

Jean-Bernard Caron

List of Publications by Year in descending order

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80
papers

3,113
citations

117453

34
h-index

174990

52
g-index

83
all docs

83
docs citations

83
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	The Burgess Shale Anomalocaridid <i>Hurdia</i> and Its Significance for Early Euarthropod Evolution. <i>Science</i> , 2009, 323, 1597-1600.	6.0	146
2	Paleoecology of the Greater Phyllopod Bed community, Burgess Shale. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 258, 222-256.	1.0	144
3	A soft-bodied mollusc with radula from the Middle Cambrian Burgess Shale. <i>Nature</i> , 2006, 442, 159-163.	13.7	139
4	A primitive fish from the Cambrian of North America. <i>Nature</i> , 2014, 512, 419-422.	13.7	122
5	Halwaxiids and the Early Evolution of the Lophotrochozoans. <i>Science</i> , 2007, 315, 1255-1258.	6.0	108
6	TAPHONOMY OF THE GREATER PHYLLOPOD BED COMMUNITY, BURGESS SHALE. <i>Palaios</i> , 2006, 21, 451-465.	0.6	92
7	A new phyllopod bed-like assemblage from the Burgess Shale of the Canadian Rockies. <i>Nature Communications</i> , 2014, 5, 3210.	5.8	86
8	Cambrian bivalved arthropod reveals origin of arthropodization. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4699-4704.	1.2	84
9	Soft-bodied Fossils Are Not Simply Rotten Carcasses – Toward a Holistic Understanding of Exceptional Fossil Preservation. <i>BioEssays</i> , 2018, 40, 1700167.	1.2	84
10	Hyaloliths are Palaeozoic lophophorates. <i>Nature</i> , 2017, 541, 394-397.	13.7	82
11	<i>Pikaia gracilens</i> Walcott, a stem-group chordate from the Middle Cambrian of British Columbia. <i>Biological Reviews</i> , 2012, 87, 480-512.	4.7	81
12	Morphology and systematics of the anomalocaridid arthropod <i>Hurdia</i> from the Middle Cambrian of British Columbia and Utah. <i>Journal of Systematic Palaeontology</i> , 2013, 11, 743-787.	0.6	74
13	A new Burgess Shale “type assemblage from the “ethin”-Stephen Formation of the southern Canadian Rockies. <i>Geology</i> , 2010, 38, 811-814.	2.0	73
14	Tentaculate Fossils from the Cambrian of Canada (British Columbia) and China (Yunnan) Interpreted as Primitive Deuterostomes. <i>PLoS ONE</i> , 2010, 5, e9586.	1.1	68
15	Tubicolous enteropneusts from the Cambrian period. <i>Nature</i> , 2013, 495, 503-506.	13.7	64
16	Burgess Shale fossils illustrate the origin of the mandibulate body plan. <i>Nature</i> , 2017, 545, 89-92.	13.7	63
17	Spatial variation in the diversity and composition of the Lower Cambrian (Series 2, Stage 3) Chengjiang Biota, Southwest China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 346-347, 54-65.	1.0	61
18	Primitive soft-bodied cephalopods from the Cambrian. <i>Nature</i> , 2010, 465, 469-472.	13.7	60

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19	Diversity and species abundance patterns of the Early Cambrian (Series 2, Stage 3) Chengjiang Biota from China. <i>Paleobiology</i> , 2014, 40, 50-69.	1.3	58
20	TUZOIA: MORPHOLOGY AND LIFESTYLE OF A LARGE BIVALVED ARTHROPOD OF THE CAMBRIAN SEAS. <i>Journal of Paleontology</i> , 2007, 81, 445-471.	0.5	56
21	QUANTITATIVE ANALYSIS OF TAPHOFACIES AND PALEOCOMMUNITIES IN THE EARLY CAMBRIAN CHENGJIANG LAGERSTÄTTE. <i>Palaios</i> , 2009, 24, 826-839.	0.6	55
22	<i>Banffia constricta</i> , a putative vetulicolid from the Middle Cambrian Burgess Shale. <i>Transactions of the Royal Society of Edinburgh: Earth Sciences</i> , 2005, 96, 95-111.	1.0	53
23	Hallucigenia's head and the pharyngeal armature of early ecdysozoans. <i>Nature</i> , 2015, 523, 75-78.	13.7	53
24	<i>Waptia fieldensis</i> Walcott, a mandibulate arthropod from the middle Cambrian Burgess Shale. <i>Royal Society Open Science</i> , 2018, 5, 172206.	1.1	51
25	A large new leanchioid from the Burgess Shale and the influence of inapplicable states on stem arthropod phylogeny. <i>Palaeontology</i> , 2015, 58, 629-660.	1.0	50
26	The gnathobasic spine microstructure of recent and Silurian chelicerates and the Cambrian arthropodan <i>Sidneyia</i> : Functional and evolutionary implications. <i>Arthropod Structure and Development</i> , 2018, 47, 12-24.	0.8	50
27	The Burgess Shale paleocommunity with new insights from Marble Canyon, British Columbia. <i>Paleobiology</i> , 2020, 46, 58-81.	1.3	47
28	Waptia and the Diversification of Brood Care in Early Arthropods. <i>Current Biology</i> , 2016, 26, 69-74.	1.8	44
29	A spinose stem group brachiopod with pedicle from the Middle Cambrian Burgess Shale. <i>Acta Zoologica</i> , 2006, 87, 273-290.	0.6	43
30	Beyond the Burgess Shale: Cambrian microfossils track the rise and fall of hallucigeniid lobopodians. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131613.	1.2	43
31	Cephalic and Limb Anatomy of a New Isoxyid from the Burgess Shale and the Role of a Stem Bivalved Arthropod in the Disparity of the Frontal-most Appendage. <i>PLoS ONE</i> , 2015, 10, e0124979.	1.1	43
32	Reply to Butterfield on stem-group "worms": fossil lophotrochozoans in the Burgess Shale. <i>BioEssays</i> , 2007, 29, 200-202.	1.2	41
33	Cambrian suspension-feeding tubicolous hemichordates. <i>BMC Biology</i> , 2016, 14, 56.	1.7	40
34	A middle Cambrian arthropod with chelicerae and proto-book gills. <i>Nature</i> , 2019, 573, 586-589.	13.7	39
35	Mandibulate convergence in an armoured Cambrian stem chelicerate. <i>BMC Evolutionary Biology</i> , 2017, 17, 261.	3.2	38
36	A new hurdiid radiodont from the Burgess Shale evinces the exploitation of Cambrian infaunal food sources. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191079.	1.2	35

