Kun He

List of Publications by Year
in descending order

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	The Biomarkers in the Mesoproterozoic Organicâ€rich Rocks of North China Craton: Implication for the Precursor and Preservation of Organism in the Prokaryotic Realm. Acta Geologica Sinica, 2022, 96, 293-308.	1.4	3
2	Compositional kinetics for hydrocarbon evolution in the pyrolysis of the Chang 7 organic matter: Implications for in-situ conversion of oil shale. Journal of Analytical and Applied Pyrolysis, 2022, 162, 105434.	5.5	13
3	Effects of inorganic sulfur species on hydrocarbon conversion and 34S isotope fractionation during thermal maturation of Type II kerogen. Organic Geochemistry, 2022, 168, 104420.	1.8	1
4	Pyrolysis of 1-methylnaphthalene involving water: Effects of Fe-bearing minerals on the generation, C and H isotope fractionation of methane from H2O-hydrocarbon reaction. Organic Geochemistry, 2021, 153, 104151.	1.8	7
5	Hydrothermal experiments involving methane and sulfate: Insights into carbon isotope fractionation of methane during thermochemical sulfate reduction. Organic Geochemistry, 2020, 149, 104101.	1.8	7
6	Carbon and hydrogen isotope fractionation for methane from non-isothermal pyrolysis of oil in anhydrous and hydrothermal conditions. Energy Exploration and Exploitation, 2019, 37, 1558-1576.	2.3	11
7	Experimental and theoretical studies on kinetics for thermochemical sulfate reduction of oil, C2â€“5 and methane. Journal of Analytical and Applied Pyrolysis, 2019, 139, 59-72.	5.5	25
8	Origin of conventional and shale gas in Sinianâ€“lower Paleozoic strata in the Sichuan Basin: Relayed gas generation from liquid hydrocarbon cracking. AAPG Bulletin, 2019, 103, 1265-1296.	1.5	18
9	Pyrolysis involving n -hexadecane, water and minerals: Insight into the mechanisms and isotope fractionation for water-hydrocarbon reaction. Journal of Analytical and Applied Pyrolysis, 2018, 130, 198-208.	5.5	22
10	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. Marine and Petroleum Geology, 2018, 89, 68-82.	3.3	51
11	The upper thermal maturity limit of primary gas generated from marine organic matters. Marine and Petroleum Geology, 2018, 89, 120-129.	3.3	12
12	The evolution of chemical groups and isotopic fractionation at different maturation stages during lignite pyrolysis. Fuel, 2018, 211, 492-506.	6.4	37
13	Demethylation as a mechanism for isotopic reversals of shale gas generated at over maturity. Journal of Analytical and Applied Pyrolysis, 2018, 135, 361-368.	5.5	12
14	Impact of formation water on the generation of H2S in condensate reservoirs: a case study from the deep Ordovician in the Tazhong Uplift of the Tarim Basin, NW China. Petroleum Science, 2017, 14, 507-519.	4.9	5
15	Effects of U-ore on the chemical and isotopic composition of products of hydrous pyrolysis of organic matter. Petroleum Science, 2017, 14, 315-329.	4.9	9
16	New Insight into the Kinetics of Deep Liquid Hydrocarbon Cracking and Its Significance. Geofluids, 2017, 2017, 1-11.	0.7	7
17	Geochemical comparison between the gas in bulk fluid inclusions and reservoir gas produced in Paleozoic formation, Ordos Basin, China. Journal of Geochemical Exploration, 2016, 171, 133-140.	3.2	12
18	Upper thermal maturity limit for gas generation from humic coal. International Journal of Coal Geology, 2015, 152, 123-131.	5.0	11

#	Article	IF	Citations
19	The speciation of aqueous sulfate and its implication on the initiation mechanisms of TSR at different temperatures. Applied Geochemistry, 2014, 43, 121-131.	3.0	27
20	Experimental investigations about the effect of pressure on gas generation from coal. Organic Geochemistry, 2014, 74, 116-122.	1.8	23
21	Synthesis of hydrocarbon gases from four different carbon sources and hydrogen gas using a gold-tube system by Fischerâ€“Tropsch method. Chemical Geology, 2013, 349-350, 27-35.	3.3	51
22	Fischerâ€“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. Energy Exploration and Exploitation, 2013, 31, 1-15.	2.3	2
23	Mechanism of catalytic hydropyrolysis of sedimentary organic matter with MoS2. Petroleum Science, 2011, 8, 134-142.	4.9	11
24	Geochemistry of coal-measure source rocks and natural gases in deep formations in Songliao Basin, NE China. International Journal of Coal Geology, 2010, 84, 276-285.	5.0	34
25	A Facile Hydrothermal Method to Synthesize Nanosized Co3O4/CeO2 and Study of its Catalytic Characteristic in Catalytic Ozonation of Phenol. Catalysis Letters, 2009, 133, 209-213.	2.6	6
26	Î²-MnO2 nanowires: A novel ozonation catalyst for water treatment. Applied Catalysis B: Environmental, 2009, 85, 155-161.	20.2	128
27	Catalytic ozonation of phenol in water with natural brucite and magnesia. Journal of Hazardous Materials, 2008, 159, 587-592.	12.4	82
28	A facile route to controlled synthesis of Co₃O₄nanoparticles and their environmental catalytic properties. Nanotechnology, 2007, 18, 435602.	2.6	230
29	Catalytic ozonation of azo dye active brilliant red X-3B in water with natural mineral brucite. Catalysis Communications, 2007, 8, 1599-1603.	3.3	81
30	Catalytic Degradation of Nitrobenzene and Aniline in Presence of Ozone by Magnesia from Natural Mineral. Catalysis Letters, 2007, 119, 222-227.	2.6	22
31	Catalytic ozonation of phenol in water with natural brucite and magnesia. Diqiu Huaxue, 2006, 25, 101-101.	0.5	0