

# Ganqing Jiang

## List of Publications by Year in descending order

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85  
papers

7,535  
citations

46984

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56687

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88  
docs citations

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times ranked

3247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrochronologic calibration of the Shuram carbon isotope excursion with new data from South China. <i>Global and Planetary Change</i> , 2022, 209, 103749.	1.6	12
2	Chromium isotope evidence for oxygenation events in the Ediacaran ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 323, 258-275.	1.6	8
3	A transient peak in marine sulfate after the 635-Ma snowball Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117341119.	3.3	12
4	Global cooling initiated the Middle-Late Mississippian biodiversity crisis. <i>Global and Planetary Change</i> , 2022, 215, 103852.	1.6	11
5	Thallium isotope ratios in shales from South China and northwestern Canada suggest widespread O <sub>2</sub> accumulation in marine bottom waters was an uncommon occurrence during the Ediacaran Period. <i>Chemical Geology</i> , 2020, 557, 119856.	1.4	25
6	Transient shallow-ocean oxidation associated with the late Ediacaran Nama skeletal fauna: Evidence from iodine contents of the Lower Nama Group, southern Namibia. <i>Precambrian Research</i> , 2020, 343, 105732.	1.2	12
7	Iodine records from the Ediacaran Doushantuo cap carbonates of the Yangtze Block, South China. <i>Precambrian Research</i> , 2020, 347, 105843.	1.2	7
8	Multiple negative molybdenum isotope excursions in the Doushantuo Formation (South China) fingerprint complex redox-related processes in the Ediacaran Nanhua Basin. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 191-209.	1.6	52
9	A pulse of oxygen increase in the early Mesoproterozoic ocean at ca. 1.57–1.56 Ga. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115797.	1.8	73
10	Chemostratigraphic correlations across the first major trilobite extinction and faunal turnovers between Laurentia and South China. <i>Scientific Reports</i> , 2019, 9, 17392.	1.6	9
11	Subglacial meltwater supported aerobic marine habitats during Snowball Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25478-25483.	3.3	23
12	Iodine content of the carbonates from the Doushantuo Formation and shallow ocean redox change on the Ediacaran Yangtze Platform, South China. <i>Precambrian Research</i> , 2019, 322, 160-169.	1.2	36
13	Stratiform siderites from the Mesoproterozoic Xiamaling Formation in North China: Genesis and environmental implications. <i>Gondwana Research</i> , 2018, 58, 1-15.	3.0	37
14	The Tonian Beck Spring Dolomite: Marine dolomitization in a shallow, anoxic sea. <i>Sedimentary Geology</i> , 2018, 368, 83-104.	1.0	55
15	Paired carbonate-organic carbon and nitrogen isotope variations in Lower Mississippian strata of the southern Great Basin, western United States. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 490, 462-472.	1.0	15
16	Cyclostratigraphic constraints on the duration of the Datangpo Formation and the onset age of the Nantuo (Marinoan) glaciation in South China. <i>Earth and Planetary Science Letters</i> , 2018, 483, 52-63.	1.8	103
17	Nitrogen isotope constraints on the early Ediacaran ocean redox structure. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 220-235.	1.6	51
18	Sulfur isotope change across the Early Mississippian K <sup>40</sup> O (Kinderhookian–Osagean) <sup>13</sup> C excursion. <i>Earth and Planetary Science Letters</i> , 2018, 494, 202-215.	1.8	13

