

# Zuozhen Han

## List of Publications by Year in descending order

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99  
papers

2,226  
citations

185998

28  
h-index

264894

42  
g-index

100  
all docs

100  
docs citations

100  
times ranked

1135  
citing authors

#	ARTICLE	IF	CITATIONS
1	New ages of Early Cretaceous magmatic rocks in the Yanbian area (NE China): implications for the subduction and slab rollback of the Paleo-Pacific Plate beneath eastern China during Early Cretaceous. <i>International Geology Review</i> , 2023, 65, 154-178.	1.1	1
2	The origin of hyperpycnites in the Middle-Late Triassic Yanchang Fm. (Ordos Basin, China) and their significance for the formation of unconventional hydrocarbons. , 2022, , 337-352.		0
3	Middle-Late Triassic muddy gravity-flow deposits in the Ordos Basin (China). , 2022, , 395-409.		0
4	The influence of diagenesis on low-porosity, low-permeability gas reservoirs in the Sulige Gas Field (Ordos Basin, China). , 2022, , 191-215.		1
5	Facies shifts in the Ordos Basin (China) along the southern and western margins of the North China Plate as a result of plate tectonics. , 2022, , 91-106.		0
6	High Mg/Ca Molar Ratios Promote Protodolomite Precipitation Induced by the Extreme Halophilic Bacterium <i>Vibrio harveyi</i> QPL2. <i>Frontiers in Microbiology</i> , 2022, 13, 821968.	1.5	12
7	Calcium ion biorecovery from industrial wastewater by <i>Bacillus amyloliquefaciens</i> DMS6. <i>Chemosphere</i> , 2022, 298, 134328.	4.2	5
8	Difference in calcium ion precipitation between free and immobilized <i>Halovibrio mesolongii</i> HMY2. <i>Journal of Environmental Sciences</i> , 2022, 122, 184-200.	3.2	7
9	Biominalization of Carbonates Induced by <i>Mucilaginibacter gossypii</i> HFF1: Significant Role of Biochemical Parameters. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 614.	0.8	0
10	Bio-Precipitation of Calcium Ions Induced by Free and Immobilized <i>Virgibacillus dokdonensis</i> WLR1 in Hypersaline Wastewater. <i>Geomicrobiology Journal</i> , 2022, 39, 705-721.	1.0	2
11	Amorphous and Crystalline Carbonate Biominalization in Cyanobacterial Biofilms Induced by <i>Synechocystis</i> sp. PCC6803 Cultured in $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ – $\text{MgCl}_2 \cdot 2\text{H}_2\text{O}$ – $\text{SrCl}_2 \cdot 2\text{H}_2\text{O}$ Mediums. <i>Geomicrobiology Journal</i> , 2022, 39, 767-780.	1.0	0
12	Age, provenance and geological significance of (meta)–sedimentary rocks in the Yitong–Gongzhuling area, NE China: Constraints from zircon U–Pb geochronology. <i>Journal of Mineralogical and Petrological Sciences</i> , 2022, 117, n/a.	0.4	1
13	Effects of Chloride, Sulfate and Magnesium Ions on the Biominalization of Calcium Carbonate Induced by <i>Lysinibacillus xylanilyticus</i> DB1-12. <i>Geomicrobiology Journal</i> , 2022, 39, 852-866.	1.0	1
14	Petrogenesis, Magma Source, and Geodynamics of Paleogene Mafic Rocks, Huimin Sag, Jiyang Depression, Eastern China. <i>Geofluids</i> , 2022, 2022, 1-18.	0.3	0
15	Extreme halophilic bacteria promote the surface dolomitization of calcite crystals in solutions with various magnesium concentrations. <i>Chemical Geology</i> , 2022, 606, 120998.	1.4	12
16	Source–reservoir relationships and hydrocarbon charging history in the central uplift of the south Yellow Sea basin (East Asia): Constrained by machine learning procedure and basin modeling. <i>Marine and Petroleum Geology</i> , 2021, 123, 104731.	1.5	6
17	Petrogenesis of Silurian ultramafic–mafic plutons in southern Jiangxi: implications for the Wuyi–Yunkai orogen, South China. <i>Geological Magazine</i> , 2021, 158, 1237-1252.	0.9	2
18	The Late Triassic Molasse Deposits in Central Jilin Province, NE China: Constraints on the Paleo-Asian Ocean Closure. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 223.	0.8	3

