

Jian Han

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Dawn of complex animal food webs: A new predatory anthozoan (Cnidaria) from Cambrian. <i>Innovation(China)</i> , 2022, 3, 100195. | 5.2 | 10 |
| 2 | Muscle systems and motility of early animals highlighted by cnidarians from the basal Cambrian. <i>ELife</i> , 2022, 11, . | 2.8 | 8 |
| 3 | 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 |
| 4 | 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 |
| 5 | <i>Watsonella crosbyi</i> 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | A ten-faced hexangulaconulariid from Cambrian Stage 2 of South China. <i>Journal of Paleontology</i> , 2021, 95, 957-964. | 0.5 | 11 |
| 10 | 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 |
| 11 | Fossil evidence unveils an early Cambrian origin for Bryozoa. <i>Nature</i> , 2021, 599, 251-255. | 13.7 | 38 |
| 12 | Tube-dwelling in early animals exemplified by Cambrian scalidophoran worms. <i>BMC Biology</i> , 2021, 19, 243. | 1.7 | 11 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Evolutionary trade-off in reproduction of Cambrian arthropods. <i>Science Advances</i> , 2020, 6, eaaz3376. | 4.7 | 16 |
| 17 | An intermediate type of medusa from the early Cambrian Kuanchuanpu Formation, South China. <i>Palaeontology</i> , 2020, 63, 775-789. | 1.0 | 9 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | A New Phylogenetic Inference Based on Genetic Attribute Reduction for Morphological Data. <i>Entropy</i> , 2019, 21, 313. | 1.1 | 0 |
| 22 | Sclerite-bearing annelids from the lower Cambrian of South China. <i>Scientific Reports</i> , 2019, 9, 4955. | 1.6 | 10 |
| 23 | 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 |
| 24 | 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 |
| 25 | <i>Olivoides</i> -like tube aperture in early Cambrian carinachitids (Medusozoa, Cnidaria). <i>Journal of Paleontology</i> , 2018, 92, 3-13. | 0.5 | 15 |
| 26 | <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 |
| 27 | Cambrian petalonamid <i>Stromatoveris</i> phylogenetically links Ediacaran biota to later animals. <i>Palaeontology</i> , 2018, 61, 813-823. | 1.0 | 38 |
| 28 | Meiofaunal deuterostomes from the basal Cambrian of Shaanxi (China). <i>Nature</i> , 2017, 542, 228-231. | 13.7 | 58 |
| 29 | 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 |
| 30 | Euendoliths versus ambient inclusion trails from Early Cambrian Kuanchuanpu Formation, South China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 476, 147-157. | 1.0 | 14 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Internal Microanatomy and Zoological Affinity of the Early Cambrian <i>Olivoides</i> . <i>Acta Geologica Sinica</i> , 2016, 90, 38-65. | 0.8 | 20 |
| 36 | Integrated Evolution of Cnidarians and Oceanic Geochemistry Before and During the Cambrian Explosion. , 2016, , 15-29. | | 11 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | The earliest pelagic jellyfish with rhopalia from Cambrian Chengjiang Lagerstätte. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 166-173. | 1.0 | 23 |
| 39 | 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 |
| 40 | 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 |
| 41 | A vanished history of skeletonization in Cambrian comb jellies. <i>Science Advances</i> , 2015, 1, e1500092. | 4.7 | 29 |
| 42 | Lower Cambrian polychaete from China sheds light on early annelid evolution. <i>Die Naturwissenschaften</i> , 2015, 102, 34. | 0.6 | 26 |
| 43 | 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 |
| 44 | Sedentary habits of anthozoa-like animals in the Chengjiang Lagerstätte: Adaptive strategies for Phanerozoic-style soft substrates. <i>Gondwana Research</i> , 2014, 25, 966-974. | 3.0 | 22 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | Triggers for the Cambrian explosion: Hypotheses and problems. <i>Gondwana Research</i> , 2014, 25, 896-909. | 3.0 | 85 |
| 52 | 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 |
| 53 | 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 |
| 54 | A sclerite-bearing stem group entoproct from the early Cambrian and its implications. <i>Scientific Reports</i> , 2013, 3, 1066. | 1.6 | 37 |

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|----|---|------|-----------|
| 55 | 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 |
| 56 | Early Cambrian Pentamerous Cubozoan Embryos from South China. <i>PLoS ONE</i> , 2013, 8, e70741. | 1.1 | 38 |
| 57 | 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 |
| 58 | 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 |
| 59 | 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 |
| 60 | The exceptionally preserved Early Cambrian stem rhynchonelliform brachiopod <i>Longtancunella</i> and its implications. <i>Lethaia</i> , 2011, 44, 490-495. | 0.6 | 22 |
| 61 | An armoured Cambrian lobopodian from China with arthropod-like appendages. <i>Nature</i> , 2011, 470, 526-530. | 13.7 | 63 |
| 62 | 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 |
| 63 | Liu et al. reply. <i>Nature</i> , 2011, 476, E1-E1. | 13.7 | 15 |
| 64 | 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 |
| 65 | Tiny Sea Anemone from the Lower Cambrian of China. <i>PLoS ONE</i> , 2010, 5, e13276. | 1.1 | 53 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | A miniscule optimized visual system in the Lower Cambrian. <i>Lethaia</i> , 2009, 42, 265-273. | 0.6 | 21 |
| 70 | 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 |
| 71 | Comparative study of Cambrian lobopods <i>Miraluolishania</i> and <i>Luolishania</i> . <i>Science Bulletin</i> , 2008, 53, 87-93. | 1.7 | 8 |
| 72 | A preliminary note on the dispersal of the Cambrian Burgess Shale-type faunas. <i>Gondwana Research</i> , 2008, 14, 269-276. | 3.0 | 24 |

