

Guang-You Zhu

List of Publications by Year in descending order

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114
papers

3,382
citations

126901

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175241

52
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115
all docs

115
docs citations

115
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Mo isotope records from Lower Cambrian black shales, northwestern Tarim Basin (China): Implications for the early Cambrian ocean. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 3-14.	3.3	16
2	Tectono-thermal impacts on the formation of a heavy oil in the eastern Tarim Basin (China): Implications for oil and gas potential. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109353.	4.2	1
3	Carbon isotopic chemostratigraphy of the Ediacaran-Cambrian successions in the northwestern Tarim Craton, NW China: Correlations with Gondwana supercontinent. <i>Global and Planetary Change</i> , 2022, 208, 103702.	3.5	12
4	Phase fractionation and oil mixing as contributors to complex petroleum phase in deep strata: A case study from LG7 block in the Tarim Basin, China. <i>Marine and Petroleum Geology</i> , 2022, 140, 105660.	3.3	3
5	Nitrogen isotope evidence for oxygenated upper ocean during the Cryogenian interglacial period. <i>Chemical Geology</i> , 2022, 604, 120929.	3.3	8
6	Low marine sulfate levels during the initiation of the Cryogenian Marinoan glaciation. <i>Precambrian Research</i> , 2022, 377, 106737.	2.7	3
7	Geochemical characteristics of organic-rich intervals within the Cryogenian non-glacial Datangpo Formation in southeastern Yangtze Block-implications for paleoenvironment and its control on organic matter accumulation. <i>Precambrian Research</i> , 2022, 378, 106777.	2.7	9
8	Internal versus external locations of the South China Craton within Rodinia during the Cryogenian: Provenance history of the Nanhua Basin. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 559-579.	3.3	6
9	Revisiting to the Neoproterozoic tectonic evolution of the Tarim Block, NW China. <i>Precambrian Research</i> , 2021, 352, 106013.	2.7	14
10	Deepest oil in Asia: Characteristics of petroleum system in the Tarim basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2021, 199, 108246.	4.2	44
11	Geochemical Characteristics and the Origin of Superdeep Condensates in Tarim Basin, China. <i>ACS Omega</i> , 2021, 6, 7275-7285.	3.5	5
12	Geochemical Comparison of the Deep Gases From the Sichuan and Tarim Basins, China. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	4
13	Silicon isotopic constraints on the genesis of cherts in the Ordovician sedimentary succession in Tarim Basin, Western China. <i>Journal of Asian Earth Sciences</i> , 2021, 215, 104795.	2.3	2
14	Anomalously high enrichment of mercury in early Cambrian black shales in South China. <i>Journal of Asian Earth Sciences</i> , 2021, 216, 104794.	2.3	11
15	Late Ediacaran to Early Cambrian tectonicâ€sedimentary controls on Lower Cambrian black shales in the Tarim Basin, Northwest China. <i>Global and Planetary Change</i> , 2021, 205, 103612.	3.5	14
16	Formation and distribution of ethanodiamondoids in deeply buried marine oil from the Tarim Basin, China. <i>Organic Geochemistry</i> , 2021, 162, 104327.	1.8	1
17	Provenance of newly discovered Upper Ordovician black rock units in the West Kunlun Orogen, China: Constraints from detrital zircon Uâ€Pb chronology and wholeâ€rock geochemistry. <i>Geological Journal</i> , 2020, 55, 1529-1545.	1.3	2
18	Discovery of Cryogenian interglacial source rocks in the northern Tarim, NW China: Implications for Neoproterozoic paleoclimatic reconstructions and hydrocarbon exploration. <i>Gondwana Research</i> , 2020, 80, 370-384.	6.0	23