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19	Extracellular, Surface, and Intracellular Biomineralization of <i>Bacillus subtilis</i> Daniel-1 Bacteria. <i>Geomicrobiology Journal</i> , 2021, 38, 698-708.	1.0	9
20	Selective Adsorption of Amino Acids in Crystals of Monohydrocalcite Induced by the Facultative Anaerobic <i>Enterobacter ludwigii</i> SYB1. <i>Frontiers in Microbiology</i> , 2021, 12, 696557.	1.5	7
21	Recovery of phosphate, magnesium and ammonium from eutrophic water by struvite biomineralization through free and immobilized <i>Bacillus cereus</i> MRR2. <i>Journal of Cleaner Production</i> , 2021, 320, 128796.	4.6	20
22	Comparative study on thermal behaviors between micrites and thrombolites using thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1229-1242.	2.0	4
23	Late Mesozoic and Cenozoic tectono-thermal history and geodynamic implications of the Great Xing'an Range, NE China. <i>Journal of Asian Earth Sciences</i> , 2020, 189, 104155.	1.0	37
24	The bio-precipitation of calcium and magnesium ions by free and immobilized <i>Lysinibacillus fusiformis</i> DB1-3 in the wastewater. <i>Journal of Cleaner Production</i> , 2020, 252, 119826.	4.6	40
25	Intracellular and Extracellular Biomineralization Induced by <i>Klebsiella pneumoniae</i> LH1 Isolated from Dolomites. <i>Geomicrobiology Journal</i> , 2020, 37, 262-278.	1.0	11
26	Calcimicrobes in Cambrian microbialites (Shandong, North China) and comparison with experimentally produced biomineralization precipitates. <i>Carbonates and Evaporites</i> , 2020, 35, 1.	0.4	6
27	Geochemistry and Zircon U-Pb-Hf Isotopes of Metamorphic Rocks from the Kaiyuan and Hulan Tectonic Massifs, NE China: Implications for the Tectonic Evolution of the Paleo-Asian and Mudanjiang Oceans. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 836.	0.8	6
28	Bio-Precipitation of Carbonate and Phosphate Minerals Induced by the Bacterium <i>Citrobacter freundii</i> ZW123 in an Anaerobic Environment. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 65.	0.8	13
29	Comparison of Geochemical and Mineralogical Characteristics of Palaeogene Oil Shales and Coals from the Huangxian Basin, Shandong Province, East China. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 496.	0.8	0
30	Spatial variation in carbonate carbon isotopes during the Cambrian SPICE event across the eastern North China Platform. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 546, 109669.	1.0	12
31	Structural modifications and thermodynamic characteristics of calcite growth during interaction with biomolecular glycine: new insights into biogenesis. <i>Carbonates and Evaporites</i> , 2020, 35, 1.	0.4	0
32	Hydrocarbon Generation Evaluation, Burial History, and Thermal Maturity of the Lower Triassic-Silurian Organic-Rich Sedimentary Rocks in the Central Uplift of the South Yellow Sea Basin, East Asia. <i>Energy &amp; Fuels</i> , 2020, 34, 4565-4578.	2.5	22
33	Geochronology and geochemistry of Permo-Triassic sandstones in eastern Jilin Province (NE China): Implications for final closure of the Paleo-Asian Ocean. <i>Geoscience Frontiers</i> , 2019, 10, 683-704.	4.3	51
34	Constraints of zircon U-Pb-Hf isotopes from Late Permian-Middle Triassic flora-bearing strata in the Yanbian area (NE China) on a scissor-like closure model of the Paleo-Asian Ocean. <i>Journal of Asian Earth Sciences</i> , 2019, 183, 103964.	1.0	21
35	Bio-Precipitation of Calcium and Magnesium Ions through Extracellular and Intracellular Process Induced by <i>Bacillus licheniformis</i> SRB2. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 526.	0.8	22
36	Mechanism of Biomineralization Induced by <i>Bacillus subtilis</i> J2 and Characteristics of the Biominerals. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 218.	0.8	52

