

Jian Han

List of Publications by Year in descending order

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103
papers

3,386
citations

147726
31
h-index

175177
52
g-index

108
all docs

108
docs citations

108
times ranked

1819
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The Ediacaran radiogenic Sr isotope excursion in the Doushantuo Formation in the Three Gorges area, South China. <i>Precambrian Research</i> , 2010, 176, 46-64.	1.2	202
3	Carbon isotope chemostratigraphy of a Precambrian/Cambrian boundary section in the Three Gorge area, South China: Prominent global-scale isotope excursions just before the Cambrian Explosion. <i>Gondwana Research</i> , 2008, 14, 193-208.	3.0	147
4	A New Species of Yunnanozoan with Implications for Deuterostome Evolution. <i>Science</i> , 2003, 299, 1380-1384.	6.0	125
5	New sites of Chengjiang fossils: crucial windows on the Cambrian explosion. <i>Journal of the Geological Society</i> , 2001, 158, 211-218.	0.9	104
6	Carbon and oxygen isotope chemostratigraphies of the Yangtze platform, South China: Decoding temperature and environmental changes through the Ediacaran. <i>Gondwana Research</i> , 2013, 23, 333-353.	3.0	101
7	Evolution of the composition of seawater through geologic time, and its influence on the evolution of life. <i>Gondwana Research</i> , 2008, 14, 159-174.	3.0	91
8	New chronological constraints for Cryogenian to Cambrian rocks in the Three Gorges, Weng'an and Chengjiang areas, South China. <i>Gondwana Research</i> , 2014, 25, 1027-1044.	3.0	86
9	Triggers for the Cambrian explosion: Hypotheses and problems. <i>Gondwana Research</i> , 2014, 25, 896-909.	3.0	85
10	Location dependence of microstructure, phase transformation temperature and mechanical properties on Ni-rich NiTi alloy fabricated by wire arc additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 749, 218-222.	2.6	75
11	Irreversible change of the oceanic carbon cycle in the earliest Cambrian: High-resolution organic and inorganic carbon chemostratigraphy in the Three Gorges area, South China. <i>Precambrian Research</i> , 2013, 225, 190-208.	1.2	69
12	Nitrogen isotope chemostratigraphy of the Ediacaran and Early Cambrian platform sequence at Three Gorges, South China. <i>Gondwana Research</i> , 2014, 25, 1057-1069.	3.0	68
13	An armoured Cambrian lobopodian from China with arthropod-like appendages. <i>Nature</i> , 2011, 470, 526-530.	13.7	63
14	Meiofaunal deuterostomes from the basal Cambrian of Shaanxi (China). <i>Nature</i> , 2017, 542, 228-231.	13.7	58
15	Tiny Sea Anemone from the Lower Cambrian of China. <i>PLoS ONE</i> , 2010, 5, e13276.	1.1	53
16	The $\delta^{13}\text{C}$ excursions spanning the Cambrian explosion to the Canglangpuian mass extinction in the Three Gorges area, South China. <i>Gondwana Research</i> , 2014, 25, 1045-1056.	3.0	52
17	Comparative study on crystallographic orientation, precipitation, phase transformation and mechanical response of Ni-rich NiTi alloy fabricated by WAAM at elevated substrate heating temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140307.	2.6	51
18	The earliest-known ancestors of Recent Priapulomorpha from the Early Cambrian Chengjiang Lagerstatte. <i>Science Bulletin</i> , 2004, 49, 1860-1868.	1.7	45

