

# Hui Tian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9813700/publications.pdf>

Version: 2024-02-01

62  
papers

2,836  
citations

201674

27  
h-index

175258

52  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in the distribution and occurrence phases of pore water in various nanopores of marine-terrestrial transitional shales in the Yangquan area of the northeast Qinshui Basin, China. <i>Marine and Petroleum Geology</i> , 2022, 137, 105510.	3.3	15
2	Pore Water and Its Influences on the Nanopore Structures of Deep Longmaxi Shales in the Luzhou Block of the Southern Sichuan Basin, China. <i>Energies</i> , 2022, 15, 4053.	3.1	8
3	The relationship between oil generation, expulsion and retention of lacustrine shales: Based on pyrolysis simulation experiments. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107625.	4.2	14
4	Methane-dominated gaseous inclusions in the Sinian carbonate reservoirs in central Sichuan Basin and their implications for natural gas accumulation. <i>Marine and Petroleum Geology</i> , 2021, 125, 104871.	3.3	11
5	Occurrence of Irreducible Water and Its Influences on Gas-Bearing Property of Gas Shales From Shallow Longmaxi Formation in the Xishui Area, Guizhou, Southern China. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	17
6	Enhanced terrestrial organic matter burial in the marine shales of Yangtze platform during the early Carboniferous interglacial interval. <i>Marine and Petroleum Geology</i> , 2021, 129, 105064.	3.3	3
7	Reconstruction of oceanic redox structures during the Ediacaran-Cambrian transition in the Yangtze Block of South China: Implications from Mo isotopes and trace elements. <i>Precambrian Research</i> , 2021, 359, 106181.	2.7	10
8	Fluorescence lifetime evolution of crude oils during thermal cracking: Implications from pyrolysis experiments in a closed system. <i>Organic Geochemistry</i> , 2021, 159, 104273.	1.8	4
9	Numerical Simulation Based on the Canister Test for Shale Gas Content Calculation. <i>Energies</i> , 2021, 14, 6518.	3.1	2
10	Origin and Formation of Pyrobitumen in Sinian Cambrian Reservoirs of the Anyue Gas Field in the Sichuan Basin: Implications from Pyrolysis Experiments of Different Oil Fractions. <i>Energy &amp; Fuels</i> , 2021, 35, 1165-1177.	5.1	6
11	Thermal maturation as revealed by micro-Raman spectroscopy of mineral-organic aggregation (MOA) in marine shales with high and over maturities. <i>Science China Earth Sciences</i> , 2020, 63, 1540-1552.	5.2	14
12	Characteristics of molecular nitrogen generation from overmature black shales in South China: Preliminary implications from pyrolysis experiments. <i>Marine and Petroleum Geology</i> , 2020, 120, 104527.	3.3	12
13	Methane adsorption characteristics of overmature Lower Cambrian shales of deepwater shelf facies in Southwest China. <i>Marine and Petroleum Geology</i> , 2020, 120, 104565.	3.3	17
14	Paleo-environmental variation and its control on organic matter enrichment of black shales from shallow shelf to slope regions on the Upper Yangtze Platform during Cambrian Stage 3. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 545, 109653.	2.3	26
15	Gas in place and its controlling factors of the shallow Longmaxi shale in the Xishui area, Guizhou, China. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 77, 103272.	4.4	26
16	Fluorescence lifetimes of crude oils and oil inclusions: A preliminary study in the Western Pearl River Mouth Basin, South China Sea. <i>Organic Geochemistry</i> , 2019, 134, 16-31.	1.8	8
17	Formation and evolution of nanopores in shales and its impact on retained oil during oil generation and expulsion based on pyrolysis experiments. <i>Journal of Petroleum Science and Engineering</i> , 2019, 176, 509-520.	4.2	23
18	Influence of retained bitumen in oil-prone shales on the chemical and carbon isotopic compositions of natural gases: Implications from pyrolysis experiments. <i>Marine and Petroleum Geology</i> , 2019, 101, 148-161.	3.3	18