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37	Early-Middle Ordovician intermediate-mafic and ultramafic rocks in central Jilin Province, NE China: geochronology, origin, and tectonic implications. <i>Mineralogy and Petrology</i> , 2019, 113, 393-415.	0.4	16
38	Climatic and tectonic controls of lacustrine hyperpycnite origination in the Late Triassic Ordos Basin, central China: Implications for unconventional petroleum development: Reply. <i>AAPG Bulletin</i> , 2019, 103, 511-514.	0.7	6
39	Cementation and porosity evolution of tight sandstone reservoirs in the Permian Sulige gas field, Ordos Basin (central China). <i>Marine and Petroleum Geology</i> , 2019, 103, 276-293.	1.5	49
40	Biom mineralization of Monohydrocalcite Induced by the Halophile <i>Halomonas smyrnensis</i> WMSâ€³. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 632.	0.8	26
41	Flash flood as an effective pebble transport mechanism: a case study from the Permian Sulige Gas Field, Ordos Basin, China. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	2
42	From divergent to convergent plates: Resulting facies shifts along the southern and western margins of the Sino-Korean Plate during the Ordovician. <i>Journal of Geodynamics</i> , 2019, 129, 149-161.	0.7	32
43	Source analysis of quartz from the Upper Ordovician and Lower Silurian black shale and its effects on shale gas reservoir in the southern Sichuan Basin and its periphery, China. <i>Geological Journal</i> , 2019, 54, 438-449.	0.6	43
44	Classification of gravity-flow deposits and their significance for unconventional petroleum exploration, with a case study from the Triassic Yanchang Formation (southern Ordos Basin, China). <i>Journal of Asian Earth Sciences</i> , 2018, 161, 57-73.	1.0	52
45	Zircon Uâ€“Pb geochronology and geochemistry of the post-collisional volcanic rocks in eastern Xinjiang Province, NW China: implications for the tectonic evolution of the Junggar terrane. <i>International Geology Review</i> , 2018, 60, 339-364.	1.1	25
46	A comparison of amorphous calcium carbonate crystallization in aqueous solutions of MgCl <sub>2</sub> and MgSO <sub>4</sub> : implications for paleo-ocean chemistry. <i>Mineralogy and Petrology</i> , 2018, 112, 229-244.	0.4	11
47	Extracellular and Intracellular Biom mineralization Induced by <i>Bacillus licheniformis</i> DB1-9 at Different Mg/Ca Molar Ratios. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 585.	0.8	26
48	The Significant Roles of Mg/Ca Ratio, Clâ” and SO <sub>4</sub> <sup>2-</sup> in Carbonate Mineral Precipitation by the Halophile <i>Staphylococcus epidermis</i> Y2. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 594.	0.8	31
49	Calcite precipitation induced by <i>Bacillus cereus</i> MRR2 cultured at different Ca <sup>2+</sup> concentrations: Further insights into biotic and abiotic calcite. <i>Chemical Geology</i> , 2018, 500, 64-87.	1.4	87
50	Depositional processes and environmental changes during initial flooding of an epeiric platform: Liguang Formation (Cambrian Series 2), Shandong Province, China. <i>Geosciences Journal</i> , 2018, 22, 903-919.	0.6	6
51	The influence of hyperpycnal flows on the salinity of deep-marine environments, and implications for the interpretation of marine facies. <i>Marine and Petroleum Geology</i> , 2018, 98, 1-11.	1.5	26
52	Uâ€“Pb ages and Hf isotopic composition of zircons and whole rock geochemistry of volcanic rocks from the Fangniugou area: Implications for earlyâ€“middle Paleozoic tectonic evolution in Jilin Province, NE China. <i>Journal of Mineralogical and Petrological Sciences</i> , 2018, 113, 10-23.	0.4	13
53	Mineral compositional controls on the porosity of black shales from the Wufeng and Longmaxi Formations (Southern Sichuan Basin and its surroundings) and insights into shale diagenesis. <i>Energy Exploration and Exploitation</i> , 2018, 36, 665-685.	1.1	5
54	The Characterization of Intracellular and Extracellular Biom mineralization Induced by <i>Synechocystis sp.</i> PCC6803 Cultured under Low Mg/Ca Ratios Conditions. <i>Geomicrobiology Journal</i> , 2017, 34, 362-373.	1.0	27

