

# Haiping Huang

## List of Publications by Year in descending order

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80  
papers

2,775  
citations

186265

28  
h-index

182427

51  
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81  
all docs

81  
docs citations

81  
times ranked

1156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemistry of Palaeozoic marine petroleum from the Tarim Basin, NW China: Part 1. Oil family classification. <i>Organic Geochemistry</i> , 2005, 36, 1204-1214.	1.8	229
2	The controls on the composition of biodegraded oils in the deep subsurface: Part II "Geological controls on subsurface biodegradation fluxes and constraints on reservoir-fluid property prediction. <i>AAPG Bulletin</i> , 2006, 90, 921-938.	1.5	213
3	25-Norhopanes: Formation during biodegradation of petroleum in the subsurface. <i>Organic Geochemistry</i> , 2006, 37, 787-797.	1.8	162
4	Source rock palaeoenvironments and controls on the distribution of dibenzothiophenes in lacustrine crude oils, Bohai Bay Basin, eastern China. <i>Organic Geochemistry</i> , 1999, 30, 1455-1470.	1.8	156
5	A practical biodegradation scale for use in reservoir geochemical studies of biodegraded oils. <i>Organic Geochemistry</i> , 2012, 45, 66-76.	1.8	124
6	The effect of biodegradation on polycyclic aromatic hydrocarbons in reservoir oils from the Liaohe basin, NE China. <i>Organic Geochemistry</i> , 2004, 35, 1619-1634.	1.8	121
7	Geochemistry of Palaeozoic marine petroleum from the Tarim Basin, NW China. Part 2: Maturity assessment. <i>Organic Geochemistry</i> , 2005, 36, 1215-1225.	1.8	120
8	Palaeozoic oil "source correlation in the Tarim Basin, NW China: A review. <i>Organic Geochemistry</i> , 2016, 94, 32-46.	1.8	110
9	Influence of biodegradation on carbazole and benzocarbazole distributions in oil columns from the Liaohe basin, NE China. <i>Organic Geochemistry</i> , 2003, 34, 951-969.	1.8	106
10	A dynamic biodegradation model suggested by petroleum compositional gradients within reservoir columns from the Liaohe basin, NE China. <i>Organic Geochemistry</i> , 2004, 35, 299-316.	1.8	94
11	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
12	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
13	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
14	Biodegradation and origin of oil sands in the Western Canada Sedimentary Basin. <i>Petroleum Science</i> , 2008, 5, 87-94.	4.9	60
15	The influence of biodegradation on resins and asphaltenes in the Liaohe Basin. <i>Organic Geochemistry</i> , 2009, 40, 312-320.	1.8	59
16	Geochemical Significance of Discovery in Cambrian Reservoirs at Well ZS1 of the Tarim Basin, Northwest China. <i>Energy &amp; Fuels</i> , 2015, 29, 1332-1344.	5.1	50
17	The controls on the composition of biodegraded oils in the deep subsurface " Part 4. Destruction and production of high molecular weight non-hydrocarbon species and destruction of aromatic hydrocarbons during progressive in-reservoir biodegradation. <i>Organic Geochemistry</i> , 2017, 114, 57-80.	1.8	48
18	Ultra-deep liquid hydrocarbon exploration potential in cratonic region of the Tarim Basin inferred from gas condensate genesis. <i>Fuel</i> , 2015, 160, 583-595.	6.4	46