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19	Internal structures and U ²³⁵ Pb ages of zircons from a tuff layer in the Meishucunian formation, Yunnan Province, South China. <i>Gondwana Research</i> , 2008, 14, 148-158.	3.0	45
20	The earliest history of the deuterostomes: the importance of the Chengjiang Fossil-Lagerstätte. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 165-174.	1.2	44
21	Morpho-anatomical differences of the Early Cambrian Chengjiang and Recent lingulids and their implications. <i>Acta Zoologica</i> , 2005, 86, 277-288.	0.6	43
22	A rare lobopod with well-preserved eyes from Chengjiang Lagerstätte and its implications for origin of arthropods. <i>Science Bulletin</i> , 2004, 49, 1063-1071.	1.7	39
23	Early Cambrian Pentamerous Cubozoan Embryos from South China. <i>PLoS ONE</i> , 2013, 8, e70741.	1.1	38
24	Cambrian petalonamid <i>Stromatoveris</i> phylogenetically links Ediacaran biota to later animals. <i>Palaeontology</i> , 2018, 61, 813-823.	1.0	38
25	Fossil evidence unveils an early Cambrian origin for Bryozoa. <i>Nature</i> , 2021, 599, 251-255.	13.7	38
26	A sclerite-bearing stem group entoproct from the early Cambrian and its implications. <i>Scientific Reports</i> , 2013, 3, 1066.	1.6	37
27	Epibionts on the lingulate brachiopod <i>Diandongia</i> from the Early Cambrian Chengjiang Lagerstätte, South China. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 175-181.	1.2	35
28	Pediculate Brachiopod <i>Diandongia pista</i> from the Lower Cambrian of South China. <i>Acta Geologica Sinica</i> , 2003, 77, 288-293.	0.8	34
29	Morpho-anatomy of the lobopod <i>Magadictyon</i> cf. <i>haikouensis</i> from the Early Cambrian Chengjiang Lagerstätte, South China. <i>Acta Zoologica</i> , 2007, 88, 279-288.	0.6	34
30	Architecture and function of the lophophore in the problematic brachiopod <i>Heliomedusa orientalis</i> (Early Cambrian, South China). <i>Geobios</i> , 2009, 42, 649-661.	0.7	34
31	Evidence for gill slits and a pharynx in Cambrian vetulicolians: implications for the early evolution of deuterostomes. <i>BMC Biology</i> , 2012, 10, 81.	1.7	34
32	Reproductive strategy of the bradoriid arthropod <i>Kunmingella douvillei</i> from the Lower Cambrian Chengjiang Lagerstätte, South China. <i>Gondwana Research</i> , 2014, 25, 983-990.	3.0	34
33	RHYNCHONELLIFORMEAN BRACHIOPODS WITH SOFT-TISSUE PRESERVATION FROM THE EARLY CAMBRIAN CHENGJIANG LAGERSTÄTTE OF SOUTH CHINA. <i>Palaeontology</i> , 2007, 50, 1391-1402.	1.0	32
34	Reconsideration of the supposed naraoiid larva from the Early Cambrian Chengjiang Lagerstätte, South China. <i>Palaeontology</i> , 2003, 46, 447-465.	1.0	31
35	Ca isotopic compositions of dolomite, phosphorite and the oldest animal embryo fossils from the Neoproterozoic in Weng'an, South China. <i>Gondwana Research</i> , 2008, 14, 209-218.	3.0	31
36	A rare onychophoran-like lobopodian from the Lower Cambrian Chengjiang Lagerstätte, southwestern China, and its phylogenetic implications. <i>Journal of Paleontology</i> , 2011, 85, 587-594.	0.5	30

