

Kun He

List of Publications by Year in descending order

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31
papers

960
citations

623734

14
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile route to controlled synthesis of Co ₃ O ₄ nanoparticles and their environmental catalytic properties. <i>Nanotechnology</i> , 2007, 18, 435602.	2.6	230
2	Î²-MnO ₂ nanowires: A novel ozonation catalyst for water treatment. <i>Applied Catalysis B: Environmental</i> , 2009, 85, 155-161.	20.2	128
3	Catalytic ozonation of phenol in water with natural brucite and magnesia. <i>Journal of Hazardous Materials</i> , 2008, 159, 587-592.	12.4	82
4	Catalytic ozonation of azo dye active brilliant red X-3B in water with natural mineral brucite. <i>Catalysis Communications</i> , 2007, 8, 1599-1603.	3.3	81
5	Synthesis of hydrocarbon gases from four different carbon sources and hydrogen gas using a gold-tube system by Fischer-Tropsch method. <i>Chemical Geology</i> , 2013, 349-350, 27-35.	3.3	51
6	Unique chemical and isotopic characteristics and origins of natural gases in the Paleozoic marine formations in the Sichuan Basin, SW China: Isotope fractionation of deep and high mature carbonate reservoir gases. <i>Marine and Petroleum Geology</i> , 2018, 89, 68-82.	3.3	51
7	The evolution of chemical groups and isotopic fractionation at different maturation stages during lignite pyrolysis. <i>Fuel</i> , 2018, 211, 492-506.	6.4	37
8	Geochemistry of coal-measure source rocks and natural gases in deep formations in Songliao Basin, NE China. <i>International Journal of Coal Geology</i> , 2010, 84, 276-285.	5.0	34
9	The speciation of aqueous sulfate and its implication on the initiation mechanisms of TSR at different temperatures. <i>Applied Geochemistry</i> , 2014, 43, 121-131.	3.0	27
10	Experimental and theoretical studies on kinetics for thermochemical sulfate reduction of oil, C ₂ -5 and methane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 139, 59-72.	5.5	25
11	Experimental investigations about the effect of pressure on gas generation from coal. <i>Organic Geochemistry</i> , 2014, 74, 116-122.	1.8	23
12	Catalytic Degradation of Nitrobenzene and Aniline in Presence of Ozone by Magnesia from Natural Mineral. <i>Catalysis Letters</i> , 2007, 119, 222-227.	2.6	22
13	Pyrolysis involving n-hexadecane, water and minerals: Insight into the mechanisms and isotope fractionation for water-hydrocarbon reaction. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 198-208.	5.5	22
14	Origin of conventional and shale gas in Sinian lower Paleozoic strata in the Sichuan Basin: Relayed gas generation from liquid hydrocarbon cracking. <i>AAPG Bulletin</i> , 2019, 103, 1265-1296.	1.5	18
15	Compositional kinetics for hydrocarbon evolution in the pyrolysis of the Chang 7 organic matter: Implications for in-situ conversion of oil shale. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 162, 105434.	5.5	13
16	Geochemical comparison between the gas in bulk fluid inclusions and reservoir gas produced in Paleozoic formation, Ordos Basin, China. <i>Journal of Geochemical Exploration</i> , 2016, 171, 133-140.	3.2	12
17	The upper thermal maturity limit of primary gas generated from marine organic matters. <i>Marine and Petroleum Geology</i> , 2018, 89, 120-129.	3.3	12
18	Demethylation as a mechanism for isotopic reversals of shale gas generated at over maturity. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 135, 361-368.	5.5	12

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19	Mechanism of catalytic hydrolysis of sedimentary organic matter with MoS ₂ . <i>Petroleum Science</i> , 2011, 8, 134-142.	4.9	11
20	Upper thermal maturity limit for gas generation from humic coal. <i>International Journal of Coal Geology</i> , 2015, 152, 123-131.	5.0	11
21	Carbon and hydrogen isotope fractionation for methane from non-isothermal pyrolysis of oil in anhydrous and hydrothermal conditions. <i>Energy Exploration and Exploitation</i> , 2019, 37, 1558-1576.	2.3	11
22	Effects of U-ore on the chemical and isotopic composition of products of hydrous pyrolysis of organic matter. <i>Petroleum Science</i> , 2017, 14, 315-329.	4.9	9
23	New Insight into the Kinetics of Deep Liquid Hydrocarbon Cracking and Its Significance. <i>Geofluids</i> , 2017, 2017, 1-11.	0.7	7
24	Hydrothermal experiments involving methane and sulfate: Insights into carbon isotope fractionation of methane during thermochemical sulfate reduction. <i>Organic Geochemistry</i> , 2020, 149, 104101.	1.8	7
25	Pyrolysis of 1-methylnaphthalene involving water: Effects of Fe-bearing minerals on the generation, C and H isotope fractionation of methane from H ₂ O-hydrocarbon reaction. <i>Organic Geochemistry</i> , 2021, 153, 104151.	1.8	7
26	A Facile Hydrothermal Method to Synthesize Nanosized Co ₃ O ₄ /CeO ₂ and Study of its Catalytic Characteristic in Catalytic Ozonation of Phenol. <i>Catalysis Letters</i> , 2009, 133, 209-213.	2.6	6
27	Impact of formation water on the generation of H ₂ S in condensate reservoirs: a case study from the deep Ordovician in the Tazhong Uplift of the Tarim Basin, NW China. <i>Petroleum Science</i> , 2017, 14, 507-519.	4.9	5
28	The Biomarkers in the Mesoproterozoic Organic-rich Rocks of North China Craton: Implication for the Precursor and Preservation of Organism in the Prokaryotic Realm. <i>Acta Geologica Sinica</i> , 2022, 96, 293-308.	1.4	3
29	Fischer-Tropsch Synthesis Conducted in Volcanic Reservoir Stone, An Important Factor Caused a Reversed Pattern of Carbon Isotopic for Natural Gases Developed in Deep Layers, Songliao Basin North East China. <i>Energy Exploration and Exploitation</i> , 2013, 31, 1-15.	2.3	2
30	Effects of inorganic sulfur species on hydrocarbon conversion and ³⁴ S isotope fractionation during thermal maturation of Type II kerogen. <i>Organic Geochemistry</i> , 2022, 168, 104420.	1.8	1
31	Catalytic ozonation of phenol in water with natural brucite and magnesia. <i>Diqiu Huaxue</i> , 2006, 25, 101-101.	0.5	0