

# Nigel C Hughes

## List of Publications by Year in descending order

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60  
papers

2,274  
citations

236925

25  
h-index

223800

46  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of Precambrian–Cambrian sedimentary successions across northern India and the utility of isotopic signatures of Himalayan lithotectonic zones. <i>Earth and Planetary Science Letters</i> , 2011, 312, 471-483.	4.4	196
2	Stratigraphic correlation of Cambrian–Ordovician deposits along the Himalaya: Implications for the age and nature of rocks in the Mount Everest region. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 323-332.	3.3	141
3	Trilobites and zircons link north China with the eastern Himalaya during the Cambrian. <i>Geology</i> , 2011, 39, 591-594.	4.4	136
4	The ontogeny of trilobite segmentation: a comparative approach. <i>Paleobiology</i> , 2006, 32, 602-627.	2.0	126
5	The Evolution of Trilobite Body Patterning. <i>Annual Review of Earth and Planetary Sciences</i> , 2007, 35, 401-434.	11.0	117
6	Cambrian biostratigraphy of the Tal Group, Lesser Himalaya, India, and early Tsanglangpuan (late early) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	100
7	Plate tectonic influences on Neoproterozoic–early Paleozoic climate and animal evolution. <i>Geology</i> , 2014, 42, 127-130.	4.4	86
8	Trilobite Tagmosis and Body Patterning from Morphological and Developmental Perspectives. <i>Integrative and Comparative Biology</i> , 2003, 43, 185-206.	2.0	76
9	Growth and variation in the Silurian proetide trilobite <i>Aulacopleura konincki</i> and its implications for trilobite palaeobiology. <i>Lethaia</i> , 1995, 28, 333-353.	1.4	74
10	The stability of thoracic segmentation in trilobites: a case study in developmental and ecological constraints. <i>Evolution &amp; Development</i> , 1999, 1, 24-35.	2.0	72
11	Terminal suturing of Gondwana along the southern margin of South China Craton: Evidence from detrital zircon U-Pb ages and Hf isotopes in Cambrian and Ordovician strata, Hainan Island. <i>Tectonics</i> , 2014, 33, 2490-2504.	2.8	72
12	Exploring Developmental Modes in a Fossil Arthropod: Growth and Trunk Segmentation of the Trilobite <i>Aulacopleura konincki</i> . <i>American Naturalist</i> , 2004, 163, 167-183.	2.1	70
13	Cambrian–Ordovician orogenesis in Himalayan equatorial Gondwana. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1679-1695.	3.3	67
14	Trilobite body patterning and the evolution of arthropod tagmosis. <i>BioEssays</i> , 2003, 25, 386-395.	2.5	62
15	The Cambrian palaeontological record of the Indian subcontinent. <i>Earth-Science Reviews</i> , 2016, 159, 428-461.	9.1	60
16	Cambrian rocks and faunas of the Wachi La, Black Mountains, Bhutan. <i>Geological Magazine</i> , 2011, 148, 351-379.	1.5	59
17	Terminal addition, the Cambrian radiation and the Phanerozoic evolution of bilaterian form. <i>Evolution &amp; Development</i> , 2005, 7, 498-514.	2.0	57
18	Himalayan Cambrian brachiopods. <i>Papers in Palaeontology</i> , 2015, 1, 345-399.	1.5	52

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19	Morphological plasticity and genetic flexibility in a Cambrian trilobite. <i>Geology</i> , 1991, 19, 913.	4.4	48
20	Precambrian–Cambrian boundary interval occurrence and form of the enigmatic tubular body fossil <i>Schaanxilithes ningqiangensis</i> from the Lesser Himalaya of India. <i>Palaeontology</i> , 2014, 57, 283-298.	2.2	45
21	DEVELOPMENTAL TRAIT EVOLUTION IN TRILOBITES. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 314-329.	2.3	42
22	Purujosa trilobite assemblage and the evolution of trilobite enrollment. <i>Geology</i> , 2011, 39, 575-578.	4.4	38
23	Paleobiologic and taphonomic aspects of the <i>granulosa</i> trilobite cluster, Kope Formation (Upper Ordovician, Cincinnati Region). <i>Journal of Paleontology</i> , 1999, 73, 306-319.	0.8	37
24	Cambrian Trilobites from the Parahio and Zanskar Valleys, Indian Himalaya. <i>Journal of Paleontology</i> , 2009, 83, 1-95.	0.8	28
25	Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 1095-1114.	3.3	28
26	Age and implications of the phosphatic Birmania Formation, Rajasthan, India. <i>Precambrian Research</i> , 2015, 267, 164-173.	2.7	25
27	Ontogeny of the articulated yiliangelline trilobite <i>Zhangshania typica</i> from the lower Cambrian (Series 2, Stage 3) of southern China. <i>Journal of Paleontology</i> , 2017, 91, 86-99.	0.8	21
28	Late Mesoproterozoic–early Neoproterozoic organic-walled microfossils from the Madhubani Group of the Ganga Valley, northern India. <i>Palaeontology</i> , 2017, 60, 869-891.	2.2	21
29	Positional specification in the segmental growth pattern of an early arthropod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133037.	2.6	19
30	Cambrian microfossils from the Tethyan Himalaya. <i>Journal of Paleontology</i> , 2016, 90, 10-30.	0.8	19
31	The Development of the Silurian Trilobite <i>Aulacopleura koninckii</i> Reconstructed by Applying Inferred Growth and Segmentation Dynamics: A Case Study in Paleo-Evo-Devo. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	19
32	Development of the caudal exoskeleton of the pliomerid trilobite <i>Hintzeia plicamarginis</i> new species. <i>Evolution &amp; Development</i> , 2005, 7, 528-541.	2.0	18
33	Ventral structure and ontogeny of the late Furongian (Cambrian) trilobite <i>Guangxiaspis guangxiensis</i> Zhou, 1977 and the diphyletic origin of the median suture. <i>Journal of Paleontology</i> , 2010, 84, 493-504.	0.8	18
34	Biostratigraphic and detrital zircon age constraints on the basement of the Himalayan Foreland Basin: Implications for a Proterozoic link to the Lesser Himalaya and cratonic India. <i>Terra Nova</i> , 2016, 28, 419-426.	2.1	18
35	Evaluating pedomorphic heterochrony in trilobites: the case of the diminutive trilobite <i>Flexicalymene retrorsa minus</i> from the Cincinnati Series (Upper Ordovician), Cincinnati region. <i>Evolution &amp; Development</i> , 2007, 9, 483-498.	2.0	17
36	Early postembryonic to mature ontogeny of the oryctocephalid trilobite <i>Duodingia duodingensis</i> from the lower Cambrian (Series 2) of southern China. <i>Papers in Palaeontology</i> , 2015, 1, 497-513.	1.5	17