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37	Large Plastic Debris Dumps: New Biodiversity Hot Spots Emerging on the Deep-Sea Floor. <i>Environmental Science and Technology Letters</i> , 2021, 8, 148-154.	3.9	30
38	NEW DATA ON THE RARE CHENGJIANG (LOWER CAMBRIAN, SOUTH CHINA) LINGULOID BRACHIOPOD XIANSHANELLA HAIKOUENSIS. <i>Journal of Paleontology</i> , 2006, 80, 203-211.	0.5	29
39	A vanished history of skeletonization in Cambrian comb jellies. <i>Science Advances</i> , 2015, 1, e1500092.	4.7	29
40	Divergent evolution of medusozoan symmetric patterns: Evidence from the microanatomy of Cambrian tetramerous cubozoans from South China. <i>Gondwana Research</i> , 2016, 31, 150-163.	3.0	28
41	New occurrence of the Burgess Shale arthropod <i>Sidneyia</i> in the Early Cambrian Chengjiang Lagerstatte (South China), and revision of the arthropod <i>Urokodia</i> . <i>Alcheringa</i> , 2002, 26, 1-8.	0.5	27
42	Note on the gut preserved in the Lower Cambrian Lingulellotreta (Lingulata, Brachiopoda) from southern China. <i>Acta Zoologica</i> , 2006, 88, 65-70.	0.6	27
43	A gregarious lingulid brachiopod <i>Longtancunella chengjiangensis</i> from the Lower Cambrian, South China. <i>Lethaia</i> , 2006, 40, 11-18.	0.6	27
44	In-situ analyses of phosphorus contents of carbonate minerals: Reconstruction of phosphorus contents of seawater from the Ediacaran to early Cambrian. <i>Gondwana Research</i> , 2014, 25, 1090-1107.	3.0	27
45	Three Cambrian fossils assembled into an extinct body plan of cnidarian affinity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8835-8840.	3.3	27
46	Origin, diversification, and relationships of Cambrian lobopods. <i>Gondwana Research</i> , 2008, 14, 277-283.	3.0	26
47	Lower Cambrian polychaete from China sheds light on early annelid evolution. <i>Die Naturwissenschaften</i> , 2015, 102, 34.	0.6	26
48	A preliminary note on the dispersal of the Cambrian Burgess Shale-type faunas. <i>Gondwana Research</i> , 2008, 14, 269-276.	3.0	24
49	Redescription of the Chengjiang arthropod <i>Squamacula clypeata</i> Hou and Bergstrom, from the Lower Cambrian, south-west China. <i>Palaeontology</i> , 2004, 47, 605-617.	1.0	23
50	Preliminary notes on soft-bodied fossil concentrations from the Early Cambrian Chengjiang deposits. <i>Science Bulletin</i> , 2006, 51, 2482-2492.	1.7	23
51	The anomalous Ca cycle in the Ediacaran ocean: Evidence from Ca isotopes preserved in carbonates in the Three Gorges area, South China. <i>Gondwana Research</i> , 2014, 25, 1070-1089.	3.0	23
52	The earliest pelagic jellyfish with rhopalia from Cambrian Chengjiang Lagerstatte. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 166-173.	1.0	23
53	The exceptionally preserved Early Cambrian stem rhynchonelliform brachiopod <i>Longtancunella</i> and its implications. <i>Lethaia</i> , 2011, 44, 490-495.	0.6	22
54	Sedentary habits of anthozoa-like animals in the Chengjiang Lagerstatte: Adaptive strategies for Phanerozoic-style soft substrates. <i>Gondwana Research</i> , 2014, 25, 966-974.	3.0	22