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19	Late Neoproterozoic intracontinental rifting of the Tarim carton, NW China: An integrated geochemical, geochronological and Sr ⁸⁷ /Nd ¹⁴³ and Hf isotopic study of siliciclastic rocks and basalts from deep drilling cores. <i>Gondwana Research</i> , 2020, 80, 142-156.	6.0	28
20	Discovery of the high-yield well GT1 in the deep strata of the southern margin of the Junggar Basin, China: Implications for liquid petroleum potential in deep assemblage. <i>Journal of Petroleum Science and Engineering</i> , 2020, 191, 107178.	4.2	7
21	Origin and Distribution of Large Asphaltite in South China. <i>ACS Omega</i> , 2020, 5, 30348-30355.	3.5	1
22	The origin and accumulation of ultra-deep oil in Halahatang area, northern Tarim Basin. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107898.	4.2	8
23	Molecular composition of vanadyl porphyrins in the gilsonite. <i>Journal of Fuel Chemistry and Technology</i> , 2020, 48, 562-567.	2.0	7
24	Stability and cracking threshold depth of crude oil in 8000m ultra-deep reservoir in the Tarim Basin. <i>Fuel</i> , 2020, 282, 118777.	6.4	27
25	Distribution and geodynamic setting of the Late Neoproterozoic to Early Cambrian hydrocarbon source rocks in the South China and Tarim Blocks. <i>Journal of Asian Earth Sciences</i> , 2020, 201, 104504.	2.3	21
26	Discovery and Molecular Characterization of Organic Caged Compounds and Polysulfanes in Zhongba81 Crude Oil, Sichuan Basin, China. <i>Energy & Fuels</i> , 2020, 34, 6811-6821.	5.1	6
27	Comprehensive Molecular Compositions and Origins of DB301 Crude Oil from Deep Strata, Tarim Basin, China. <i>Energy & Fuels</i> , 2020, 34, 6799-6810.	5.1	11
28	The Influence of Gas Invasion on the Composition of Crude Oil and the Controlling Factors for the Reservoir Fluid Phase. <i>Energy & Fuels</i> , 2020, 34, 2710-2725.	5.1	7
29	Occurrence and Origins of Thiols in Deep Strata Crude Oils, Tarim Basin, China. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2499-2509.	2.7	7
30	The complexity, secondary geochemical process, genetic mechanism and distribution prediction of deep marine oil and gas in the Tarim Basin, China. <i>Earth-Science Reviews</i> , 2019, 198, 102930.	9.1	72
31	Excellent source rocks discovered in the Cryogenian interglacial deposits in South China: Geology, geochemistry, and hydrocarbon potential. <i>Precambrian Research</i> , 2019, 333, 105455.	2.7	27
32	Composition and origin of molecular compounds in the condensate oils of the Dabei gas field, Tarim Basin, NW China. <i>Petroleum Exploration and Development</i> , 2019, 46, 504-517.	7.0	13
33	Impacts of Thermochemical Sulfate Reduction, Oil Cracking, and Gas Mixing on the Petroleum Fluid Phase in the Tazhong Area, Tarim Basin, China. <i>Energy & Fuels</i> , 2019, 33, 968-978.	5.1	20
34	Characterization of Acidic Compounds in Ancient Shale of Cambrian Formation Using Fourier Transform Ion Cyclotron Resonance Mass Spectrometry, Tarim Basin, China. <i>Energy & Fuels</i> , 2019, 33, 1083-1089.	5.1	11
35	Diamondoids as tracers of late gas charge in oil reservoirs: Example from the Tazhong area, Tarim Basin, China. <i>Fuel</i> , 2019, 253, 998-1017.	6.4	26
36	Geochemical and Isotopic Evidence of the Genesis of a Condensate in the Eastern Tarim Basin, China: Implications for Petroleum Exploration. <i>Energy & Fuels</i> , 2019, 33, 4849-4856.	5.1	9