#	ARTICLE	IF	CITATIONS
19	Late gas generation potential for different types of shale source rocks: Implications from pyrolysis experiments. <i>International Journal of Coal Geology</i> , 2018, 193, 16-29.	5.0	36
20	Water Content and Equilibrium Saturation and Their Influencing Factors of the Lower Paleozoic Overmature Organic-Rich Shales in the Upper Yangtze Region of Southern China. <i>Energy &amp; Fuels</i> , 2018, 32, 11452-11466.	5.1	35
21	Rhenium–osmium and molybdenum isotope systematics of black shales from the Lower Cambrian Niutitang Formation, SW China: Evidence of a well oxygenated ocean at ca. 520 Ma. <i>Chemical Geology</i> , 2018, 499, 26-42.	3.3	31
22	Condensate origin and hydrocarbon accumulation mechanism of the deepwater giant gas field in western South China Sea: A case study of Lingshui 17-2 gas field in Qiongdongnan Basin. <i>Petroleum Exploration and Development</i> , 2017, 44, 409-417.	7.0	40
23	Efficient Determination of Specific Surface Area of Shale Samples Using a Tracer-Based Headspace Gas Chromatographic Technique. <i>Analytical Chemistry</i> , 2017, 89, 974-979.	6.5	6
24	Water Distribution in Overmature Organic-Rich Shales: Implications from Water Adsorption Experiments. <i>Energy &amp; Fuels</i> , 2017, 31, 13120-13132.	5.1	51
25	Characterization of Eocene lacustrine source rocks and their oils in the Beibuwan Basin, offshore South China Sea. <i>AAPG Bulletin</i> , 2017, 101, 1395-1423.	1.5	16
26	Geochemical characterization and methane adsorption capacity of overmature organic-rich Lower Cambrian shales in northeast Guizhou region, southwest China. <i>Marine and Petroleum Geology</i> , 2017, 86, 858-873.	3.3	71
27	Study of genetic evolution of oil inclusion and density of surface oil by measurement of fluorescence lifetime of crude oil and oil inclusion. <i>Science China Earth Sciences</i> , 2017, 60, 95-101.	5.2	5
28	Geological models of gas in place of the Longmaxi shale in Southeast Chongqing, South China. <i>Marine and Petroleum Geology</i> , 2016, 73, 433-444.	3.3	106
29	Application of low pressure gas adsorption to the characterization of pore size distribution of shales: An example from Southeastern Chongqing area, China. <i>Journal of Natural Gas Geoscience</i> , 2016, 1, 221-230.	1.2	30
30	Geochemistry, origin and accumulation of natural gases in the deepwater area of the Qiongdongnan Basin, South China Sea. <i>Marine and Petroleum Geology</i> , 2016, 72, 254-267.	3.3	71
31	Characterization of methane adsorption on overmature Lower Silurian–Upper Ordovician shales in Sichuan Basin, southwest China: Experimental results and geological implications. <i>International Journal of Coal Geology</i> , 2016, 156, 36-49.	5.0	218
32	Pore characterization of organic-rich Lower Cambrian shales in Qiannan Depression of Guizhou Province, Southwestern China. <i>Marine and Petroleum Geology</i> , 2015, 62, 28-43.	3.3	186
33	A preliminary study on the characterization and controlling factors of porosity and pore structure of the Permian shales in Lower Yangtze region, Eastern China. <i>International Journal of Coal Geology</i> , 2015, 146, 68-78.	5.0	106
34	Origin and accumulation of CO <sub>2</sub> and its natural displacement of oils in the continental basins, northern South China Sea. <i>AAPG Bulletin</i> , 2015, 99, 1349-1369.	1.5	19
35	Main controlling factors and enrichment area evaluation of shale gas of the Lower Paleozoic marine strata in south China. <i>Petroleum Science</i> , 2015, 12, 573-586.	4.9	55
36	Gas generation of shale organic matter with different contents of residual oil based on a pyrolysis experiment. <i>Organic Geochemistry</i> , 2015, 78, 69-78.	1.8	37