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19	Geochemistry of natural gases in deep strata of the Songliao Basin, NE China. <i>International Journal of Coal Geology</i> , 2004, 58, 231-244.	5.0	43
20	Geochemistry of Paleozoic marine petroleum from the Tarim Basin, NW China: Part 5. Effect of maturation, TSR and mixing on the occurrence and distribution of alkylidibenzothiophenes. <i>Organic Geochemistry</i> , 2015, 86, 5-18.	1.8	40
21	Impacts of source input and secondary alteration on the extended tricyclic terpane ratio: A case study from Palaeozoic sourced oils and condensates in the Tarim Basin, NW China. <i>Organic Geochemistry</i> , 2017, 112, 158-169.	1.8	32
22	Induced H <sub>2</sub> 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
23	Geochemistry of alkylbenzenes in the Paleozoic oils from the Tarim Basin, NW China. <i>Organic Geochemistry</i> , 2014, 77, 126-139.	1.8	31
24	Pyrolytically Derived Polycyclic Aromatic Hydrocarbons in Marine Oils from the Tarim Basin, NW China. <i>Energy &amp; Fuels</i> , 2015, 29, 5578-5586.	5.1	31
25	Molecular composition assessment of biodegradation influence at extreme levels – A case study from oil sand bitumen in the Junggar Basin, NW China. <i>Organic Geochemistry</i> , 2017, 103, 31-42.	1.8	31
26	Genetic origin of sour gas condensates in the Paleozoic dolomite reservoirs of the Tazhong Uplift, Tarim Basin. <i>Marine and Petroleum Geology</i> , 2015, 68, 107-119.	3.3	30
27	Geochemistry of Tri- and Tetracyclic Terpanes in the Palaeozoic Oils from the Tarim Basin, Northwest China. <i>Energy &amp; Fuels</i> , 2015, 29, 7014-7025.	5.1	29
28	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
29	Secondary microbial gas formation associated with biodegraded oils from the Liaohe Basin, NE China. <i>Organic Geochemistry</i> , 2014, 68, 39-50.	1.8	28
30	Oil physical status in lacustrine shale reservoirs – A case study on Eocene Shahejie Formation shales, Dongying Depression, East China. <i>Fuel</i> , 2019, 257, 116027.	6.4	28
31	Origin of an unusual heavy oil from the Baiyinchagan depression, Erlian basin, northern China. <i>Marine and Petroleum Geology</i> , 2003, 20, 1-12.	3.3	27
32	Biodegradation of 25-norhopanes in a Liaohe Basin (NE China) oil reservoir. <i>Organic Geochemistry</i> , 2015, 78, 33-43.	1.8	26
33	Secondary hydrocarbon generation potential from heavy oil, oil sand and solid bitumen during the artificial maturation. <i>Organic Geochemistry</i> , 2007, 38, 2024-2035.	1.8	23
34	Geochemical characterization of secondary microbial gas occurrence in the Songliao Basin, NE China. <i>Organic Geochemistry</i> , 2011, 42, 781-790.	1.8	22
35	Impact of anaerobic biodegradation on alkylphenanthrenes in crude oil. <i>Organic Geochemistry</i> , 2013, 61, 6-14.	1.8	21
36	Comparative study between sequential solvent-extraction and multiple isothermal stages pyrolysis: A case study on Eocene Shahejie Formation shales, Dongying Depression, East China. <i>Fuel</i> , 2020, 263, 116591.	6.4	21

