Jean-Bernard Caron

List of Publications by Year
in descending order

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	Synchrotron imagery of phosphatized eggs in Waptia cf. W. fieldensis from the middle Cambrian (Miaolingian, Wuliuan) Spence Shale of Utah. Journal of Paleontology, 2022, 96, 152-163.	0.5	5
2	A new marrellomorph arthropod from southern Ontario: a rare case of soft-tissue preservation on a Late Ordovician open marine shelf. Journal of Paleontology, 2022, 96, 859-874.	0.5	4
3	A new marrellomorph arthropod from southern Ontario: a rare case of soft-tissue preservation on a Late Ordovician open marine shelf â€“ ERRATUM. Journal of Paleontology, 2022, 96, 977-977.	0.5	0
4	Extreme multisegmentation in a giant bivalved arthropod from the Cambrian Burgess Shale. IScience, 2022, , 104675.	1.9	3
5	A three-eyed radiodont with fossilized neuroanatomy informs the origin of the arthropod head and segmentation. Current Biology, 2022, 32, 3302-3316.e2.	1.8	18
6	Fish without Tail Finsâ€”Exploring the Function of Tail Morphology of the First Vertebrates. Integrative and Comparative Biology, 2021, 61, 37-49.	0.9	3
7	Symbiosis in the Cambrian: enteropneust tubes from the Burgess Shale co-inhabited by commensal polychaetes. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210061.	1.2	11
8	A Burgess Shale mandibulate arthropod with a pygidium: a case of convergent evolution. Papers in Palaeontology, 2021, 7, 1877.	0.7	9
9	A giant nektobenthic radiodont from the Burgess Shale and the significance of hurdiid carapace diversity. Royal Society Open Science, 2021, 8, 210664.	1.1	14
10	Cambrian Tentaculate Worms and the Origin of the Hemichordate Body Plan. Current Biology, 2020, 30, 4238-4244.e1.	1.8	10
11	The Collinsâ€™ monster, a spinous suspensionâ€feeding lobopodian from the Cambrian Burgess Shale of British Columbia. Palaeontology, 2020, 63, 979-994.	1.0	11
12	The Burgess Shale paleocommunity with new insights from Marble Canyon, British Columbia. Paleobiology, 2020, 46, 58-81.	1.3	47
13	A new hurdiid radiodont from the Burgess Shale evinces the exploitation of Cambrian infaunal food sources. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191079.	1.2	35
14	A possible case of inverted lifestyle in a new bivalved arthropod from the Burgess Shale. Royal Society Open Science, 2019, 6, 191350.	1.1	8
15	A middle Cambrian arthropod with chelicerae and proto-book gills. Nature, 2019, 573, 586-589.	13.7	39
16	Canadia spinosa and the early evolution of the annelid nervous system. Science Advances, 2019, 5, eaax5858.	4.7	17
17	THE LIMITS OF BURGESS SHALE-TYPE PRESERVATION: ASSESSING THE EVIDENCE FOR PRESERVATION OF THE BLOOD PROTEIN HEMOCYANIN IN THE BURGESS SHALE. Palaios, 2019, 34, 291-299.	0.6	6
18	Amiskwia is a large Cambrian gnathiferan with complex gnathostomulid-like jaws. Communications Biology, 2019, 2, 164.	2.0	14

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19	Burgess Shale fossils shed light on the agnostid problem. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182314.	1.2	16
20	Trace fossils associated with Burgess Shale non-biomineralized carapaces: bringing taphonomic and ecological controls into focus. Royal Society Open Science, 2019, 6, 172074.	1.1	14
21	Three new naraoiid species from the Burgess Shale, with a morphometric and phylogenetic reinvestigation of Naraoiidae. Palaeontology, 2019, 62, 19-50.	1.0	26
22	A New Burgess Shale Polychaete and the Origin of the Annelid Head Revisited. Current Biology, 2018, 28, 319-326.e1.	1.8	18
23	On the Hydrodynamics of Anomalocaris Tail Fins. Integrative and Comparative Biology, 2018, 58, 703-711.	0.9	7
24	Softâ€Bodied Fossils Are Not Simply Rotten Carcasses â€“ Toward a Holistic Understanding of Exceptional Fossil Preservation. BioEssays, 2018, 40, 1700167.	1.2	84
25	The gnathobasic spine microstructure of recent and Silurian chelicerates and the Cambrian artiopodan Sidneyia : Functional and evolutionary implications. Arthropod Structure and Development, 2018, 47, 12-24.	0.8	50
26	Waptia fieldensisWalcott, a mandibulate arthropod from the middle Cambrian Burgess Shale. Royal Society Open Science, 2018, 5, 172206.	1.1	51
27	Cambrian suspension-feeding lobopodians and the early radiation of panarthropods. BMC Evolutionary Biology, 2017, 17, 29.	3.2	23
28	Hyoliths are Palaeozoic lophophorates. Nature, 2017, 541, 394-397.	13.7	82
29	Burgess Shale fossils illustrate the origin of the mandibulate body plan. Nature, 2017, 545, 89-92.	13.7	63
30	A Large Cambrian Chaetognath with Supernumerary Grasping Spines. Current Biology, 2017, 27, 2536-2543.e1.	1.8	19
31	Mandibulate convergence in an armoured Cambrian stem chelicerate. BMC Evolutionary Biology, 2017, 17, 261.	3.2	38
32	Cambrian suspension-feeding tubicolous hemichordates. BMC Biology, 2016, 14, 56.	1.7	40
33	A new family of <scp>C</scp>ambrian rhynchonelliformean brachiopods (<scp>O</scp>rder) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	9
34	Waptia and the Diversification of Brood Care in Early Arthropods. Current Biology, 2016, 26, 69-74.	1.8	44
35	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. Paleobiology, 2016, 42, 27-53.	1.3	23
36	Reexamination of Yuknessia from the Cambrian of China and first report of Fuxianospira from North America. Journal of Paleontology, 2015, 89, 899-911.	0.5	10