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19	Sunspot cycles recorded in siliciclastic biolaminites at the dawn of the Neoproterozoic Sturtian glaciation in South China. <i>Precambrian Research</i> , 2018, 315, 75-91.	1.2	12
20	New U-Pb age constraints on the upper Banxi Group and synchrony of the Sturtian glaciation in South China. <i>Geoscience Frontiers</i> , 2017, 8, 1161-1173.	4.3	39
21	Zinc isotope evidence for intensive magmatism immediately before the end-Permian mass extinction. <i>Geology</i> , 2017, 45, 343-346.	2.0	90
22	Perspectives on Proterozoic surface ocean redox from iodine contents in ancient and recent carbonate. <i>Earth and Planetary Science Letters</i> , 2017, 463, 159-170.	1.8	172
23	Whole rock and discrete pyrite geochemistry as complementary tracers of ancient ocean chemistry: An example from the Neoproterozoic Doushantuo Formation, China. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 201-220.	1.6	57
24	Formation of shallow-water glaucony in weakly oxygenated Precambrian ocean: An example from the Mesoproterozoic Tieling Formation in North China. <i>Precambrian Research</i> , 2017, 294, 214-229.	1.2	37
25	Ferruginous seawater facilitates the transformation of glauconite to chamosite: An example from the Mesoproterozoic Xiamaling Formation of North China. <i>American Mineralogist</i> , 2017, 102, 2317-2332.	0.9	43
26	The onset of widespread marine red beds and the evolution of ferruginous oceans. <i>Nature Communications</i> , 2017, 8, 399.	5.8	86
27	New biostratigraphic and chemostratigraphic data from the Ediacaran Doushantuo Formation in intra-shelf and upper slope facies of the Yangtze platform: Implications for biozonation of acanthomorphic acritarchs in South China. <i>Precambrian Research</i> , 2017, 300, 28-39.	1.2	23
28	Oceanic oxygenation events in the anoxic Ediacaran ocean. <i>Geobiology</i> , 2016, 14, 457-468.	1.1	241
29	Extremely low oxygen concentration in mid-Proterozoic shallow seawaters. <i>Precambrian Research</i> , 2016, 276, 145-157.	1.2	91
30	Paired carbonate and organic carbon isotope variations of the Ediacaran Doushantuo Formation from an upper slope section at Siduping, South China. <i>Precambrian Research</i> , 2016, 273, 53-66.	1.2	79
31	Uranium and molybdenum isotope evidence for an episode of widespread ocean oxygenation during the late Ediacaran Period. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 173-193.	1.6	222
32	Neogene marine isotopic evolution and the erosion of Lesser Himalayan strata: Implications for Cenozoic tectonic history. <i>Earth and Planetary Science Letters</i> , 2015, 417, 142-150.	1.8	48
33	Organomineralization in Mesoproterozoic giant ooids. <i>Journal of Asian Earth Sciences</i> , 2015, 107, 195-211.	1.0	22
34	Stratigraphic position of the Ediacaran Miaohu biota and its constraints on the age of the upper Doushantuo $\delta^{13}\text{C}$ anomaly in the Yangtze Gorges area, South China. <i>Precambrian Research</i> , 2015, 271, 243-253.	1.2	97
35	Mass-occurrence of oncoids at the Cambrian Series 2–Series 3 transition: Implications for microbial resurgence following an Early Cambrian extinction. <i>Gondwana Research</i> , 2015, 28, 432-450.	3.0	30
36	New paleomagnetic results from the Ediacaran Doushantuo Formation in South China and their paleogeographic implications. <i>Precambrian Research</i> , 2015, 259, 130-142.	1.2	112

