Jean Besse

List of Publications by Year
in descending order

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84	9,387	53794 45	62596 80
papers	citations	h-index	g-index

88	88	88	5336
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three distinct types of hotspots in the Earthâ€™s mantle. Earth and Planetary Science Letters, 2003, 205, 295-308.	4.4	932
2	Apparent and true polar wander and the geometry of the geomagnetic field over the last 200 Myr. Journal of Geophysical Research, 2002, 107, EPM 6-1-EPM 6-31.	3.3	795
3	On causal links between flood basalts and continental breakup. Earth and Planetary Science Letters, 1999, 166, 177-195.	4.4	659
4	Revised and synthetic apparent polar wander paths of the African, Eurasian, North American and Indian Plates, and true polar wander since 200 Ma. Journal of Geophysical Research, 1991, 96, 4029-4050.	3.3	610
5	Effect of orogeny, plate motion and landâ€“sea distribution on Eurasian climate change over the past 30 million years. Nature, 1997, 386, 788-795.	27.8	560
6	Deccan flood basalts at the Cretaceous/Tertiary boundary?. Earth and Planetary Science Letters, 1986, 80, 361-374.	4.4	549
7	Deccan flood basalts and the Cretaceous/Tertiary boundary. Nature, 1988, 333, 843-846.	27.8	444
8	Paleogeographic maps of the continents bordering the Indian Ocean since the Early Jurassic. Journal of Geophysical Research, 1988, 93, 11791-11808.	3.3	275
9	Palaeomagnetic estimates of crustal shortening in the Himalayan thrusts and Zangbo suture. Nature, 1984, 311, 621-626.	27.8	258
10	4-D evolution of SE Asiaâ€™s mantle from geological reconstructions and seismic tomography. Earth and Planetary Science Letters, 2004, 221, 103-115.	4.4	248
11	Magnetic Field Reversals, Polar Wander, and Core-Mantle Coupling. Science, 1987, 237, 1140-1147.	12.6	234
12	Paleomagnetism and age determinations of the Deccan Traps (India): Results of a Nagpurâ€Bombay Traverse and review of earlier work. Reviews of Geophysics, 1991, 29, 159-190.	23.0	192
13	Simulating the evolution of the Asian and African monsoons during the past 30 Myr using an atmospheric general circulation model. Journal of Geophysical Research, 1999, 104, 11995-12018.	3.3	156
14	Paleomagnetic study of Permian and Mesozoic sedimentary rocks from Northern Thailand supports the extrusion model for Indochina. Earth and Planetary Science Letters, 1993, 117, 525-552.	4.4	155
15	Late Permian to Late Triassic palaeomagnetic data from Iran: constraints on the migration of the Iranian block through the Tethyan Ocean and initial destruction of Pangaea. Geophysical Journal International, 1998, 135, 77-92.	2.4	155
16	Convective patterns under the Indo-Atlantic Â« box Â». Earth and Planetary Science Letters, 2005, 239, 233-252.	4.4	138
17	The Late Permian climate. What can be inferred from climate modelling concerning Pangea scenarios and Hercynian range altitude?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 167, 39-71.	2.3	123
18	New Mesozoic apparent polar wander path for south China: Tectonic consequences. Journal of Geophysical Research, 2001, 106, 8493-8520.	3.3	112