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37	Influence of biodegradation on benzocarbazole distributions in reservoir oils. <i>Science Bulletin</i> , 2002, 47, 1734-1739.	1.7	19
38	New insights into the formation mechanism of high hydrogen sulfide-bearing gas condensates: Case study of Lower Ordovician dolomite reservoirs in the Tazhong uplift, Tarim Basin. <i>AAPG Bulletin</i> , 2016, 100, 893-916.	1.5	15
39	The effect of biodegradation on gammacerane in crude oils. <i>Biodegradation</i> , 2017, 28, 313-326.	3.0	15
40	Application of the monoterpane ratio (MTR) to distinguish marine oils from terrigenous oils and infer depositional environment in northern Tarim Basin, China. <i>Organic Geochemistry</i> , 2015, 85, 1-10.	1.8	14
41	Biomarker signatures of Sinian bitumens in the Moxi Gaoshiti bulge of Sichuan Basin, China: Geological significance for paleo-oil reservoirs: Discussion. <i>Precambrian Research</i> , 2018, 314, 487-491.	2.7	14
42	The effect of biodegradation on bound biomarkers released from intermediate-temperature gold-tube pyrolysis of severely biodegraded Athabasca bitumen. <i>Fuel</i> , 2020, 263, 116669.	6.4	14
43	Ratios of low molecular weight alkylbenzenes (C <sub>0</sub> -C <sub>4</sub> ) in Chinese crude oils as indicators of maturity and depositional environment. <i>Organic Geochemistry</i> , 2015, 88, 78-90.	1.8	13
44	Gas generation potential and processes of Athabasca oil sand bitumen from gold tube pyrolysis experiments. <i>Fuel</i> , 2019, 239, 804-813.	6.4	13
45	Maturation Impact on Polyaromatic Hydrocarbons and Organosulfur Compounds in the Carboniferous Keluke Formation from Qaidam Basin, NW China. <i>Energy &amp; Fuels</i> , 2019, 33, 4115-4129.	5.1	12
46	Mixing scenario of a variegated oil in the Dongying Depression, Bohai Bay Basin. <i>Fuel</i> , 2021, 294, 120589.	6.4	11
47	Geochemical characteristics and correlation of continuous charge mixing and biodegradation of heavy oil in southeastern Dongying Sag, Bohai Bay basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 1-12.	4.2	10
48	The acid and neutral nitrogen compounds characterized by negative ESI Orbitrap MS in a heavy oil before and after oxidation. <i>Fuel</i> , 2020, 277, 118085.	6.4	10
49	Novel parameters derived from alkylchrysenes to differentiate severe biodegradation influence on molecular compositions in crude oils. <i>Fuel</i> , 2020, 268, 117366.	6.4	10
50	Thermal maturity parameters derived from tetra-, penta-substituted naphthalenes and organosulfur compounds in highly mature sediments. <i>Fuel</i> , 2021, 288, 119626.	6.4	10
51	An application of exploratory factor analysis in the deconvolution of heavy oil biodegradation, charging and mixing history in southeastern Mexico. <i>Organic Geochemistry</i> , 2021, 151, 104161.	1.8	10
52	Correlation of Maturity Parameters Derived from Methylphenanthrenes and Methylthiophenes in the Carboniferous Source Rocks from Qaidam Basin, NW China. <i>Geofluids</i> , 2019, 2019, 1-12.	0.7	9
53	Secondary alteration of ancient Shuntuoguole oil reservoirs, Tarim Basin, NW China. <i>Marine and Petroleum Geology</i> , 2020, 111, 202-218.	3.3	9
54	Methylation and demethylation of naphthalene homologs in highly thermal mature sediments. <i>Organic Geochemistry</i> , 2022, 163, 104343.	1.8	8