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37	Variations of diamondoids distributions in petroleum fluids during migration induced phase fractionation: A case study from the Tazhong area, NW China. <i>Journal of Petroleum Science and Engineering</i> , 2019, 179, 1012-1022.	4.2	24
38	Formation and preservation of a giant petroleum accumulation in superdeep carbonate reservoirs in the southern Halahatang oil field area, Tarim Basin, China. <i>AAPG Bulletin</i> , 2019, 103, 1703-1743.	1.5	40
39	Origin and formation of deep and superdeep strata gas from Gucheng-Shunnan block of the Tarim Basin, NW China. <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 361-373.	4.2	25
40	TSR, deep oil cracking and exploration potential in the Hetianhe gas field, Tarim Basin, China. <i>Fuel</i> , 2019, 236, 1078-1092.	6.4	35
41	Higher Ethanodiamondoids in Petroleum. <i>Energy & Fuels</i> , 2018, 32, 4996-5000.	5.1	15
42	Non-cracked oil in ultra-deep high-temperature reservoirs in the Tarim basin, China. <i>Marine and Petroleum Geology</i> , 2018, 89, 252-262.	3.3	58
43	Potential and favorable areas of petroleum exploration of ultra-deep marine strata more than 8000m deep in the Tarim Basin, Northwest China. <i>Journal of Natural Gas Geoscience</i> , 2018, 3, 321-337.	1.2	14
44	Preservation of Ultradeep Liquid Oil and Its Exploration Limit. <i>Energy & Fuels</i> , 2018, 32, 11165-11176.	5.1	21
45	Molecular Characterization of Ketones in a Petroleum Source Rock. <i>Energy & Fuels</i> , 2018, 32, 11136-11142.	5.1	7
46	Discovery of the lower Cambrian high-quality source rocks and deep oil and gas exploration potential in the Tarim Basin, China. <i>AAPG Bulletin</i> , 2018, 102, 2123-2151.	1.5	69
47	The origin and accumulation of multi-phase reservoirs in the east Tabei uplift, Tarim Basin, China. <i>Marine and Petroleum Geology</i> , 2018, 98, 533-553.	3.3	32
48	Discovery of High-Abundance Diamondoids and Thiadiamondoids and Severe TSR Alteration of Well ZS1C Condensate, Tarim Basin, China. <i>Energy & Fuels</i> , 2018, 32, 7383-7392.	5.1	19
49	Low-Molecular-Weight Organic Polysulfanes in Petroleum. <i>Energy & Fuels</i> , 2018, 32, 6770-6773.	5.1	7
50	Discovery of Precambrian thick black mudstones and its implication for hydrocarbon exploration in the southwest Tarim Basin. <i>Petroleum Research</i> , 2018, 3, 124-131.	2.7	5
51	High abundance of alkylated diamondoids, thiadiamondoids and thioaromatics in recently discovered sulfur-rich LS2 condensate in the Tarim Basin. <i>Organic Geochemistry</i> , 2018, 123, 136-143.	1.8	21
52	Origins and differences in condensate gas reservoirs between east and west of Tazhong uplift in the Ordovician Tarim Basin, NW China. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 367-380.	3.2	6
53	Genesis and distribution of hydrogen sulfide in deep heavy oil of the Halahatang area in the Tarim Basin, China. <i>Journal of Natural Gas Geoscience</i> , 2017, 2, 57-71.	1.2	18
54	Neoproterozoic rift basins and their control on the development of hydrocarbon source rocks in the Tarim Basin, NW China. <i>Journal of Asian Earth Sciences</i> , 2017, 150, 63-72.	2.3	40