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19	The configuration of Asia prior to the collision of India: Cretaceous paleomagnetic constraints. Journal of Geophysical Research, 1993, 98, 21927-21941.	3.3	109
20	Jurassic paleomagnetic constraints on the collision of the North and South China Blocks. Geophysical Research Letters, 1992, 19, 577-580.	4.0	101
21	Is there a conflict between the Neoproterozoic glacial deposits and the snowball Earth interpretation: an improved understanding with numerical modeling. Earth and Planetary Science Letters, 2003, 208, 101-112.	4.4	98
22	Combined paleomagnetic and isotopic data from the Doushantuo carbonates, South China: implications for the â€œsnowball Earthâ€•hypothesis. Earth and Planetary Science Letters, 2004, 224, 387-398.	4.4	95
23	Evidence for a Neoarchean LIP in the Singhbhum craton, eastern India: Implications to Vaalbara supercontinent. Precambrian Research, 2017, 292, 163-174.	2.7	94
24	A new Late Cretaceous to Present APWP for Asia and its implications for paleomagnetic shallow inclinations in Central Asia and Cenozoic Eurasian plate deformation. Geophysical Journal International, 2013, 192, 1000-1024.	2.4	92
25	New Cretaceous and Early Tertiary paleomagnetic results from Xining-Lanzhou basin, Kunlun and Qiangtang blocks, China: Implications on the geodynamic evolution of Asia. Journal of Geophysical Research, 1998, 103, 21025-21045.	3.3	91
26	Correction to â€œApparent and true polar wander and the geometry of the geomagnetic field over the last 200 Myrâ€• Journal of Geophysical Research, 2003, 108, .	3.3	89
27	Paleomagnetic constraints on the late Cretaceous and Cenozoic tectonics of southeastern Asia. Earth and Planetary Science Letters, 1983, 63, 123-136.	4.4	86
28	Impacts of palaeogeography and sea level changes on Mid-Cretaceous climate. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 247, 357-381.	2.3	84
29	Eastern Asia in the Cretaceous: New paleomagnetic data from South Korea and a new look at Chinese and Japanese data. Journal of Geophysical Research, 1987, 92, 3580-3596.	3.3	80
30	Paleomagnetic results from Triassic sections in the Ordos Basin, North China. Earth and Planetary Science Letters, 1991, 104, 258-277.	4.4	79
31	Paleomagnetism and tectonics of the Southern Tarim Basin, northwestern China. Journal of Geophysical Research, 1996, 101, 22015-22031.	3.3	77
32	Understanding seismic heterogeneities in the lower mantle beneath the Americas from seismic tomography and plate tectonic history. Journal of Geophysical Research, 2007, 112, .	3.3	77
33	A Cretaceous pole from south China, and the Mesozoic hairpin turn of the Eurasian apparent polar wander path. Journal of Geophysical Research, 1991, 96, 4007-4027.	3.3	71
34	New age, geochemical and paleomagnetic data on a 2.21Ga dyke swarm from south India: Constraints on Paleoproterozoic reconstruction. Precambrian Research, 2012, 220-221, 123-138.	2.7	67
35	Lower-Middle Jurassic paleomagnetic data from the Mae Sot area (Thailand): Paleogeographic evolution and deformation history of Southeastern Asia. Earth and Planetary Science Letters, 1995, 136, 325-341.	4.4	60
36	Paleomagnetic results from Saudi Arabia and the Permo-Triassic Pangea configuration. Earth and Planetary Science Letters, 1997, 148, 553-567.	4.4	58