#	ARTICLE	IF	CITATIONS
37	The relationship between micro-Raman spectral parameters and reflectance of solid bitumen. <i>International Journal of Coal Geology</i> , 2014, 121, 19-25.	5.0	110
38	Modeling free gas content of the Lower Paleozoic shales in the Weiyuan area of the Sichuan Basin, China. <i>Marine and Petroleum Geology</i> , 2014, 56, 87-96.	3.3	70
39	A preliminary study on the pore characterization of Lower Silurian black shales in the Chuandong Thrust Fold Belt, southwestern China using low pressure N <sub>2</sub> adsorption and FE-SEM methods. <i>Marine and Petroleum Geology</i> , 2013, 48, 8-19.	3.3	475
40	Sample maturation calculated using Raman spectroscopic parameters for solid organics: Methodology and geological applications. <i>Science Bulletin</i> , 2013, 58, 1285-1298.	1.7	132
41	The generation kinetics of natural gases in the Kela-2 gas field from the Kuqa Depression, Tarim Basin, northwestern China. <i>Diqiu Huaxue</i> , 2013, 32, 157-169.	0.5	2
42	Source controls on geochemical characteristics of crude oils from the Qionghai Uplift in the western Pearl River Mouth Basin, offshore South China Sea. <i>Marine and Petroleum Geology</i> , 2013, 40, 85-98.	3.3	39
43	Abnormal elevations of C <sub>34</sub> 2 $\alpha$ -methylhopane and C <sub>34</sub> 2 $\beta$ -methylbenzohopane in a Lower Triassic mudstone sample, NW Sichuan Basin. <i>Organic Geochemistry</i> , 2013, 63, 139-144.	1.8	7
44	Geochemical characteristics, palaeoenvironment and formation model of Eocene organic-rich shales in the Beibuwan Basin, South China Sea. <i>Marine and Petroleum Geology</i> , 2013, 48, 77-89.	3.3	56
45	A complete series of C <sub>31</sub> –C <sub>34</sub> 25-norbenzohopanes in the Devonian and Jurassic bitumen sands, NW Sichuan Basin. <i>Organic Geochemistry</i> , 2012, 45, 1-6.	1.8	10
46	An experimental comparison of gas generation from three oil fractions: Implications for the chemical and stable carbon isotopic signatures of oil cracking gas. <i>Organic Geochemistry</i> , 2012, 46, 96-112.	1.8	72
47	A comparative experimental study on gas generation from saturated and aromatic hydrocarbons isolated from a Cambrian oil in Tarim basin. <i>Geochemical Journal</i> , 2010, 44, 151-158.	1.0	5
48	Genetic origins of marine gases in the Tazhong area of the Tarim basin, NW China: Implications from the pyrolysis of marine kerogens and crude oil. <i>International Journal of Coal Geology</i> , 2010, 82, 17-26.	5.0	47
49	Pyrolysis of oil at high temperatures: Gas potentials, chemical and carbon isotopic signatures. <i>Science Bulletin</i> , 2009, 54, 1217-1224.	9.0	26
50	High density methane inclusions in Puguang Gasfield: Discovery and a T-P genetic study. <i>Science Bulletin</i> , 2009, 54, 4714-4723.	9.0	19
51	Generation and accumulation of oil and condensates in the Wenchang A Sag, western Pearl River Mouth Basin, South China Sea. <i>Geofluids</i> , 2009, 9, 275-286.	0.7	17
52	Distinguishing gases derived from oil cracking and kerogen maturation: Insights from laboratory pyrolysis experiments. <i>Organic Geochemistry</i> , 2009, 40, 1074-1084.	1.8	66
53	Tracing of deeply-buried source rock: A case study of the WC9-2 petroleum pool in the Pearl River Mouth Basin, South China Sea. <i>Marine and Petroleum Geology</i> , 2009, 26, 1365-1378.	3.3	21
54	Influence of water on yields and isotopic fractionations of gas hydrocarbons generated from oil cracking. <i>Geochemical Journal</i> , 2009, 43, 247-255.	1.0	5

#	ARTICLE	IF	CITATIONS
55	The modeling of carbon isotope kinetics and its application to the evaluation of natural gas. <i>Frontiers of Earth Science</i> , 2008, 2, 96-104.	0.5	2
56	Formation and evolution of Silurian paleo-oil pools in the Tarim Basin, NW China. <i>Organic Geochemistry</i> , 2008, 39, 1281-1293.	1.8	21
57	New insights into the volume and pressure changes during the thermal cracking of oil to gas in reservoirs: Implications for the in-situ accumulation of gas cracked from oils. <i>AAPG Bulletin</i> , 2008, 92, 181-200.	1.5	102
58	Gas sources of the YN2 gas pool in the Tarim Basin—Evidence from gas generation and methane carbon isotope fractionation kinetics of source rocks and crude oils. <i>Marine and Petroleum Geology</i> , 2007, 24, 29-41.	3.3	41
59	Determination of the source area of the Ya13-1 gas pool in the Qiongdongnan Basin, South China Sea. <i>Organic Geochemistry</i> , 2006, 37, 990-1002.	1.8	42
60	Origin of natural sulphur-bearing immiscible inclusions and H <sub>2</sub> S in oolite gas reservoir, Eastern Sichuan. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 242-257.	0.9	22
61	Oil cracking to gases: Kinetic modeling and geological significance. <i>Science Bulletin</i> , 2006, 51, 2763-2770.	1.7	53
62	Origin and accumulation model of the AK-1 natural gas pool from the Tarim Basin, China. <i>Organic Geochemistry</i> , 2005, 36, 1285-1298.	1.8	20