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55	The characteristics of Precambrian sedimentary basin and the distribution of deep source rock: A case study of Tarim Basin in Neoproterozoic and source rocks in Early Cambrian, Western China. <i>Petroleum Exploration and Development</i> , 2016, 43, 988-999.	7.0	47
56	Identification of polycyclic sulfides hexahydrodibenzothiophenes and their implications for heavy oil accumulation in ultra-deep strata in Tarim Basin. <i>Marine and Petroleum Geology</i> , 2016, 78, 439-447.	3.3	10
57	Discovery and basic characteristics of high-quality source rocks found in the Yuertusi Formation of the Cambrian in Tarim Basin, China. <i>Journal of Natural Gas Geoscience</i> , 2016, 1, 21-33.	1.2	33
58	TSR-altered oil with high-abundance thiaadamantanes of a deep-buried Cambrian gas condensate reservoir in Tarim Basin. <i>Marine and Petroleum Geology</i> , 2016, 69, 1-12.	3.3	39
59	Hydrocarbon accumulation mechanisms and industrial exploration depth of large-area fracture“cavity carbonates in the Tarim Basin, western China. <i>Journal of Petroleum Science and Engineering</i> , 2015, 133, 889-907.	4.2	33
60	Geology and Hydrocarbon Accumulation of the Large Ultra-Deep Rewapu Oilfield in Tarim Basin, China. <i>Energy Exploration and Exploitation</i> , 2015, 33, 123-143.	2.3	12
61	Geochemical Significance of Discovery in Cambrian Reservoirs at Well ZS1 of the Tarim Basin, Northwest China. <i>Energy & Fuels</i> , 2015, 29, 1332-1344.	5.1	50
62	Origin of diamondoid and sulphur compounds in the Tazhong Ordovician condensate, Tarim Basin, China: Implications for hydrocarbon exploration in deep-buried strata. <i>Marine and Petroleum Geology</i> , 2015, 62, 14-27.	3.3	31
63	Separation and Characterization of Sulfur Compounds in Ultra-deep Formation Crude Oils from Tarim Basin. <i>Energy & Fuels</i> , 2015, 29, 4842-4849.	5.1	41
64	Geochemistry, origin and accumulation of continental condensate in the ultra-deep-buried Cretaceous sandstone reservoir, Kuqa Depression, Tarim Basin, China. <i>Marine and Petroleum Geology</i> , 2015, 65, 103-113.	3.3	35
65	Giant gas discovery in the Precambrian deeply buried reservoirs in the Sichuan Basin, China: Implications for gas exploration in old cratonic basins. <i>Precambrian Research</i> , 2015, 262, 45-66.	2.7	123
66	Secondary alteration to ancient oil reservoirs by late gas filling in the Tazhong area, Tarim Basin. <i>Journal of Petroleum Science and Engineering</i> , 2014, 122, 240-256.	4.2	40
67	Origin of deep strata gas of Tazhong in Tarim Basin, China. <i>Organic Geochemistry</i> , 2014, 74, 85-97.	1.8	43
68	Natural gas constituent and carbon isotopic composition in petroliferous basins, China. <i>Journal of Asian Earth Sciences</i> , 2014, 80, 1-17.	2.3	18
69	Geochemical features and origin of natural gas in heavy oil area of the Western Slope, Songliao Basin, China. <i>Chemie Der Erde</i> , 2014, 74, 63-75.	2.0	9
70	Geochemistry of Paleozoic marine oils from the Tarim Basin, NW China. Part 4: Paleobiodegradation and oil charge mixing. <i>Organic Geochemistry</i> , 2014, 67, 41-57.	1.8	81
71	Origin and Source of the Cenozoic Gas in the Beach Area of the Nanpu Sag, Bohai Bay Basin, China. <i>Energy Exploration and Exploitation</i> , 2014, 32, 93-111.	2.3	8
72	The Geological Characteristics of Reservoirs and Major Controlling Factors of Hydrocarbon Accumulation in the Ordovician of Tazhong Area, Tarim Basin. <i>Energy Exploration and Exploitation</i> , 2014, 32, 345-368.	2.3	17