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37	New Middle Cambrian bivalved arthropods from the Burgess Shale (British Columbia, Canada). <i>Palaeontology</i> , 2014, 57, 691-711.	1.0	33
38	A New Stalked Filter-Feeder from the Middle Cambrian Burgess Shale, British Columbia, Canada. <i>PLoS ONE</i> , 2012, 7, e29233.	1.1	32
39	Brachiopods hitching a ride: an early case of commensalism in the middle Cambrian Burgess Shale. <i>Scientific Reports</i> , 2014, 4, 6704.	1.6	32
40	Survival on a soft seafloor: life strategies of brachiopods from the Cambrian Burgess Shale. <i>Earth-Science Reviews</i> , 2015, 151, 266-287.	4.0	30
41	Demecology in the Cambrian: synchronized molting in arthropods from the Burgess Shale. <i>BMC Biology</i> , 2013, 11, 64.	1.7	27
42	Using experimental decay of modern forms to reconstruct the early evolution and morphology of fossil enteropneusts. <i>Paleobiology</i> , 2015, 41, 460-478.	1.3	26
43	Three new naraoiid species from the Burgess Shale, with a morphometric and phylogenetic reinvestigation of Naraoiidae. <i>Palaeontology</i> , 2019, 62, 19-50.	1.0	26
44	A reexamination of <i>Yuknessia</i> from the Cambrian of British Columbia and Utah. <i>Journal of Paleontology</i> , 2015, 89, 82-95.	0.5	25
45	Competition and mimicry: the curious case of chaetae in brachiopods from the middle Cambrian Burgess Shale. <i>BMC Evolutionary Biology</i> , 2015, 15, 42.	3.2	24
46	Paleocommunity Analysis of the Burgess Shale Tulip Beds, Mount Stephen, British Columbia: Comparison with the Walcott Quarry and Implications for Community Variation in the Burgess Shale. <i>Paleobiology</i> , 2016, 42, 27-53.	1.3	23
47	Cambrian suspension-feeding lobopodians and the early radiation of panarthropods. <i>BMC Evolutionary Biology</i> , 2017, 17, 29.	3.2	23
48	Skimming the surface with Burgess Shale arthropod locomotion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1613-1620.	1.2	19
49	A Large Cambrian Chaetognath with Supernumerary Grasping Spines. <i>Current Biology</i> , 2017, 27, 2536-2543.e1.	1.8	19
50	A NEW LATE SILURIAN (PRIDOLIAN) NARAOIID (EUARTHROPODA: NEKTASPIDA) FROM THE BERTIE FORMATION OF SOUTHERN ONTARIO, CANADA – DELAYED FALLOUT FROM THE CAMBRIAN EXPLOSION. <i>Journal of Paleontology</i> , 2004, 78, 1138-1145.	0.5	18
51	A New Burgess Shale Polychaete and the Origin of the Annelid Head Revisited. <i>Current Biology</i> , 2018, 28, 319-326.e1.	1.8	18
52	A three-eyed radiodont with fossilized neuroanatomy informs the origin of the arthropod head and segmentation. <i>Current Biology</i> , 2022, 32, 3302-3316.e2.	1.8	18
53	First record of the brachiopod <i>Lingulella waptaensis</i> with pedicle from the Middle Cambrian Burgess Shale. <i>Acta Zoologica</i> , 2010, 91, 150-162.	0.6	17
54	TAPHONOMY AND DEPOSITIONAL SETTING OF THE BURGESS SHALE TULIP BEDS, MOUNT STEPHEN, BRITISH COLUMBIA. <i>Palaaios</i> , 2014, 29, 309-324.	0.6	17