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55	Thermogravimetric and kinetic analysis of thermal decomposition characteristics of microbial calcites induced by cyanobacteria <i>Synechocystis</i> sp. PCC6803. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 1371-1379.	2.0	21
56	Climatic and tectonic controls of lacustrine hyperpycnite origination in the Late Triassic Ordos Basin, central China: Implications for unconventional petroleum development. <i>AAPG Bulletin</i> , 2017, 101, 95-117.	0.7	143
57	Calcium carbonate precipitation by <i>Synechocystis</i> sp. PCC6803 at different Mg/Ca molar ratios under the laboratory condition. <i>Carbonates and Evaporites</i> , 2017, 32, 561-575.	0.4	34
58	Lithofacies and origin of the Late Triassic muddy gravity-flow deposits in the Ordos Basin, central China. <i>Marine and Petroleum Geology</i> , 2017, 85, 194-219.	1.5	96
59	A Marine or Continental Nature of the Deltas in the Early Cretaceous Lingshanda Formation-Evidences from Trace Elements. <i>Acta Geologica Sinica</i> , 2017, 91, 367-368.	0.8	31
60	Geochemistry and geochronology of Upper Permian–Upper Triassic volcanic rocks in eastern Jilin Province, NE China: implications for the tectonic evolution of the Palaeo-Asian Ocean. <i>International Geology Review</i> , 2017, 59, 368-390.	1.1	42
61	C <sub>5</sub> –C <sub>13</sub> light hydrocarbons of crude oils from northern Halahatang oilfield (Tarim Basin, NW China) characterized by comprehensive two-dimensional gas chromatography. <i>Journal of Petroleum Science and Engineering</i> , 2017, 157, 223-231.	2.1	38
62	Isolation of <i>Leclercia adcarboxylata</i> Strain JLS1 from Dolostone Sample and Characterization of its Induced Struvite Minerals. <i>Geomicrobiology Journal</i> , 2017, 34, 500-510.	1.0	18
63	Basin modeling in the initial stage of exploration: a case study from the North Subbasin of the South Yellow Sea Basin. <i>Acta Oceanologica Sinica</i> , 2017, 36, 65-78.	0.4	23
64	New Evidence of Detrital Zircon Ages for the Final Closure Time of the Paleo-Asian Ocean in the Eastern Central Asian Orogenic Belt (NE China). <i>Acta Geologica Sinica</i> , 2017, 91, 1910-1914.	0.8	15
65	Precipitation of Carbonate Minerals Induced by the Halophilic <i>Chromohalobacter israelensis</i> under High Salt Concentrations: Implications for Natural Environments. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 95.	0.8	26
66	Soft-sediment deformation structures in cores from lacustrine slurry deposits of the Late Triassic Yanchang Fm. (central China). <i>Geologos</i> , 2016, 22, 201-211.	0.2	8
67	Construction of Time-Space Structure Model of Deep Slope and Stability Analysis. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 2633-2639.	0.6	25
68	Cambrian oncoids and other microbial-related grains on the North China Platform. <i>Carbonates and Evaporites</i> , 2015, 30, 373-386.	0.4	25
69	Struvite Precipitation Induced by a Novel Sulfate-Reducing Bacterium <i>Acinetobacter calcoaceticus</i> SRB4 Isolated from River Sediment. <i>Geomicrobiology Journal</i> , 2015, 32, 868-877.	1.0	26
70	Bio-precipitation of Calcite with Preferential Orientation Induced by <i>Synechocystis</i> sp. PCC6803. <i>Geomicrobiology Journal</i> , 2014, 31, 884-899.	1.0	34
71	FURONGIAN (LATE CAMBRIAN) SPONGE-MICROBIAL MAZE-LIKE REEFS IN THE NORTH CHINA PLATFORM. <i>Palaios</i> , 2014, 29, 27-37.	0.6	67
72	Depositional and Diagenetic Controls on Sandstone Reservoirs with Low Porosity and Low Permeability in the Eastern Sulige Gas Field, China. <i>Acta Geologica Sinica</i> , 2014, 88, 1513-1534.	0.8	47