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73	Secondary accumulation of hydrocarbons in Carboniferous reservoirs in the northern Tarim Basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2013, 102, 10-26.	4.2	32
74	Geological features and hydrocarbon accumulation in the Xinken oil field, Tarim Basin. <i>Diqiu Huaxue</i> , 2013, 32, 367-379.	0.5	1
75	Alteration and multi-stage accumulation of oil and gas in the Ordovician of the Tabei Uplift, Tarim Basin, NW China: Implications for genetic origin of the diverse hydrocarbons. <i>Marine and Petroleum Geology</i> , 2013, 46, 234-250.	3.3	89
76	A well-preserved 250 million-year-old oil accumulation in the Tarim Basin, western China: Implications for hydrocarbon exploration in old and deep basins. <i>Marine and Petroleum Geology</i> , 2013, 43, 478-488.	3.3	40
77	Use of comprehensive two-dimensional gas chromatography for the characterization of ultra-deep condensate from the Bohai Bay Basin, China. <i>Organic Geochemistry</i> , 2013, 63, 8-17.	1.8	28
78	Formation mechanisms of secondary hydrocarbon pools in the Triassic reservoirs in the northern Tarim Basin. <i>Marine and Petroleum Geology</i> , 2013, 46, 51-66.	3.3	34
79	Characteristics and Accumulation Mechanism of Quasi-Layered Ordovician Carbonate Reservoirs in the Tazhong Area, Tarim Basin. <i>Energy Exploration and Exploitation</i> , 2013, 31, 545-567.	2.3	24
80	Distribution and Implication of Adamantane in Crude Oils in Lunnan Area, Tarim Basin in China. <i>Energy Exploration and Exploitation</i> , 2012, 30, 957-970.	2.3	5
81	The effects of pyrobitumen on oil cracking in confined pyrolysis experiments. <i>Organic Geochemistry</i> , 2012, 45, 29-47.	1.8	59
82	Sedimentary association of alternated mudstones and tight sandstones in China's oil and gas bearing basins and its natural gas accumulation. <i>Journal of Asian Earth Sciences</i> , 2012, 50, 88-104.	2.3	47
83	The occurrence of ultra-deep heavy oils in the Tabei Uplift of the Tarim Basin, NW China. <i>Organic Geochemistry</i> , 2012, 52, 88-102.	1.8	92
84	Gas genetic type and origin of hydrogen sulfide in the Zhongba gas field of the western Sichuan Basin, China. <i>Applied Geochemistry</i> , 2011, 26, 1261-1273.	3.0	81
85	Geochemical evidence for coal-derived hydrocarbons and their charge history in the Dabai Gas Field, Kuqa Thrust Belt, Tarim Basin, NW China. <i>Marine and Petroleum Geology</i> , 2011, 28, 1364-1375.	3.3	68
86	Geochemistry of Palaeozoic marine petroleum from the Tarim Basin, NW China: Part 3. Thermal cracking of liquid hydrocarbons and gas washing as the major mechanisms for deep gas condensate accumulations. <i>Organic Geochemistry</i> , 2011, 42, 1394-1410.	1.8	114
87	Comparison of geochemical parameters derived from comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry and conventional gas chromatography-mass spectrometry. <i>Science China Earth Sciences</i> , 2011, 54, 1892-1901.	5.2	9
88	The Formation Mechanism of High Dibenzothiophene Series Concentration in Paleozoic Crude Oils from Tazhong Area, Tarim Basin, China. <i>Energy Exploration and Exploitation</i> , 2011, 29, 617-632.	2.3	20
89	Identification of petroleum aromatic fraction by comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Science Bulletin</i> , 2010, 55, 2039-2045.	1.7	16
90	Genetic types and distribution of shallow-buried natural gases. <i>Petroleum Science</i> , 2010, 7, 347-354.	4.9	6