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55	<i>Canada spinosa</i> and the early evolution of the annelid nervous system. <i>Science Advances</i> , 2019, 5, eaax5858.	4.7	17
56	Burgess Shale fossils shed light on the agnostid problem. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182314.	1.2	16
57	Exceptional multifunctionality in the feeding apparatus of a mid-Cambrian radiodont. <i>Paleobiology</i> , 0, 1-21.	1.3	16
58	Amiskwia is a large Cambrian gnathiferan with complex gnathostomulid-like jaws. <i>Communications Biology</i> , 2019, 2, 164.	2.0	14
59	Trace fossils associated with Burgess Shale non-biomineralized carapaces: bringing taphonomic and ecological controls into focus. <i>Royal Society Open Science</i> , 2019, 6, 172074.	1.1	14
60	A giant nektobenthic radiodont from the Burgess Shale and the significance of hurdiid carapace diversity. <i>Royal Society Open Science</i> , 2021, 8, 210664.	1.1	14
61	A new Late Silurian (Pridolian) naraoiid (Euarthropoda: Nektaspida) from the Bertie Formation of southern Ontario, Canada—delayed fallout from the Cambrian explosion. <i>Journal of Paleontology</i> , 2004, 78, 1138-1145.	0.5	11
62	The Collins™ monster, a spinous suspension-feeding lobopodian from the Cambrian Burgess Shale of British Columbia. <i>Palaeontology</i> , 2020, 63, 979-994.	1.0	11
63	Symbiosis in the Cambrian: enteropneust tubes from the Burgess Shale co-inhabited by commensal polychaetes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210061.	1.2	11
64	Reexamination of <i>Yuknessia</i> from the Cambrian of China and first report of <i>Fuxianospira</i> from North America. <i>Journal of Paleontology</i> , 2015, 89, 899-911.	0.5	10
65	Cambrian Tentaculate Worms and the Origin of the Hemichordate Body Plan. <i>Current Biology</i> , 2020, 30, 4238-4244.e1.	1.8	10
66	A new family of Cambrian rhynchonelliformean brachiopods (<i>O</i>) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 302	1.0	9
67	A Burgess Shale mandibulate arthropod with a pygidium: a case of convergent evolution. <i>Papers in Palaeontology</i> , 2021, 7, 1877.	0.7	9
68	A possible case of inverted lifestyle in a new bivalved arthropod from the Burgess Shale. <i>Royal Society Open Science</i> , 2019, 6, 191350.	1.1	8
69	<i>Nectocaris</i> and early cephalopod evolution: reply to Mazurek & ZatoÅ„. <i>Lethaia</i> , 2011, 44, 369-372.	0.6	7
70	On the Hydrodynamics of <i>Anomalocaris</i> Tail Fins. <i>Integrative and Comparative Biology</i> , 2018, 58, 703-711.	0.9	7
71	Ancient worms in armour. <i>Nature</i> , 2008, 451, 133-134.	13.7	6
72	THE LIMITS OF BURGESS SHALE-TYPE PRESERVATION: ASSESSING THE EVIDENCE FOR PRESERVATION OF THE BLOOD PROTEIN HEMOCYANIN IN THE BURGESS SHALE. <i>Palaios</i> , 2019, 34, 291-299.	0.6	6

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73	Synchrotron imagery of phosphatized eggs in <i>Waptia</i> cf. <i>W.</i> <i>fieldensis</i> from the middle Cambrian (Miaolingian, Wuliuan) Spence Shale of Utah. <i>Journal of Paleontology</i> , 2022, 96, 152-163.	0.5	5
74	Des mammifères de l'Aquitainien inférieur à La Roche-Blanche-Gergovie (Puy-de-Dôme, France), révélateurs de l'activité post-oligocène du rift en Limagne de Clermont. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 1999, 328, 847-852.	0.2	4
75	A new marrellomorph arthropod from southern Ontario: a rare case of soft-tissue preservation on a Late Ordovician open marine shelf. <i>Journal of Paleontology</i> , 2022, 96, 859-874.	0.5	4
76	Fish without Tail Fins—Exploring the Function of Tail Morphology of the First Vertebrates. <i>Integrative and Comparative Biology</i> , 2021, 61, 37-49.	0.9	3
77	Extreme multisegmentation in a giant bivalved arthropod from the Cambrian Burgess Shale. <i>IScience</i> , 2022, , 104675.	1.9	3
78	Primitive Fishes from the Middle Cambrian of Laurentia. <i>The Paleontological Society Special Publications</i> , 2014, 13, 76-76.	0.0	0
79	Cambrian explosion fossils from the North China craton. <i>National Science Review</i> , 0, , .	4.6	0
80	A new marrellomorph arthropod from southern Ontario: a rare case of soft-tissue preservation on a Late Ordovician open marine shelf — ERRATUM. <i>Journal of Paleontology</i> , 2022, 96, 977-977.	0.5	0