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37	Icehouseâ€“greenhouse variations in marine denitrification. <i>Biogeosciences</i> , 2014, 11, 1273-1295.	1.3	112
38	Widespread contamination of carbonate-associated sulfate by present-day secondary atmospheric sulfate: Evidence from triple oxygen isotopes. <i>Geology</i> , 2014, 42, 815-818.	2.0	49
39	Sunspot cycles recorded in Mesoproterozoic carbonate biolaminites. <i>Precambrian Research</i> , 2014, 248, 1-16.	1.2	27
40	Cyclostratigraphy and orbital tuning of the terrestrial upper Santonianâ€“Lower Danian in Songliao Basin, northeastern China. <i>Earth and Planetary Science Letters</i> , 2014, 407, 82-95.	1.8	119
41	Organic carbon isotope gradient and ocean stratification across the late Ediacaran-Early Cambrian Yangtze Platform. <i>Science China Earth Sciences</i> , 2014, 57, 919-929.	2.3	44
42	Mesoproterozoic biogenic thrombolites from the North China platform. <i>International Journal of Earth Sciences</i> , 2013, 102, 401-413.	0.9	27
43	Astrochronology of the Early Turonianâ€“Early Campanian terrestrial succession in the Songliao Basin, northeastern China and its implication for long-period behavior of the Solar System. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 385, 55-70.	1.0	126
44	Greigite from carbonate concretions of the Ediacaran Doushantuo Formation in South China and its environmental implications. <i>Precambrian Research</i> , 2013, 225, 77-85.	1.2	18
45	Paleomagnetism of the late Cryogenian Nantuo Formation and paleogeographic implications for the South China Block. <i>Journal of Asian Earth Sciences</i> , 2013, 72, 164-177.	1.0	96
46	Astrochronology for the Early Cretaceous Jehol Biota in northeastern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 385, 221-228.	1.0	29
47	MICROFABRICS IN MESOPROTEROZOIC MICRODIGITATE STROMATOLITES: EVIDENCE OF BIOGENICITY AND ORGANOMINERALIZATION AT MICRON AND NANOMETER SCALES. <i>Palaios</i> , 2013, 28, 178-194.	0.6	23
48	Time-calibrated Milankovitch cycles for the late Permian. <i>Nature Communications</i> , 2013, 4, 2452.	5.8	135
49	Pyrite morphology and redox fluctuations recorded in the Ediacaran Doushantuo Formation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 333-334, 218-227.	1.0	62
50	Integrated chemostratigraphy of the Doushantuo Formation at the northern Xiaofenghe section (Yangtze Gorges, South China) and its implication for Ediacaran stratigraphic correlation and ocean redox models. <i>Precambrian Research</i> , 2012, 192-195, 125-141.	1.2	93
51	New Uâ€“Pb age from the basal Niutitang Formation in South China: Implications for diachronous development and condensation of stratigraphic units across the Yangtze platform at the Ediacaranâ€“Cambrian transition. <i>Journal of Asian Earth Sciences</i> , 2012, 48, 1-8.	1.0	104
52	The origin of decoupled carbonate and organic carbon isotope signatures in the early Cambrian (ca.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	187
53	Diagenetic evaluation of a Pennsylvanian carbonate succession (Bird Spring Formation, Arrow) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 26-39.	1.4	60
54	Ocean oxygenation in the wake of the Marinoan glaciation. <i>Nature</i> , 2012, 489, 546-549.	13.7	420

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55	Milankovitch and sub-Milankovitch cycles of the early Triassic Daye Formation, South China and their geochronological and paleoclimatic implications. <i>Gondwana Research</i> , 2012, 22, 748-759.	3.0	83
56	Morphological Association of Microbially Induced Sedimentary Structures (MISS) as a Paleoenvironmental Indicator: An Example from the Proterozoic Succession of the Southern North China Platform. , 2012, , 163-175.		1
57	Hydrothermal origin of elevated iron, manganese and redox-sensitive trace elements in the <i>c</i> . 635 Ma Doushantuo cap carbonate. <i>Journal of the Geological Society</i> , 2011, 168, 805-816.	0.9	64
58	Stratigraphy and paleogeography of the Ediacaran Doushantuo Formation (ca. 635â€“551Ma) in South China. <i>Gondwana Research</i> , 2011, 19, 831-849.	3.0	466
59	The age of the Chuangde Formation in Kangmar, southern Tibet of China: Implications for the origin of Cretaceous oceanic red beds (CORBs) in the northern Tethyan Himalaya. <i>Sedimentary Geology</i> , 2011, 235, 111-121.	1.0	22
60	Carbonate concretions from the Gaoyuzhuang Formation (ca. 1.6 Ga) of the North China platform: Implication for a methane-rich Mesoproterozoic ocean. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 11-12.	1.1	1
61	Organic carbon isotope constraints on the dissolved organic carbon (DOC) reservoir at the Cryogenianâ€“Ediacaran transition. <i>Earth and Planetary Science Letters</i> , 2010, 299, 159-168.	1.8	78
62	The Cambrian Drumian carbon isotope excursion (DICE) in the Great Basin, western United States. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 296, 138-150.	1.0	38
63	Mineralogical constraints on the paleoenvironments of the Ediacaran Doushantuo Formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13190-13195.	3.3	100
64	Stromatolites in the Late Ordovician Eureka Quartzite: implications for microbial growth and preservation in siliciclastic settings. <i>Sedimentology</i> , 2009, 56, 1275-1291.	1.6	17
65	New biostratigraphic data from the Cretaceous Bolinxiala Formation in Zanda, southwestern Tibet of China, and their paleogeographic and paleoceanographic implications. <i>Cretaceous Research</i> , 2009, 30, 1005-1018.	0.6	30
66	The floating astronomical time scale for the terrestrial Late Cretaceous Qingshankou Formation from the Songliao Basin of Northeast China and its stratigraphic and paleoclimate implications. <i>Earth and Planetary Science Letters</i> , 2009, 278, 308-323.	1.8	116
67	Early diagenetic growth of carbonate concretions in the upper Doushantuo Formation in South China and their significance for the assessment of hydrocarbon source rock. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1330-1339.	0.9	22
68	Chemocline instability and isotope variations of the Ediacaran Doushantuo basin in South China. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1560-1569.	0.9	36
69	Sand veins and MISS from the Mesoproterozoic black shale (ca. 1.7 Ga) in North China: Implication for methane degassing from microbial mats. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1525-1536.	0.9	12
70	New SHRIMP U-Pb age from the Wuqiangxi Formation of Banxi Group: Implications for rifting and stratigraphic erosion associated with the early Cryogenian (Sturtian) glaciation in South China. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1537-1544.	0.9	50
71	The age of the Nantuo Formation and Nantuo glaciation in South China. <i>Terra Nova</i> , 2008, 20, 289-294.	0.9	220
72	Microbial Mats in the Mesoproterozoic Carbonates of the North China Platform and Their Potential for Hydrocarbon Generation. <i>Journal of China University of Geosciences</i> , 2008, 19, 549-566.	0.4	29