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37	The trilobite upper limb branch is a well-developed gill. <i>Science Advances</i> , 2021, 7, .	10.3	17
38	KUNMINGASPIS (TRILOBITA) PUTATIVELY FROM THE YUNLING COLLAGE, AND THE CAMBRIAN HISTORY OF THE EASTERN HIMALAYAN SYNTAXIAL REGION. <i>Journal of Paleontology</i> , 2002, 76, 709.	0.8	16
39	Size, shape, and systematics of the Silurian trilobite <i>Aulacopleura koninckii</i> . <i>Journal of Paleontology</i> , 2014, 88, 1120-1138.	0.8	15
40	Basal euarthropod development: a fossil-based perspective. , 2008, , 281-298.		14
41	Axial growth gradients across the postprotaspid ontogeny of the Silurian trilobite <i>Aulacopleura koninckii</i> . <i>Paleobiology</i> , 2016, 42, 426-438.	2.0	12
42	The first systematic description of Cambrian fossils from Myanmar: Late Furongian trilobites from the southern part of the Shan State and the early Palaeozoic palaeogeographical affinities of <i>Sibumasu</i> . <i>Journal of Asian Earth Sciences</i> , 2021, 214, 104775.	2.3	11
43	Articulated trilobite ontogeny: suggestions for a methodological standard. <i>Journal of Paleontology</i> , 2021, 95, 298-304.	0.8	10
44	Strength in numbers: High phenotypic variance in early Cambrian trilobites and its evolutionary implications. <i>BioEssays</i> , 2007, 29, 1081-1084.	2.5	9
45	Onset of Maturity and Ontogenetic Tagmatization of the Pygidium in the Development of <i>Lonchopygella megaspina</i> (Trilobita, Later Furongian, Cambrian). <i>Journal of Paleontology</i> , 2013, 87, 472-483.	0.8	9
46	Revision of F. R. C. Reed's Ordovician trilobite types from Myanmar (Burma) and western Yunnan Province, China. <i>Zootaxa</i> , 2022, 5162, 301-356.	0.5	9
47	<i>Satunarcus</i> , a new late Cambrian trilobite genus from southernmost Thailand and a reevaluation of the subfamily <i>Mansuyiinae</i> HupÅ©, 1955. <i>Journal of Paleontology</i> , 2020, 94, 867-880.	0.8	7
48	Absolute axial growth and trunk segmentation in the early Cambrian trilobite <i>Oryctocarella duyunensis</i> . <i>Paleobiology</i> , 2021, 47, 517-532.	2.0	7
49	Morphometry and Phylogeny in the Resolution of Paleobiological Problems â€” Unlocking the Evolutionary Significance of an Assemblage of Silurian Trilobites. <i>Topics in Geobiology</i> , 2001, , 29-54.	0.5	7
50	Systematic paleontology, acritarch biostratigraphy, and <sup>13</sup> C chemostratigraphy of the early Ediacaran Krol A Formation, Lesser Himalaya, northern India. <i>Journal of Paleontology</i> , 0, , 1-62.	0.8	7
51	The end of everything: metazoan terminal addition. <i>Evolution &amp; Development</i> , 2005, 7, 497-497.	2.0	6
52	Himalayan Cambrian hyoliths. <i>Papers in Palaeontology</i> , 2016, 2, 323-341.	1.5	4
53	Development of the early Cambrian oryctocephalid trilobite <i>Oryctocarella duyunensis</i> from western Hunan, China. <i>Journal of Paleontology</i> , 2021, 95, 777-792.	0.8	4
54	Cambrian geology of the Salt Range of Pakistan: Linking the Himalayan margin to the Indian craton: Reply. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 446-448.	3.3	3

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55	Cambrian and earliest Ordovician fauna and geology of the SẮng Ắ and adjacent terranes in Viá»t Nam (Vietnam). Geological Magazine, 0, , 1-26.	1.5	2
56	Heat and Light in the "Crucible of Creation" Crucible of Creation. Simon Conway Morris, Oxford University Press, Oxford. 1998. 272 pages. Cloth \$30.00. Paleobiology, 1998, 24, 534-536.	2.0	1
57	A <i>Glyptagnostus reticulatus</i> trilobite faunule from the Cambrian of the Northern Qilian Mountains, northwest China, and its paleogeographical implications. Journal of Paleontology, 2022, 96, 875-885.	0.8	1
58	Rules, scales, and the tick of animal development. Paleobiology, 2004, 30, 482-485.	2.0	0
59	Trilobites. Current Biology, 2008, 18, R236-R237.	3.9	0
60	The young and the vestless. Nature Ecology and Evolution, 2021, 5, 1060-1061.	7.8	0