Philippe Janvier

List of Publications by Year
in descending order

106 papers	3,745 citations	117625 34 h-index	149698 56 g-index
130 all docs	130 docs citations	130 times ranked	2344 citing authors

#	Article	IF	Citations
1	Agnathans and the origin of jawed vertebrates. Nature, 1993, 361, 129-134.	27.8	366
2	Large colonial organisms with coordinated growth in oxygenated environments 2.1â€‰Gyr ago. Nature, 2010, 466, 100-104.	27.8	235
3	The phylogeny of the Craniata, with particular reference to the significance of fossil â€œagnathansâ€. Journal of Vertebrate Paleontology, 1981, 1, 121-159.	1.0	195
4	A primitive fossil fish sheds light on the origin of bony fishes. Nature, 1999, 397, 607-610.	27.8	147
5	Fossil jawless fish from China foreshadows early jawed vertebrate anatomy. Nature, 2011, 476, 324-327.	27.8	112
6	Complete Mitochondrial DNA of the Hagfish, Eptatretus burgeri: The Comparative Analysis of Mitochondrial DNA Sequences Strongly Supports the Cyclostome Monophyly. Molecular Phylogenetics and Evolution, 2002, 22, 184-192.	2.7	103
7	Jaws and teeth of the earliest bony fishes. Nature, 2007, 448, 583-586.	27.8	87
8	Skull and brain of a 300-million-year-old chimaeroid fish revealed by synchrotron holotomography. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5224-5228.	7.1	81
9	Facts and fancies about early fossil chordates and vertebrates. Nature, 2015, 520, 483-489.	27.8	80
10	Hardistiella montanensisn. gen. et sp. (Petromyzontida) from the Lower Carboniferous of Montana, with remarks on the affinities of the lampreys. Journal of Vertebrate Paleontology, 1983, 2, 407-413.	1.0	78
11	Modern look for ancient lamprey. Nature, 2006, 443, 921-923.	27.8	75
12	Early Jawless Vertebrates and Cyclostome Origins. Zoological Science, 2008, 25, 1045-1056.	0.7	75
13	Motion from the past. A new method to infer vestibular capacities of extinct species. Comptes Rendus - Palevol, 2010, 9, 397-410.	0.2	70
14	Fish suggests continental connections between the Indochina and South China blocks in Middle Devonian time. Geology, 1996, 24, 571.	4.4	69
15	Duplications of hox gene clusters and the emergence of vertebrates. Developmental Biology, 2013, 378, 194-199.	2.0	62
16	A New Paleozoic Symmoriiformes (Chondrichthyes) from the Late Carboniferous of Kansas (USA) and Cladistic Analysis of Early Chondrichthyans. PLoS ONE, 2011, 6, e24938.	2.5	60
17	microRNAs revive old views about jawless vertebrate divergence and evolution. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19137-19138.	7.1	55
18	Otx1geneâ€controlled morphogenesis of the horizontal semicircular canal and the origin of the gnathostome characteristics. Evolution & Development, 2000, 2, 186-193.	2.0	54