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37	New constraints on the End-Triassic (Upper Norianâ€“Rhaetian) magnetostratigraphy. Earth and Planetary Science Letters, 2007, 255, 458-470.	4.4	55
38	Low paleointensities recorded in 1 to 2.4 Ga Proterozoic dykes, Superior Province, Canada. Earth and Planetary Science Letters, 2003, 213, 79-95.	4.4	53
39	Magnetostratigraphy of the Late Triassic BolÃ¼cektasÄ± Tepe section (southwestern Turkey): implications for changes in magnetic reversal frequency. Physics of the Earth and Planetary Interiors, 1992, 73, 85-108.	1.9	52
40	Magnetostratigraphy of the Mayerling section (Austria) and Erenkolu Mezarlik (Turkey) section: Improvement of the Carnian (late Triassic) magnetic polarity time scale. Earth and Planetary Science Letters, 1994, 125, 173-191.	4.4	52
41	New constraints on the Upper Permian and Lower Triassic geomagnetic polarity timescale from the Abadeh section (central Iran). Journal of Geophysical Research, 2000, 105, 2805-2815.	3.3	51
42	Plate tectonics may control geomagnetic reversal frequency. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	51
43	Magnetostratigraphy of Pliocene Sediments From the Stirone River (Po Valley). Geophysical Journal International, 1993, 112, 359-380.	2.4	49
44	Upper Anisian to Lower Carnian magnetostratigraphy from the Northern Calcareous Alps (Austria). Journal of Geophysical Research, 1998, 103, 605-621.	3.3	49
45	Integrated Upper Carnian to Lower Norian biochronology and implications for the Upper Triassic magnetic polarity time scale. Earth and Planetary Science Letters, 2002, 203, 343-351.	4.4	48
46	Magnetostratigraphy of the Kavur Tepe section (southwestern Turkey): A magnetic polarity time scale for the Norian. Earth and Planetary Science Letters, 1993, 117, 443-456.	4.4	46
47	Constraints on the Ediacaran inertial interchange true polar wander hypothesis: A new paleomagnetic study in Morocco (West African Craton). Precambrian Research, 2017, 295, 90-116.	2.7	45
48	Palaeolatitudes from DSDP Leg 73 sediment cores. implications for the apparent polar wander path for Africa during the late Mesozoic and Cenozoic. Geophysical Journal International, 1983, 73, 315-324.	2.4	43
49	Paleomagnetism of the Xigaze ophiolite and flysch (Yarlung Zangbo suture zone, southern Tibet): latitude and direction of spreading. Earth and Planetary Science Letters, 1984, 70, 383-394.	4.4	42
50	Paleomagnetic study of Sicily: consequences for the deformation of Italian and African margins over the last 100 million years. Earth and Planetary Science Letters, 1984, 67, 377-390.	4.4	42
51	Is high obliquity a plausible cause for Neoproterozoic glaciations?. Geophysical Research Letters, 2002, 29, 42-1-42-4.	4.0	42
52	The 125â€“150ÂMa high-resolution Apparent Polar Wander Path for Adria from magnetostratigraphic sections in Umbriaâ€“Marche (Northern Apennines, Italy): Timing and duration of the global Jurassicâ€“Cretaceous hairpin turn. Earth and Planetary Science Letters, 2007, 257, 329-342.	4.4	39
53	Improving the Upper Triassic numerical time scale from cross-correlation between Tethyan marine sections and the continental Newark basin sequence. Earth and Planetary Science Letters, 2003, 212, 255-261.	4.4	37
54	Long-term evolution of the geomagnetic dipole moment. Physics of the Earth and Planetary Interiors, 2004, 147, 239-246.	1.9	36