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|----|---|-----|-----------|
| 73 | Origin, diversification, and relationships of Cambrian lobopods. <i>Gondwana Research</i> , 2008, 14, 277-283. | 3.0 | 26 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | Internal structures and U-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 |
| 78 | The Lobopod <i>Onychodictyon</i> from the Lower Cambrian Chengjiang Lagerstätte Revisited. <i>Acta Palaeontologica Polonica</i> , 2008, 53, 285-292. | 0.4 | 17 |
| 79 | 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 |
| 80 | EVIDENCE OF PRIAPULID SCAVENGING FROM THE EARLY CAMBRIAN CHENGJIANG DEPOSITS, SOUTHERN CHINA. <i>Palaos</i> , 2007, 22, 691-694. | 0.6 | 13 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | A new theca-bearing Early Cambrian worm from the Chengjiang Fossil Lagerstätte, China. <i>Alcheringa</i> , 2006, 30, 1-10. | 0.5 | 8 |
| 85 | 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 |
| 86 | A gregarious lingulid brachiopod <i>Longtancunella chengjiangensis</i> from the Lower Cambrian, South China. <i>Lethaia</i> , 2006, 40, 11-18. | 0.6 | 27 |
| 87 | Response to "Discussion on the systematic position of the early cambrian priapulomorph worms". <i>Science Bulletin</i> , 2006, 51, 250-256. | 1.7 | 7 |
| 88 | Preliminary notes on soft-bodied fossil concentrations from the Early Cambrian Chengjiang deposits. <i>Science Bulletin</i> , 2006, 51, 2482-2492. | 1.7 | 23 |
| 89 | 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 |
| 90 | 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 |

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|-----|--|-----|-----------|
| 91 | The earliest-known ancestors of Recent Priapulomorpha from the Early Cambrian Chengjiang Lagerstätte. Science Bulletin, 2004, 49, 1860. | 1.7 | 4 |
| 92 | Redescription of the Chengjiang arthropod Squamacula clypeata Hou and Bergstrom, from the Lower Cambrian, south-west China. Palaeontology, 2004, 47, 605-617. | 1.0 | 23 |
| 93 | The earliest-known ancestors of Recent Priapulomorpha from the Early Cambrian Chengjiang Lagerstätte. Science Bulletin, 2004, 49, 1860-1868. | 1.7 | 45 |
| 94 | A rare lobopod with well-preserved eyes from Chengjiang Lagerstätte and its implications for origin of arthropods. Science Bulletin, 2004, 49, 1063-1071. | 1.7 | 39 |
| 95 | New data on the lophophore anatomy of Early Cambrian linguloids from the Chengjiang Lagerstätte, Southwest from the Chengjiang Lagerstätte, Southwest. Carnets De Geologie, 2004, , . | 0.4 | 9 |
| 96 | Reconsideration of the supposed naraoiid larva from the Early Cambrian Chengjiang Lagerstätte, South China. Palaeontology, 2003, 46, 447-465. | 1.0 | 31 |
| 97 | Pediculate Brachiopod <i>Diandongia pista</i> from the Lower Cambrian of South China. Acta Geologica Sinica, 2003, 77, 288-293. | 0.8 | 34 |
| 98 | A New Species of Yunnanozoan with Implications for Deuterostome Evolution. Science, 2003, 299, 1380-1384. | 6.0 | 125 |
| 99 | A New Platyelmermored Worm from the Early Cambrian Chengjiang Lagerstätte, South China. Acta Geologica Sinica, 2003, 77, 1-6. | 0.8 | 12 |
| 100 | New occurrence of the Burgess Shale arthropod <i>Sidneyia</i> in the Early Cambrian Chengjiang Lagerstätte (South China), and revision of the arthropod <i>Urokodia</i> . Alcheringa, 2002, 26, 1-8. | 0.5 | 27 |
| 101 | New sites of Chengjiang fossils: crucial windows on the Cambrian explosion. Journal of the Geological Society, 2001, 158, 211-218. | 0.9 | 104 |
| 102 | A NEW ARTHROPODPYGMACLYPEATUS DAZIENSISFROM THE EARLY CAMBRIAN CHENGJIANG LAGERSTÄTTE, SOUTH CHINA. Journal of Paleontology, 2000, 74, 979-983. | 0.5 | 12 |
| 103 | A New Species of <i>Septuconularia</i> (Hexangulaconulariidae, Cnidaria) from Cambrian Stage 2, South China. Acta Geologica Sinica, 0, , . | 0.8 | 3 |