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55	FTIR microspectroscopy of Ediacaran phosphatized microfossils from the Doushantuo Formation, Weng'an, South China. <i>Gondwana Research</i> , 2014, 25, 1120-1138.	3.0	22
56	A miniscule optimized visual system in the Lower Cambrian. <i>Lethaia</i> , 2009, 42, 265-273.	0.6	21
57	Internal Microanatomy and Zoological Affinity of the Early Cambrian <i>Olivoooides</i> . <i>Acta Geologica Sinica</i> , 2016, 90, 38-65.	0.8	20
58	A <i>Cloudina</i> -like fossil with evidence of asexual reproduction from the lowest Cambrian, South China. <i>Geological Magazine</i> , 2017, 154, 1294-1305.	0.9	20
59	Origin of ecdysis: fossil evidence from 535-million-year-old scalidophoran worms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190791.	1.2	18
60	Shift in limiting nutrients in the late Ediacaran–early Cambrian marine systems of South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 530, 281-299.	1.0	18
61	The Lobopod <i>Onychodictyon</i> from the Lower Cambrian Chengjiang Lagerstätte Revisited. <i>Acta Palaeontologica Polonica</i> , 2008, 53, 285-292.	0.4	17
62	Anatomy and affinities of a new 535-million-year-old medusozoan from the Kuanchuanpu Formation, South China. <i>Palaeontology</i> , 2017, 60, 853-867.	1.0	17
63	Multi-jawed chaetognaths from the Chengjiang Lagerstätte (Cambrian, Series 2, Stage 3) of Yunnan, China. <i>Palaeontology</i> , 2017, 60, 763-772.	1.0	16
64	Redox history of the Three Gorges region during the Ediacaran and Early Cambrian as indicated by the Fe isotope. <i>Geoscience Frontiers</i> , 2018, 9, 155-172.	4.3	16
65	Evolutionary trade-off in reproduction of Cambrian arthropods. <i>Science Advances</i> , 2020, 6, eaaz3376.	4.7	16
66	Liu et al. reply. <i>Nature</i> , 2011, 476, E1-E1.	13.7	15
67	<i>Olivoooides</i> -like tube aperture in early Cambrian carinachitids (Medusozoa, Cnidaria). <i>Journal of Paleontology</i> , 2018, 92, 3-13.	0.5	15
68	New observations of the lobopod-like worm <i>Facivermis</i> from the early cambrian Chengjiang Lagerstätte. <i>Science Bulletin</i> , 2006, 51, 358-363.	1.7	14
69	Early Cambrian epibolic gastrulation: A perspective from the Kuanchuanpu Member, Dengying Formation, Ningqiang, Shaanxi, South China. <i>Gondwana Research</i> , 2011, 20, 844-851.	3.0	14
70	Euendoliths versus ambient inclusion trails from Early Cambrian Kuanchuanpu Formation, South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 476, 147-157.	1.0	14
71	A fourteen-faced hexangulaconulariid from the early Cambrian (Stage 2) Yanjiahe Formation, South China. <i>Journal of Paleontology</i> , 2020, 94, 45-55.	0.5	14
72	A new tetradial olivoid (Medusozoa) from the lower Cambrian (Stage 2) Yanjiahe Formation, South China. <i>Journal of Paleontology</i> , 2020, 94, 457-466.	0.5	14

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73	EVIDENCE OF PRIAPULID SCAVENGING FROM THE EARLY CAMBRIAN CHENGJIANG DEPOSITS, SOUTHERN CHINA. <i>Palaios</i> , 2007, 22, 691-694.	0.6	13
74	A NEW ARTHROPOD PYGMACLYPEATUS DAZIENSIS FROM THE EARLY CAMBRIAN CHENGJIANG LAGERSTÄTTE, SOUTH CHINA. <i>Journal of Paleontology</i> , 2000, 74, 979-983.	0.5	12
75	A New Platyarmored Worm from the Early Cambrian Chengjiang Lagerstätte, South China. <i>Acta Geologica Sinica</i> , 2003, 77, 1-6.	0.8	12
76	Fossil Association from the Lower Cambrian Yanjiahe Formation in the Yangtze Gorges Area, Hubei, South China. <i>Acta Geologica Sinica</i> , 2008, 82, 1124-1132.	0.8	12
77	New Localities and Palaeoscolecid Worms from the Cambrian (Stage 4, Series 2) Guanshan Biota in Kunming, Yunnan, South China. <i>Acta Geologica Sinica</i> , 2016, 90, 1939-1945.	0.8	12
78	Watsonella crosbyi from the lower Cambrian (Terreneuvian, Stage 2) Yanjiahe Formation in Three Gorges Area, South China. <i>Palaeoworld</i> , 2021, 30, 1-19.	0.5	12
79	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
80	Molecular fossils extracted from the Early Cambrian section in the Three Gorges area, South China. <i>Gondwana Research</i> , 2014, 25, 1108-1119.	3.0	11
81	Integrated Evolution of Cnidarians and Oceanic Geochemistry Before and During the Cambrian Explosion. , 2016, , 15-29.		11
82	A ten-faced hexangulaconulariid from Cambrian Stage 2 of South China. <i>Journal of Paleontology</i> , 2021, 95, 957-964.	0.5	11
83	Tube-dwelling in early animals exemplified by Cambrian scalidophoran worms. <i>BMC Biology</i> , 2021, 19, 243.	1.7	11
84	New Macroscopic Problematic Fossil from the Early Cambrian Yanjiahe Biota, Yichang, Hubei, China. <i>Acta Geologica Sinica</i> , 2012, 86, 791-798.	0.8	10
85	Sclerite-bearing annelids from the lower Cambrian of South China. <i>Scientific Reports</i> , 2019, 9, 4955.	1.6	10
86	Advanced Cambrian hydroid fossils (Cnidaria: Hydrozoa) extend the medusozoan evolutionary history. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202939.	1.2	10
87	Dawn of complex animal food webs: A new predatory anthozoan (Cnidaria) from Cambrian. <i>Innovation(China)</i> , 2022, 3, 100195.	5.2	10
88	Microstructure and mechanical properties of Ni50.8Ti49.2 and Ni53Ti47 alloys prepared in situ by wire-arc additive manufacturing. <i>Journal of Materials Processing Technology</i> , 2022, 306, 117631.	3.1	10
89	A juvenile redlichiid trilobite caught on the move: Evidence from the Cambrian (Series 2) Chengjiang Lagerstätte, southwestern China. <i>Palaios</i> , 2009, 24, 473-477.	0.6	9
90	A high-resolution chemostratigraphy of post-Marinoan Cap Carbonate using drill core samples in the Three Gorges area, South China. <i>Geoscience Frontiers</i> , 2016, 7, 663-671.	4.3	9