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55	Norian magnetostratigraphy from the Scheiblkogel section, Austria: constraint on the origin of the Antalya Nappes, Turkey. Earth and Planetary Science Letters, 1996, 140, 113-122.	4.4	32
56	Mesozoic and Cenozoic evolution of the North and South China blocks. Nature, 1986, 320, 86-87.	27.8	30
57	Transpressive tectonics along a major Eâ€“W crustal structure on the Algerian continental margin: Blocks rotations revealed by a paleomagnetic analysis. Tectonophysics, 2013, 593, 183-192.	2.2	29
58	Mantle dynamics, geoid, inertia and TPW since 120Myr. Earth and Planetary Science Letters, 2010, 292, 301-311.	4.4	28
59	On the possibility of a widespread remagnetization of pre-Oligocene rocks from Northeast Japan and the Miocene rotational opening of the Japan Sea. Earth and Planetary Science Letters, 1987, 84, 321-338.	4.4	27
60	Ostracods and palaeobotany from the middle Permian of Oman: implications on Pangaea reconstruction. Terra Nova, 2001, 13, 38-43.	2.1	27
61	True Polar Wander: A Key Indicator for Plate Configuration and Mantle Convection During the Late Neoproterozoic. Geochemistry, Geophysics, Geosystems, 2018, 19, 3478-3495.	2.5	25
62	North American Jurassic apparent polar wander: the anwser from other continents?. Physics of the Earth and Planetary Interiors, 1994, 82, 87-104.	1.9	23
63	Magnetostratigraphy of the Kavaalani section (southwestern Turkey): Consequence for the origin of the Antalya calcareous nappes (Turkey) and for the Norian (Late Triassic) magnetic polarity timescale. Geophysical Research Letters, 2000, 27, 2033-2036.	4.0	23
64	A Middleâ€Triassic Paleomagnetic Pole for the Eurasian Plate from Heming (France). Geophysical Research Letters, 1992, 19, 777-780.	4.0	22
65	Extension of Cathaysian flora during the Permian. Earth and Planetary Science Letters, 2001, 193, 603-616.	4.4	22
66	Dynamic mantle density heterogeneities and global geodetic observables. Geophysical Journal International, 2010, 180, 1080-1094.	2.4	22
67	Paleomagnetism of Aptianâ€“Albian sections from the Northern Apennines (Italy): Implications for the 150â€“100ÂMa apparent polar wander of Adria and Africa. Earth and Planetary Science Letters, 2008, 276, 115-128.	4.4	21
68	Absolute paleointensity at 1.27 Ga from the Mackenzie dyke swarm (Canada). Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	17
69	The intensity of the geomagnetic field from 2.4 Ga old Indian dykes. Geochemistry, Geophysics, Geosystems, 2014, 15, 2426-2437.	2.5	17
70	A correlation between mid-ocean-ridge basalt chemistry and distance to continents. Nature, 2002, 419, 607-609.	27.8	14
71	Sensitivity experiments on <scp>T</scp>rue <scp>P</scp>olar <scp>W</scp>ander. Geochemistry, Geophysics, Geosystems, 2014, 15, 4599-4616.	2.5	14
72	A Long-Term Octupolar Component in the Geomagnetic Field? (0-200 Million Years B.P.). Geophysical Monograph Series, 0, , 59-74.	0.1	11

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73	A new global Paleoceneâ€“Eocene apparent polar wandering path loop by â€œstackingâ€• magnetostratigraphies: Correlations with high latitude climatic data. Earth and Planetary Science Letters, 2007, 260, 152-165.	4.4	10
74	Paleo movement of continents since 300Ma, mantle dynamics and large wander of the rotational pole. Earth and Planetary Science Letters, 2012, 345-348, 151-158.	4.4	9
75	Reply [to â€œComment on â€˜Paleomagnetic constraints on the geodynamic history of the major blocks of China from the Permian to the Presentâ€™ by R. J. Enkin et al.â€]. Journal of Geophysical Research, 1994, 99, 18043-18048.	3.3	8
76	Rotational bulge and one plume convection pattern: Influence on Martian true polar wander. Earth and Planetary Science Letters, 2008, 272, 212-220.	4.4	7
77	Comments and Reply on "Age estimation of the Deccan Traps from the North American apparent polar wander path". Geology, 1989, 17, 88.	4.4	4
78	Evidence for volcanism triggering extinctions: a short history of IPGP contributions with emphasis on paleomagnetism. , 0, , 228-243.		3
79	Dynamic topography and lithospheric stresses since 400 <scp>M</scp>a. Geochemistry, Geophysics, Geosystems, 2017, 18, 2673-2700.	2.5	3
80	Paleomagnetism, Polar Wander. Encyclopedia of Earth Sciences Series, 2011, , 945-955.	0.1	2
81	Comment and Reply on â€œKinematic model for the opening of the Sea of Japan and the bending of the Japanese islandsâ€• Geology, 1987, 15, 879.	4.4	1
82	When north heads south. Physics World, 2012, 25, 51-55.	0.0	0
83	Paleomagnetism, Polar Wander. Encyclopedia of Earth Sciences Series, 2021, , 1215-1225.	0.1	0
84	Paleomagnetism, Polar Wander. Encyclopedia of Earth Sciences Series, 2020, , 1-12.	0.1	0