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37	Competition and mimicry: the curious case of chaetae in brachiopods from the middle Cambrian Burgess Shale. BMC Evolutionary Biology, 2015, 15, 42.	3.2	24
38	Cephalic and Limb Anatomy of a New Isoxyid from the Burgess Shale and the Role of â€œStem Bivalved Arthropodsâ€•in the Disparity of the Frontalmost Appendage. PLoS ONE, 2015, 10, e0124979.	1.1	43
39	Using experimental decay of modern forms to reconstruct the early evolution and morphology of fossil enteropneusts. Paleobiology, 2015, 41, 460-478.	1.3	26
40	Hallucigeniaâ€™s head and the pharyngeal armature of early ecdysozoans. Nature, 2015, 523, 75-78.	13.7	53
41	A large new leanchoiliid from the <scp>B</scp>urgess <scp>S</scp>hale and the influence of inapplicable states on stem arthropod phylogeny. Palaeontology, 2015, 58, 629-660.	1.0	50
42	Survival on a soft seafloor: life strategies of brachiopods from the Cambrian Burgess Shale. Earth-Science Reviews, 2015, 151, 266-287.	4.0	30
43	A reexamination of Yuknessia from the Cambrian of British Columbia and Utah. Journal of Paleontology, 2015, 89, 82-95.	0.5	25
44	Primitive Fishes from the Middle Cambrian of Laurentia. The Paleontological Society Special Publications, 2014, 13, 76-76.	0.0	0
45	TAPHONOMY AND DEPOSITIONAL SETTING OF THE BURGESS SHALE TULIP BEDS, MOUNT STEPHEN, BRITISH COLUMBIA. Palaios, 2014, 29, 309-324.	0.6	17
46	New <scp>M</scp>iddle <scp>C</scp>ambrian bivalved arthropods from the <scp>B</scp>urgess <scp>S</scp>hale (<scp>B</scp>ritish <scp>C</scp>olumbia, <scp>C</scp>anada). Palaeontology, 2014, 57, 691-711.	1.0	33
47	A new phyllopod bed-like assemblage from the Burgess Shale of the Canadian Rockies. Nature Communications, 2014, 5, 3210.	5.8	86
48	Diversity and species abundance patterns of the Early Cambrian (Series 2, Stage 3) Chengjiang Biota from China. Paleobiology, 2014, 40, 50-69.	1.3	58
49	A primitive fish from the Cambrian of North America. Nature, 2014, 512, 419-422.	13.7	122
50	Brachiopods hitching a ride: an early case of commensalism in the middle Cambrian Burgess Shale. Scientific Reports, 2014, 4, 6704.	1.6	32
51	Demecology in the Cambrian: synchronized molting in arthropods from the Burgess Shale. BMC Biology, 2013, 11, 64.	1.7	27
52	Tubicolous enteropneusts from the Cambrian period. Nature, 2013, 495, 503-506.	13.7	64
53	Morphology and systematics of the anomalocaridid arthropodHurdiafrom the Middle Cambrian of British Columbia and Utah. Journal of Systematic Palaeontology, 2013, 11, 743-787.	0.6	74
54	Beyond the Burgess Shale: Cambrian microfossils track the rise and fall of hallucigeniid lobopodians. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131613.	1.2	43