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73	Characterization of calcium deposition induced by <i>Synechocystis</i> sp. PCC6803 in BG11 culture medium. <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 503-510.	0.7	20
74	Precipitation of calcite induced by <i>Synechocystis</i> sp. PCC6803. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1801-1811.	1.7	21
75	Controlling of cements and physical property of sandstone by fault as observed in well Xia503 of Huimin sag, Linnan sub-depression. <i>Science China Earth Sciences</i> , 2013, 56, 1942-1952.	2.3	11
76	Characteristics and genesis of microbial lumps in the Maozhuang Stage (Cambrian Series 2), Shandong Province, China. <i>Science China Earth Sciences</i> , 2013, 56, 494-503.	2.3	19
77	Origin of the vertically orientated clasts in brecciated shallow-marine limestones of the Chaomidian Formation (Furongian, Shandong Province, China). <i>Sedimentology</i> , 2013, 60, 1059-1070.	1.6	29
78	Slide origin of breccia lenses in the Cambrian of the North China Platform: new insight into mass transport in an epeiric sea. <i>Geologos</i> , 2012, 18, 223-235.	0.2	9
79	Diagenesis and porosity evolution of sandstone reservoirs in the East II part of Sulige gas field, Ordos Basin. <i>International Journal of Mining Science and Technology</i> , 2012, 22, 311-316.	4.6	43
80	Sequence-stratigraphic comparison of the upper Cambrian Series 3 to Furongian succession between the Shandong region, China and the Taebaek area, Korea: high variability of bounding surfaces in an epeiric platform. <i>Geosciences Journal</i> , 2012, 16, 357-379.	0.6	46
81	Formation Mechanisms of Paleogene Igneous Rock Plays in Huimin Sag, Eastern China. <i>Energy Exploration and Exploitation</i> , 2011, 29, 455-478.	1.1	9
82	Geochemical characteristics of aromatic hydrocarbons in crude oils from the Linnan Subsag, Shandong Province, China. <i>Diqiu Huaxue</i> , 2011, 30, 132-137.	0.5	7
83	Geochemistry and origin of deep-seated cracked gas on the northern slope of the Dongying Sag, Shandong Province. <i>Diqiu Huaxue</i> , 2011, 30, 353-358.	0.5	2
84	An extensive erosion surface of a strongly deformed limestone bed in the Gushan and Chaomidian formations (late Middle Cambrian to Furongian), Shandong Province, China: Sequence-stratigraphic implications. <i>Sedimentary Geology</i> , 2011, 233, 129-149.	1.0	88
85	A stem-group cnidarian described from the mid-Cambrian of China and its significance for cnidarian evolution. <i>Nature Communications</i> , 2011, 2, 442.	5.8	47
86	Huimin Brush Structural System and Its Influence on Sedimentation and Reservoir Formation. , 2011, , .		0
87	High-Resolution Sequence Stratigraphy in the Lower Member of Es2 in Shanghe Oilfield. , 2011, , .		0
88	Cambrian stratigraphy of the North China Platform: revisiting principal sections in Shandong Province, China. <i>Geosciences Journal</i> , 2010, 14, 235-268.	0.6	78
89	Early diagenetic deformation structures of the Furongian ribbon rocks in Shandong Province of China—A new perspective of the genesis of limestone conglomerates. <i>Science China Earth Sciences</i> , 2010, 53, 241-252.	2.3	43
90	Distribution of heavy metals in the topsoil of the Jining mining area. <i>Mining Science and Technology</i> , 2010, 20, 395-399.	0.3	2

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91	Provenance of the lower Es2 in the Shanghe area of the Huimin sag. Mining Science and Technology, 2010, 20, 453-459.	0.3	3
92	Heavy Metals Distribution Pattern in Coal Gangue. , 2009, , .		1
93	Research of Reservoir Sedimentary Microfacies of Lower Member Es2 in Shanghe Oilfield. , 2009, , .		0
94	Limestone pseudoconglomerates in the Late Cambrian Gushan and Chaomidian Formations (Shandong) Tj ETQq0 0 0 rgBT /Overlock 10 1174-1195.	1.6	68
95	Funnel-shaped, breccia-filled clastic dykes in the Late Cambrian Chaomidian Formation (Shandong) Tj ETQq1 1 0.784314 rgBT /Overlock 1.0	1.0	46
96	Two middle Cambrian trilobite genera, <i>Cyclolorenzella</i> Kobayashi, 1960 and <i>Jiulongshania</i> gen. nov., from Korea and China. Alcheringa, 2008, 32, 247-269.	0.5	15
97	Ontogeny of the Middle Cambrian Trilobite <i>Shantungia spinifera</i> Walcott, 1905 from North China and Its Taxonomic Significance. Journal of Paleontology, 2008, 82, 851-855.	0.5	13
98	Research on diagenesis of the sandstone-type uranium deposits in Dongsheng area, Ordos Basin. Science in China Series D: Earth Sciences, 2007, 50, 195-202.	0.9	11
99	Coexistence and inherence of diverse energy resources in the Ordos Basin, China. Diqiu Huaxue, 2006, 25, 386-390.	0.5	1