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19	Jaw muscularization requires Dlx expression by cranial neural crest cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11441-11446.	7.1	51
20	Devonian tetrapod from western Europe. Nature, 2004, 427, 412-413.	27.8	50
21	Calcified cartilage in the paired fins of the osteostracanEscuminaspis laticeps(Traquair 1880), from the Late Devonian of Miguasha (QuÃ©bec, Canada), with a consideration of the early evolution of the pectoral fin endoskeleton in vertebrates. Journal of Vertebrate Paleontology, 2004, 24, 773-779.	1.0	49
22	The Complete Nucleotide Sequence of the Mitochondrial DNA of the Agnathan Lampetra fluviatilis: Bearings on the Phylogeny of Cyclostomes. Molecular Biology and Evolution, 2000, 17, 519-529.	8.9	48
23	Catching the first fish. Nature, 1999, 402, 21-22.	27.8	47
24	The relationships of the Osteostraci and Galeaspida. Journal of Vertebrate Paleontology, 1984, 4, 344-358.	1.0	44
25	The Complete Nucleotide Sequence of the Mitochondrial DNA of the Dogfish, Scyliorhinus canicula. Genetics, 1998, 150, 331-344.	2.9	44
26	The Giant Cretaceous Coelacanth (Actinistia, Sarcopterygii) Megalocoelacanthus dobiei Schwimmer, Stewart & Williams, 1994, and Its Bearing on Latimerioidei Interrelationships. PLoS ONE, 2012, 7, e49911.	2.5	44
27	Molecular Dynamics of Retinoic Acid-Induced Craniofacial Malformations: Implications for the Origin of Gnathostome Jaws. PLoS ONE, 2007, 2, e510.	2.5	43
28	New Data on the Internal Anatomy of the Heterostraci (Agnatha), with General Remarks on the Phytogeny of the Craniota. Zoologica Scripta, 1979, 8, 287-296.	1.7	40
29	Denticles in thelodonts. Nature, 1993, 364, 107-107.	27.8	40
30	Oldest coelacanth, from the Early Devonian of Australia. Biology Letters, 2006, 2, 443-446.	2.3	40
31	Lamprey-like gills in a gnathostome-related Devonian jawless vertebrate. Nature, 2006, 440, 1183-1185.	27.8	39
32	Living Primitive Fishes and Fishes From Deep Time. Fish Physiology, 2007, 26, 1-51.	0.8	38
33	Calcification of early vertebrate cartilage. Nature, 2002, 417, 609-609.	27.8	36
34	The buccohypophyseal canal is an ancestral vertebrate trait maintained by modulation in sonic hedgehog signaling. BMC Biology, 2013, 11, 27.	3.8	35
35	Neurocranial development of the coelacanth and the evolution of the sarcopterygian head. Nature, 2019, 569, 556-559.	27.8	35
36	Conodonts join the club. Nature, 1995, 374, 761-762.	27.8	34

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37	Vertebrate characters and the Cambrian vertebrates. Comptes Rendus - Palevol, 2003, 2, 523-531.	0.2	34
38	Teeth before jaws? Comparative analysis of the structure and development of the external and internal scales in the extinct jawless vertebrate<scp>L</scp>oganellia scotica. Evolution & Development, 2011, 13, 523-532.	2.0	34
39	Cyclotosaurus cf. Posthumus Fraas (Capitosauridae, Stereospondyli) from the Huai Hin Lat Formation (Upper Triassic), Northeastern Thailand. Geobios, 1981, 14, 711-725.	1.4	32
40	A small antiarch,Minicrania lirouyiigen. et sp. nov., from the Early Devonian of Qujing, Yunnan (China), with remarks on antiarch phylogeny. Journal of Vertebrate Paleontology, 1996, 16, 1-15.	1.0	31
41	A second lamprey from the Lower Carboniferous (Namurian) of Bear Gulch, Montana (U.S.A.). Geobios, 1986, 19, 647-652.	1.4	30
42	Born-again hagfishes. Nature, 2007, 446, 622-623.	27.8	29
43	Silurian and Devonian in Vietnamâ€"Stratigraphy and facies. Journal of Geodynamics, 2013, 69, 165-185.	1.6	25
44	Comparative Anatomy: All Vertebrates Do Have Vertebrae. Current Biology, 2011, 21, R661-R663.	3.9	24
45	The evolution of lamprey (Petromyzontida) life history and the origin of metamorphosis. Reviews in Fish Biology and Fisheries, 2018, 28, 825-838.	4.9	24
46	An enigmatic gnathostome vertebrate skull from the Middle Devonian of Bolivia. Acta Zoologica, 2009, 90, 123-133.	0.8	23
47	Muddy tetrapod origins. Nature, 2010, 463, 40-41.	27.8	23
48	Agnathan brain anatomy and craniate phylogeny. Acta Zoologica, 2009, 90, 52-68.	0.8	22
49	Scale morphology and squamation of the Late Silurian osteichthyanAndreolepisfrom Gotland, Sweden. Historical Biology, 2012, 24, 411-423.	1.4	21
50	The Structure of the IMaso-hypophysial Complex and the Mouth in Fossil and Extant Cyclostomes, with Remarks on Amphiaspiforms. Zoologica Scripta, 1974, 3, 193-200.	1.7	20
51	Lower Devonian vertebrates, arthropods and brachiopods from northern Vietnam. Geobios, 2005, 38, 533-551.	1.4	20
52	Triassic turtle remains from northeastern Thailand. Journal of Vertebrate Paleontology, 1982, 2, 41-46.	1.0	19
53	Early fossils illuminate character evolution and interrelationships of Lampridiformes (Teleostei,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	19
54	Tannuaspis, Tuvaspis and Ilemoraspis,endemic osteostracan genera from the Silurian and Devonian of Tuva and Khakassia (USSR). Geobios, 1985, 18, 493-506.	1.4	18

