doushantuo Shale in the Middle Yangtze Platform, South China. <i>Energy & Fuels</i> , 2021, 35, 16452-16464.	2.5	5
58	Differences in the Nanopore Structure of Organic-Rich Shales with Distinct Sedimentary Environments and Mineral Compositions. <i>Energy & Fuels</i> , 2021, 35, 16562-16577.	2.5	5
59	Supercritical High-Pressure Methane Adsorption on the Lower Cambrian Shuijingtuo Shale in the Huangling Anticline Area, South China: Adsorption Behavior, Storage Characteristics, and Geological Implications. <i>Energy & Fuels</i> , 2021, 35, 19973-19985.	2.5	5
60	Comparative study on pore structure characteristics of marine and transitional facies shales: A case study of the Upper Permian Longtan Formation and Dalong Formation in the Lower Yangtze area, south China. <i>Journal of Petroleum Science and Engineering</i> , 2022, 215, 110578.	2.1	5
61	CONDENSATES IN THE PANYU UPLIFT, PEARL RIVER MOUTH BASIN, SOUTH CHINA SEA: EVIDENCE FOR HYDROTHERMAL ACTIVITY ASSOCIATED WITH PETROLEUM MIGRATION AND ACCUMULATION. <i>Journal of Petroleum Geology</i> , 2011, 34, 217-232.	0.9	4
62	Characterizations and accumulation of lacustrine source rocks in the Zhu I Depression, Pearl River Mouth Basin, China. <i>Geological Journal</i> , 2019, 54, 4034-4050.	0.6	4
63	Tectonic controls on lacustrine source rock occurrence in the Huizhou Sag, Pearl River Mouth Basin, China. <i>International Geology Review</i> , 2020, 62, 72-93.	1.1	4
64	Properties and shale gas potential of continental shales in the Jurassic Mohe Foreland Basin, northern China. <i>Geological Journal</i> , 2020, 55, 7531-7547.	0.6	4
65	Characteristics of saline lake shale oil reservoir and its influence on shale oil enrichment in the Qianjiang Formation, Qianjiang Depression, Jiangnan Basin, China. <i>Geological Journal</i> , 2021, 56, 2977-2996.	0.6	4
66	The Influence of Analytical Particle Size on the Pore System Measured by CO ₂ , N ₂ , and Ar Adsorption Experiments for Shales. <i>Energy & Fuels</i> , 2021, 35, 18637-18652.	2.5	4
67	Aromatic hydrocarbons as indicators of origin and maturation for light oils from Panyu lower uplift in Pearl River Mouth basin. <i>Journal of Earth Science (Wuhan, China)</i> , 2009, 20, 824-835.	1.1	3
68	Formation and Identification of Unresolved Complex Mixtures in Lacustrine Biodegraded Oil from Nanxiang Basin, China. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	3
69	Distribution and Thermal Maturity of Devonian Carbonate Reservoir Solid Bitumen in Desheng Area of Guizhong Depression, South China. <i>Geofluids</i> , 2017, 2017, 1-15.	0.3	3
70	Variations of lacustrine shale reservoirs in different deformation zones of Mohe Basin, northeastern China: Insights into the impact of thrust nappe structure on shale gas preservation. <i>Marine and Petroleum Geology</i> , 2021, 133, 105272.	1.5	3
71	“ç%1â¾âŠ.âŠ.æ¼”âCE-. <i>Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science Geosciences</i> , 2022, 47, 1819.	0.1	3
72	Pore Structure, Wettability, and Their Coupled Effects on Tracer-Containing Fluid Migration in Organic-Rich Shale. , 2019, , 133-154.		2

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73	A new quantitative model and application for overpressure prediction in carbonate formation. Journal of Petroleum Science and Engineering, 2021, 198, 108145.	2.1	2
74	Preparation of Multiwalled Carbon Nanotubes/Hydroxyl-Terminated Silicone Oil Fiber and Its Application to Analysis of Crude Oils. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	1
75	Quantitative Characterization of Excess Pressure Gradient in the Upper Interval of Es4 Member of Dongying Depression and Its Indicative Significance for Oil Migration and Accumulation. Energies, 2022, 15, 3554.	1.6	0