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55	Skimming the surface with Burgess Shale arthropod locomotion. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1613-1620.	1.2	19
56	Spatial variation in the diversity and composition of the Lower Cambrian (Series 2, Stage 3) Chengjiang Biota, Southwest China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 346-347, 54-65.	1.0	61
57	Pikaia gracilens Walcott, a stemâ€group chordate from the Middle Cambrian of British Columbia. Biological Reviews, 2012, 87, 480-512.	4.7	81
58	Cambrian bivalved arthropod reveals origin of arthrodization. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4699-4704.	1.2	84
59	A New Stalked Filter-Feeder from the Middle Cambrian Burgess Shale, British Columbia, Canada. PLoS ONE, 2012, 7, e29233.	1.1	32
60	Nectocaris and early cephalopod evolution: reply to Mazurek & ZatoÅ„. Lethaia, 2011, 44, 369-372.	0.6	7
61	Primitive soft-bodied cephalopods from the Cambrian. Nature, 2010, 465, 469-472.	13.7	60
62	First record of the brachiopod Lingulella waptaensis with pedicle from the Middle Cambrian Burgess Shale. Acta Zoologica, 2010, 91, 150-162.	0.6	17
63	Tentaculate Fossils from the Cambrian of Canada (British Columbia) and China (Yunnan) Interpreted as Primitive Deuterostomes. PLoS ONE, 2010, 5, e9586.	1.1	68
64	A new Burgess Shaleâ€“type assemblage from the â€œthinâ€•Stephen Formation of the southern Canadian Rockies. Geology, 2010, 38, 811-814.	2.0	73
65	The Burgess Shale Anomalocaridid Hurdia and Its Significance for Early Euarthropod Evolution. Science, 2009, 323, 1597-1600.	6.0	146
66	QUANTITATIVE ANALYSIS OF TAPHOFACIES AND PALEOCOMMUNITIES IN THE EARLY CAMBRIAN CHENGJIANG LAGERSTATTE. Palaios, 2009, 24, 826-839.	0.6	55
67	Ancient worms in armour. Nature, 2008, 451, 133-134.	13.7	6
68	Paleoecology of the Greater Phyllopod Bed community, Burgess Shale. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 258, 222-256.	1.0	144
69	TUZOIA: MORPHOLOGY AND LIFESTYLE OF A LARGE BIVALVED ARTHROPOD OF THE CAMBRIAN SEAS. Journal of Paleontology, 2007, 81, 445-471.	0.5	56
70	Halwaxiids and the Early Evolution of the Lophotrochozoans. Science, 2007, 315, 1255-1258.	6.0	108
71	Reply to Butterfield on stem-group â€œwormsâ€• fossil lophotrochozoans in the Burgess Shale. BioEssays, 2007, 29, 200-202.	1.2	41
72	TAPHONOMY OF THE GREATER PHYLLOPOD BED COMMUNITY, BURGESS SHALE. Palaios, 2006, 21, 451-465.	0.6	92

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73	A spinose stem group brachiopod with pedicle from the Middle Cambrian Burgess Shale. Acta Zoologica, 2006, 87, 273-290.	0.6	43
74	A soft-bodied mollusc with radula from the Middle Cambrian Burgess Shale. Nature, 2006, 442, 159-163.	13.7	139
75	Banffia constricta, a putative vetulicolid from the Middle Cambrian Burgess Shale. Transactions of the Royal Society of Edinburgh: Earth Sciences, 2005, 96, 95-111.	1.0	53
76	A new Late Silurian (Pridolian) naraoiid (Euarthropoda: Nektaspida) from the Bertie Formation of southern Ontario, Canadaâ€”delayed fallout from the Cambrian explosion. Journal of Paleontology, 2004, 78, 1138-1145.	0.5	11
77	A NEW LATE SILURIAN (PRIDOLIAN) NARAOIID (EUARTHROPODA: NEKTASPIDA) FROM THE BERTIE FORMATION OF SOUTHERN ONTARIO, CANADAâ€”DELAYED FALLOUT FROM THE CAMBRIAN EXPLOSION. Journal of Paleontology, 2004, 78, 1138-1145.	0.5	18
78	Des mammifÃ¨res de l'Aquitanien infÃ©rieur Ã La Roche-Blanche-Gergovie (Puy-de-DÃ´me, France), rÃ©vÃ©lateurs de l'activitÃ© post-oligocÃ¨ne du rift en Limagne de Clermont. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 1999, 328, 847-852.	0.2	4
79	Exceptional multifunctionality in the feeding apparatus of a mid-Cambrian radiodont. Paleobiology, 0, , 1-21.	1.3	16
80	Cambrian explosion fossils from the North China craton. National Science Review, 0, , .	4.6	0