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55	The Devonian vertebrates (Placodermi, Sarcopterygii) from Central Vietnam and their bearing on the Devonian palaeogeography of Southeast Asia. Journal of Asian Earth Sciences, 1997, 15, 393-406.	2.3	18
56	Les yeux des Cyclostomes fossiles et le problÃ¨me de l'origine des MyxinoÃ¯des. Acta Zoologica, 1975, 56, 1-9.	0.8	17
57	New evidence for the controversial â€œlungsâ€•of the Late Devonian antiarchBothriolepis canadensis(Whiteaves, 1880) (Placodermi: Antiarcha). Journal of Vertebrate Paleontology, 2007, 27, 709-710.	1.0	17
58	The â€˜Tully Monsterâ€™ is not a vertebrate: characters, convergence and taphonomy in Palaeozoic problematic animals. Palaeontology, 2017, 60, 149-157.	2.2	17
59	Fishy fragments tip the scales. Nature, 1996, 383, 757-758.	27.8	15
60	Wandering nostrils. Nature, 2004, 432, 23-24.	27.8	14
61	The Sensory Line System and Its Innervation in the Osteostraci (Agnatha, Cephalaspidomorphi). Zoologica Scripta, 1974, 3, 91-99.	1.7	13
62	Forerunners of four legs. Nature, 1998, 395, 748-749.	27.8	13
63	Late Devonian acanthodians from Colombia. Journal of South American Earth Sciences, 2003, 16, 155-161.	1.4	13
64	Middle Devonian Thelodonti (Agnatha) from the Khush-Yeilagh Formation, North-East Iran. Geobios, 1979, 12, 889-892.	1.4	12
65	Chondrichthyan and actinopterygian remains from theLower Permian Copacabana Formation of Bolivia. Geobios, 1986, 19, 479-493.	1.4	12
66	Nefudina qalibahensis nov. gen., nov. sp.un rhenanide (Vertebrata, Placodermi) du DÃ©vonien infÃ©rieur de la Formation Jauf (Emsien) d'Arabie Saoudite. Geobios, 1995, 28, 109-115.	1.4	12
67	Further consideration of the earliest known lamprey,Hardistiella montanensisJanvier and Lund, 1983, from the Carboniferous of Bear Gulch, Montana, U.S.A.. Journal of Vertebrate Paleontology, 2004, 24, 742-743.	1.0	12
68	The brain in the early fossil jawless vertebrates: Evolutionary information from an empty nutshell. Brain Research Bulletin, 2008, 75, 314-318.	3.0	12
69	The oldest flora of the South China Block, and the stratigraphic bearings of the plant remains from the Ngoc Vung Series, northern Vietnam. Journal of Asian Earth Sciences, 2012, 43, 51-63.	2.3	12
70	Early Devonian fishes from trang Xa (Bac Thai, Vietnam), with remarks on the distribution of the vertebrates in the Song Cau Group. Journal of Southeast Asian Earth Sciences, 1994, 10, 235-243.	0.2	11
71	NEW ONYCHODONTIFORM (OSTEICHTHYES; SARCOPTERYGII) FROM THE LOWER DEVONIAN OF VICTORIA, AUSTRALIA. Journal of Paleontology, 2007, 81, 1031-1043.	0.8	11
72	Squint of the fossil flatfish. Nature, 2008, 454, 169-170.	27.8	11