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55	The distribution of and biodegradation impact on spilled oil in sediments from Dalian Bay, NE China. <i>Marine Pollution Bulletin</i> , 2018, 135, 1007-1015.	5.0	7
56	Experimental Simulation of Hydrocarbon Expulsion in Semi-open Systems from Variable Organic Richness Source Rocks. <i>ACS Omega</i> , 2021, 6, 14664-14676.	3.5	7
57	A novel biodegradation parameter derived from bicyclic sesquiterpanes for assessing moderate levels of petroleum biodegradation. <i>Organic Geochemistry</i> , 2020, 147, 104049.	1.8	7
58	On the determination of oil charge history and the practical application of molecular maturity markers. <i>Marine and Petroleum Geology</i> , 2022, 139, 105586.	3.3	7
59	Ferrocene addition for suppression of hydrogen sulfide formation during thermal recovery of oil sand bitumen. <i>Energy</i> , 2021, 230, 120744.	8.8	6
60	Impact of Maturation on the Validity of Paleoenvironmental Indicators: Implication for Discrimination of Oil Genetic Types in Lacustrine Shale Systems. <i>Energy &amp; Fuels</i> , 2020, 34, 6962-6973.	5.1	5
61	A reversed compositional pseudo-gradient in biodegraded oil column from Liaohe Basin, NE China. <i>Marine and Petroleum Geology</i> , 2020, 117, 104378.	3.3	5
62	Change in diagnostic ratios in expelled oils and residual extracts during semi-open pyrolysis experiments of an organic-rich shale. <i>Environmental Pollution</i> , 2022, 302, 119058.	7.5	5
63	Molecular Composition Characterization of Oilsand Heating Experiments to Investigate Steam-Solvent Effects and Chemical Reactions during Thermal Recovery. <i>Energy &amp; Fuels</i> , 2021, 35, 9917-9929.	5.1	4
64	Applicability of Carbazole Migration Indices in Continental Rift Basins: A Case Study of Western Lujiapu Depression in Kailu Basin, NE China. <i>Acta Geologica Sinica</i> , 2010, 84, 632-642.	1.4	3
65	Novel Thermal Maturity Parameters Derived from Alkylbiphenyls and Alkyldiphenylmethanes. <i>Energy &amp; Fuels</i> , 2019, 33, 8491-8502.	5.1	3
66	Biodegradation influence on alkylphenanthrenes in oils from Bongor Basin, SW Chad. <i>Scientific Reports</i> , 2019, 9, 12960.	3.3	3
67	Carbon and hydrogen isotopic variations in gold tube gas pyrolysates from an Athabasca oil sand. <i>Organic Geochemistry</i> , 2020, 148, 104082.	1.8	3
68	Unusual occurrence of alkyl-naphthalene isomers in upper Eocene to Oligocene sediments from the western margin of Tasmania, Australia. <i>Organic Geochemistry</i> , 2022, 168, 104418.	1.8	3
69	Investigation on Oil Physical States of Hybrid Shale Oil System: A Case Study on Cretaceous Second White Speckled Shale Formation from Highwood River Outcrop, Southern Alberta. <i>Minerals (Basel)</i> , 2021, 11, 1078.	0.78	1
70	Quaternary exhumation history of the NE Tibetan Plateau revealed by peculiar distributions of polycyclic aromatic hydrocarbons in core extracts from the Sanhu depression, eastern Qaidam basin. <i>Journal of Quaternary Science</i> , 2020, 35, 869-880.	2.1	2
71	Controls on Organic Matter Accumulation of the Triassic Yanchang Formation Lacustrine Shales in the Ordos Basin, North China. <i>ACS Omega</i> , 2021, 6, 26048-26064.	3.5	2
72	Differential Thermal Evolution between Oil and Source Rocks in the Carboniferous Shale Reservoir of the Qaidam Basin, NW China. <i>Energies</i> , 2021, 14, 7088.	3.1	2

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73	A novel redox indicator based on relative abundances of C31 and C32 homohopanes in the Eocene lacustrine Dongying Depression, East China. <i>Petroleum Science</i> , 2022, 19, 1494-1504.	4.9	2
74	Thermal stability and parameter validity of hopane series in mature shales – A case study from Dongying Depression, eastern China. <i>Fuel</i> , 2022, 315, 123222.	6.4	2
75	Acetate, DIC and $\delta^{13}\text{C}_{\text{DIC}}$ evidence for acetoclastic methanogenesis in Songliao Basin, NE China. <i>Journal of Petroleum Science and Engineering</i> , 2015, 131, 177-183.	4.2	1
76	Chemometric Classification of Oil Families in the Laizhouwan Depression, Bohai Bay Basin, Eastern China. <i>ACS Omega</i> , 2021, 6, 24106-24117.	3.5	1
77	Differences of Pore Features in Marine Shales between Lower Cambrian and Lower Silurian Formations of Upper Yangtze Area, South China. <i>Energies</i> , 2022, 15, 820.	3.1	1
78	The effect of biodegradation on bound aromatic hydrocarbons released from intermediate-temperature gold-tube pyrolysis of severely biodegraded Athabasca bitumen. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 163, 105497.	5.5	1
79	Thermal Maturation Regime Revisited in the Dongying Depression, Bohai Bay Basin, East China. <i>Geofluids</i> , 2021, 2021, 1-17.	0.7	0
80	Pitfalls of Using Biomarker Maturity Parameters for Organic Matter Maturity Assessment Suggested by Coal Hydrous Pyrolysis. <i>Energies</i> , 2022, 15, 2595.	3.1	0