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73	Carbon isotope evidence for widespread methane seeps in the ca. 635 Ma Doushantuo cap carbonate in south China. <i>Geology</i> , 2008, 36, 347.	2.0	94
74	Pulsed oxidation and biological evolution in the Ediacaran Doushantuo Formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3197-3202.	3.3	507
75	Carbon isotope variability across the Ediacaran Yangtze platform in South China: Implications for a large surface-to-deep ocean $\delta^{13}\text{C}$ gradient. <i>Earth and Planetary Science Letters</i> , 2007, 261, 303-320.	1.8	341
76	Stable isotope record of the terminal Neoproterozoic Krol platform in the Lesser Himalayas of northern India. <i>Precambrian Research</i> , 2006, 147, 156-185.	1.2	127
77	Significance of Middle Cambrian mixed carbonate-siliciclastic units for global correlation: southern Nevada, USA. <i>Palaeoworld</i> , 2006, 15, 360-366.	0.5	19
78	Stratigraphy, Sedimentary Structures, and Textures of the Late Neoproterozoic Doushantuo Cap Carbonate in South China. <i>Journal of Sedimentary Research</i> , 2006, 76, 978-995.	0.8	187
79	Methane seeps, methane hydrate destabilization, and the late Neoproterozoic postglacial cap carbonates. <i>Science Bulletin</i> , 2006, 51, 1152-1173.	1.7	49
80	U-Pb sensitive high-resolution ion microprobe ages from the Doushantuo Formation in south China: Constraints on late Neoproterozoic glaciations. <i>Geology</i> , 2005, 33, 473.	2.0	215
81	Carbonate platform growth and cyclicity at a terminal Proterozoic passive margin, Infra Krol Formation and Krol Group, Lesser Himalaya, India. <i>Sedimentology</i> , 2003, 50, 921-952.	1.6	82
82	Stable isotopic evidence for methane seeps in Neoproterozoic postglacial cap carbonates. <i>Nature</i> , 2003, 426, 822-826.	13.7	349
83	Neoproterozoic stratigraphic comparison of the Lesser Himalaya (India) and Yangtze block (south) Tj ETQq1 1 0.784314 rgBT /Overlook	2.0	292
84	Sequence Stratigraphy of the Neoproterozoic Infra Krol Formation and Krol Group, Lesser Himalaya, India. <i>Journal of Sedimentary Research</i> , 2002, 72, 524-542.	0.8	93
85	Systematic paleontology, acritarch biostratigraphy, and $\delta^{13}\text{C}$ chemostratigraphy of the early Ediacaran Krol A Formation, Lesser Himalaya, northern India. <i>Journal of Paleontology</i> , 0, , 1-62.	0.5	7