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73	Study of the pectoral girdle and fins of the Late Carboniferous sibyrhynchid iniopterygians (Vertebrata, Chondrichthyes, Iniopterygia) from Kansas and Oklahoma (USA) by means of microtomography, with comments on iniopterygian relationships. Comptes Rendus - Palevol, 2010, 9, 377-387.	0.2	10
74	New insights into Late Devonian vertebrates and associated fauna from the Cuche Formation (Floresta Massif, Colombia). Journal of Vertebrate Paleontology, 2019, 39, e1620247.	1.0	10
75	Occurrence of Sanqiaspis, Liu, 1975 (Vertebrata, Galeaspida) in the Lower Devonian of Vietnam, with remarks on the anatomy and systematics of the Sanqiaspididae. Comptes Rendus - Palevol, 2009, 8, 59-65.	0.2	9
76	Led by the nose. Nature, 2013, 493, 169-170.	27.8	8
77	Breakdown of trust. Nature, 1989, 341, 16-16.	27.8	7
78	A cold look at odd vertebrate phylogenies. Journal of Molecular Evolution, 1998, 46, 375-377.	1.8	7
79	Major events in early vertebrate evolution. Trends in Ecology and Evolution, 1999, 14, 298-299.	8.7	7
80	Further evidence for the presence of holoptychiid porolepiforms (Sarcopterygii, Dipnomorpha) from the Frasnian of Colombia. Comptes Rendus - Palevol, 2014, 13, 587-597.	0.2	7
81	Jamoytius-like vertebrates from the Lower Devonian Manlius Formation of New York State. Journal of Vertebrate Paleontology, 1984, 4, 501-506.	1.0	6
82	Conodont affinity: a reply. Lethaia, 1988, 21, 27-27.	1.4	6
83	Early Devonian Osteostracans from Severnaya Zemlya, Russia. Journal of Vertebrate Paleontology, 1995, 15, 449-462.	1.0	6
84	On Cephalaspis magnifica Traquair, 1893, from the Middle Devonian of Scotland, and the relationships of the last osteostracans. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2004, 95, 511-525.	0.3	6
85	Swimming withâ€¦Devonian fish. Geology Today, 2006, 22, 66-67.	0.9	6
86	Les premiers vertÃ©brÃ©s et les premiÃ¨res Ã©tapes de lâ€™Ã©volution du crÃ¢ne. Comptes Rendus - Palevol, 2009, 8, 209-219.	0.2	6
87	Cladism defended (reply). Nature, 1979, 280, 542-542.	27.8	5
88	The paired fins of anaspids: one more hypothesis about their function. Journal of Paleontology, 1987, 61, 850-853.	0.8	5
89	Inside-out turned upside-down. Nature, 2013, 502, 457-458.	27.8	5
90	The presumed hagfish Myxineidus gononorum from the Upper Carboniferous of Montceau-les-Mines (SaÃ´ne-et-Loire, France): New data obtained by means of Propagation Phase Contrast X-ray Synchrotron Microtomography. Annales De Paleontologie, 2014, 100, 131-135.	0.5	5

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91	Fossil hagfishes, fossil cyclostomes, and the lost world of â€œostracodermsâ€• Marine Biology, 2015, , 73-94.	0.1	5
92	Combien d'OstÃ©ostracÃ©s a Miguasha?. Geobios, 1995, 28, 19-22.	1.4	4
93	Terrestrialization: the early emergence of the concept. Geological Society Special Publication, 2010, 339, 5-9.	1.3	4
94	The skull ofHagiangella goujetiJanvier, 2005, a high-crested acanthothoracid (Vertebrata,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 31, 531-538.	1.0	4
95	Elasmobranchs and Their Extinct Relatives: Diversity, Relationships, and Adaptations Through Time. Fish Physiology, 2015, 34, 1-17.	0.8	4
96	A new look at the Cretaceous Lamprey Mesomyzon Chang, Zhang & Miao, 2006 from the Jehol Biota. Geodiversitas, 2021, 43, .	0.8	4
97	Bradyodont (Chondrichthyes) teeth from the Permianand Carboniferous of Northern Thailand. Geobios, 1981, 14, 651-653.	1.4	2
98	A Lungfish (Sarcopterygii, Dipnomorpha) Tooth Plate from the Lower Devonian of Vietnam and the Onset of Modern Dipnoan Dental Organization. Journal of Vertebrate Paleontology, 2020, 40, e1772274.	1.0	2
99	Title is missing!. Geobios, 1982, 15, 433-434.	1.4	1
100	Erik Jarvik (1907-98). Nature, 1998, 392, 338-338.	27.8	1
101	The growth of the skull roof plates in Arabosteus variabilis (Acanthothoraci, Placodermi) from the Early Devonian Jauf Formation (Saudi Arabia): Preliminary results. Paleontological Journal, 2014, 48, 992-1002.	0.5	1
102	Title is missing!. Geobios, 1982, 15, 611.	1.4	0
103	Title is missing!. Geobios, 1982, 15, 612.	1.4	0
104	Title is missing!. Geobios, 1982, 15, 431-432.	1.4	0
105	Title is missing!. Geobios, 1982, 15, 437.	1.4	0
106	Clues to the identity of the fossil fish Palaeospondylus. Nature, 0, , .	27.8	0