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91	Cuticular reticulation replicates the pattern of epidermal cells in lowermost Cambrian scalidophoran worms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200470.	1.2	9
92	An intermediate type of medusa from the early Cambrian Kuanchuanpu Formation, South China. <i>Palaeontology</i> , 2020, 63, 775-789.	1.0	9
93	New data on the lophophore anatomy of Early Cambrian linguloids from the Chengjiang Lagerstätte, Southwest from the Chengjiang Lagerstätte, Southwest. <i>Carnets De Geologie</i> , 2004, , .	0.4	9
94	A new theca-bearing Early Cambrian worm from the Chengjiang Fossil Lagerstätte, China. <i>Alcheringa</i> , 2006, 30, 1-10.	0.5	8
95	Comparative study of Cambrian lobopods <i>Miraluolishania</i> and <i>Luolishania</i> . <i>Science Bulletin</i> , 2008, 53, 87-93.	1.7	8
96	Muscle systems and motility of early animals highlighted by cnidarians from the basal Cambrian. <i>ELife</i> , 2022, 11, .	2.8	8
97	Response to "Discussion on the systematic position of the early cambrian priapulomorph worms". <i>Science Bulletin</i> , 2006, 51, 250-256.	1.7	7
98	<i>Malongitubus</i> : a possible pterobranch hemichordate from the early Cambrian of South China. <i>Journal of Paleontology</i> , 2018, 92, 26-32.	0.5	6
99	The earliest-known ancestors of Recent Priapulomorpha from the Early Cambrian Chengjiang Lagerstätte. <i>Science Bulletin</i> , 2004, 49, 1860.	1.7	4
100	Artificial Intelligence Identification of Multiple Microfossils from the Cambrian Kuanchuanpu Formation in Southern Shaanxi, China. <i>Acta Geologica Sinica</i> , 2020, 94, 189-197.	0.8	4
101	A New Species of <i>Septuconularia</i> (Hexangulaconulariidae, Cnidaria) from Cambrian Stage 2, South China. <i>Acta Geologica Sinica</i> , 0, , .	0.8	3
102	Characterization of the Multicellular Membrane-Bearing Algae From the Kuanchuanpu Biota (Cambrian: Terreneuvian). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006102.	1.3	2
103	A New Phylogenetic Inference Based on Genetic Attribute Reduction for Morphological Data. <i>Entropy</i> , 2019, 21, 313.	1.1	0