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91	Distribution and treatment of harmful gas from heavy oil production in the Liaohe Oilfield, Northeast China. <i>Petroleum Science</i> , 2010, 7, 422-427.	4.9	8
92	The origin and distribution of natural gas in the frontal uplift area of the Kuqa depression, Tarim Basin. <i>Diqiu Huaxue</i> , 2010, 29, 313-318.	0.5	6
93	Induced H ₂ S formation during steam injection recovery process of heavy oil from the Liaohe Basin, NE China. <i>Journal of Petroleum Science and Engineering</i> , 2010, 71, 30-36.	4.2	31
94	Petroleum systems of Chinese nonmarine basins. <i>Basin Research</i> , 2010, 22, 4-16.	2.7	34
95	The effects of calcite and montmorillonite on oil cracking in confined pyrolysis experiments. <i>Organic Geochemistry</i> , 2010, 41, 611-626.	1.8	127
96	Genetic Types of Shallow-Buried Natural Gases and Their Distributions in Sedimentary Basins. , 2009, , .		0
97	Relationship between the later strong gas-charging and the improvement of the reservoir capacity in deep Ordovician carbonate reservoir in Tazhong area, Tarim Basin. <i>Science Bulletin</i> , 2009, 54, 3076-3089.	1.7	41
98	TSR promotes the formation of oil-cracking gases: Evidence from simulation experiments. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 451-455.	0.9	20
99	Discrimination of abiogenic and biogenic alkane gases. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1737-1749.	0.9	45
100	Biogas charging and dissipating process and its accumulation in the Sebei gasfield, Qaidam Basin, China. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 36-44.	0.9	4
101	Formation mechanism and geochemical characteristics of shallow natural gas in heavy oil province, China. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 96-106.	0.9	7
102	Natural gas origins of large and medium-scale gas fields in China sedimentary basins. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1-13.	0.9	44
103	Detection of 2-thiaadamantanes in the oil from Well TZ-83 in Tarim Basin and its geological implication. <i>Science Bulletin</i> , 2008, 53, 396-401.	1.7	32
104	Petroleum geology of the Puguang sour gas field in the Sichuan Basin, SW China. <i>Marine and Petroleum Geology</i> , 2008, 25, 357-370.	3.3	187
105	Two-dimensional gas chromatograms as fingerprints of sour gas-associated oils. <i>Organic Geochemistry</i> , 2008, 39, 1144-1149.	1.8	31
106	The genesis of H ₂ S in the Weiyuan Gas Field, Sichuan Basin and its evidence. <i>Science Bulletin</i> , 2007, 52, 1394-1404.	1.7	30
107	A discussion on gas sources of the Feixianguan Formation H ₂ S-rich giant gas fields in the northeastern Sichuan Basin. <i>Science Bulletin</i> , 2007, 52, 113-124.	1.7	15
108	Discussion of gas enrichment mechanism and natural gas origin in marine sedimentary basin, China. <i>Science Bulletin</i> , 2007, 52, 62-76.	1.7	26

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109	Simulated experiment evidences of the corrosion and reform actions of H ₂ S to carbonate reservoirs: an example of Feixianguan Formation, east Sichuan. Science Bulletin, 2007, 52, 178-183.	1.7	17
110	Fundamental geological elements for the occurrence of Chinese marine oil and gas accumulations. Science Bulletin, 2007, 52, 28-43.	1.7	25
111	The controlling factors and distribution prediction of H ₂ S formation in marine carbonate gas reservoir, China. Science Bulletin, 2007, 52, 150-163.	1.7	30
112	Isotopic evidence of TSR origin for natural gas bearing high H ₂ S contents within the Feixianguan Formation of the northeastern Sichuan Basin, southwestern China. Science in China Series D: Earth Sciences, 2005, 48, 1960.	0.9	103
113	Geochemistry and origin of sour gas accumulations in the northeastern Sichuan Basin, SW China. Organic Geochemistry, 2005, 36, 1703-1716.	1.8	95
114	Origin of the Neogene shallow gas accumulations in the Jiyang Superdepression, Bohai Bay Basin. Organic Geochemistry, 2005, 36, 1650-1663.	1.8	44