

Jean Besse

List of Publications by Year in descending order

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84
papers

9,387
citations

53794

45
h-index

62596

80
g-index

88
all docs

88
docs citations

88
times ranked

5336
citing authors

#	ARTICLE	IF	CITATIONS
1	Paleomagnetism, Polar Wander. Encyclopedia of Earth Sciences Series, 2021, , 1215-1225.	0.1	0
2	Paleomagnetism, Polar Wander. Encyclopedia of Earth Sciences Series, 2020, , 1-12.	0.1	0
3	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
4	Evidence for a Neoproterozoic LIP in the Singhbhum craton, eastern India: Implications to Vaalbara supercontinent. Precambrian Research, 2017, 292, 163-174.	2.7	94
5	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
6	Dynamic topography and lithospheric stresses since 400 Ma. Geochemistry, Geophysics, Geosystems, 2017, 18, 2673-2700.	2.5	3
7	Sensitivity experiments on True Polar Wander. Geochemistry, Geophysics, Geosystems, 2014, 15, 4599-4616.	2.5	14
8	The intensity of the geomagnetic field from 2.4 Ga old Indian dykes. Geochemistry, Geophysics, Geosystems, 2014, 15, 2426-2437.	2.5	17
9	Transpressive tectonics along a major E-W crustal structure on the Algerian continental margin: Blocks rotations revealed by a paleomagnetic analysis. Tectonophysics, 2013, 593, 183-192.	2.2	29
10	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
11	When north heads south. Physics World, 2012, 25, 51-55.	0.0	0
12	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
13	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
14	Plate tectonics may control geomagnetic reversal frequency. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	51
15	Paleomagnetism, Polar Wander. Encyclopedia of Earth Sciences Series, 2011, , 945-955.	0.1	2
16	Dynamic mantle density heterogeneities and global geodetic observables. Geophysical Journal International, 2010, 180, 1080-1094.	2.4	22
17	Mantle dynamics, geoid, inertia and TPW since 120Myr. Earth and Planetary Science Letters, 2010, 292, 301-311.	4.4	28
18	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

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19	Paleomagnetism of Aptian–Albian sections from the Northern Apennines (Italy): Implications for the 150–100 Ma apparent polar wander of Adria and Africa. <i>Earth and Planetary Science Letters</i> , 2008, 276, 115-128.	4.4	21
20	Impacts of palaeogeography and sea level changes on Mid-Cretaceous climate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 247, 357-381.	2.3	84
21	New constraints on the End-Triassic (Upper Norian–Rhaetian) magnetostratigraphy. <i>Earth and Planetary Science Letters</i> , 2007, 255, 458-470.	4.4	55
22	The 125–150 Ma high-resolution Apparent Polar Wander Path for Adria from magnetostratigraphic sections in Umbria–Marche (Northern Apennines, Italy): Timing and duration of the global Jurassic–Cretaceous hairpin turn. <i>Earth and Planetary Science Letters</i> , 2007, 257, 329-342.	4.4	39
23	A new global Paleocene–Eocene apparent polar wandering path loop by ‘‘stacking’’ magnetostratigraphies: Correlations with high latitude climatic data. <i>Earth and Planetary Science Letters</i> , 2007, 260, 152-165.	4.4	10
24	Understanding seismic heterogeneities in the lower mantle beneath the Americas from seismic tomography and plate tectonic history. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	77
25	Absolute paleointensity at 1.27 Ga from the Mackenzie dyke swarm (Canada). <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	17
26	Convective patterns under the Indo-Atlantic ‘‘box’’. <i>Earth and Planetary Science Letters</i> , 2005, 239, 233-252.	4.4	138
27	Combined paleomagnetic and isotopic data from the Doushantuo carbonates, South China: implications for the ‘‘snowball Earth’’ hypothesis. <i>Earth and Planetary Science Letters</i> , 2004, 224, 387-398.	4.4	95
28	Long-term evolution of the geomagnetic dipole moment. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 147, 239-246.	1.9	36
29	4-D evolution of SE Asia’s mantle from geological reconstructions and seismic tomography. <i>Earth and Planetary Science Letters</i> , 2004, 221, 103-115.	4.4	248
30	Correction to ‘‘Apparent and true polar wander and the geometry of the geomagnetic field over the last 200 Myr’’. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	89
31	Three distinct types of hotspots in the Earth’s mantle. <i>Earth and Planetary Science Letters</i> , 2003, 205, 295-308.	4.4	932
32	Is there a conflict between the Neoproterozoic glacial deposits and the snowball Earth interpretation: an improved understanding with numerical modeling. <i>Earth and Planetary Science Letters</i> , 2003, 208, 101-112.	4.4	98
33	Low paleointensities recorded in 1 to 2.4 Ga Proterozoic dykes, Superior Province, Canada. <i>Earth and Planetary Science Letters</i> , 2003, 213, 79-95.	4.4	53
34	Improving the Upper Triassic numerical time scale from cross-correlation between Tethyan marine sections and the continental Newark basin sequence. <i>Earth and Planetary Science Letters</i> , 2003, 212, 255-261.	4.4	37
35	Is high obliquity a plausible cause for Neoproterozoic glaciations?. <i>Geophysical Research Letters</i> , 2002, 29, 42-1-42-4.	4.0	42
36	Integrated Upper Carnian to Lower Norian biochronology and implications for the Upper Triassic magnetic polarity time scale. <i>Earth and Planetary Science Letters</i> , 2002, 203, 343-351.	4.4	48

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37	Apparent and true polar wander and the geometry of the geomagnetic field over the last 200 Myr. <i>Journal of Geophysical Research</i> , 2002, 107, EPM 6-1-EPM 6-31.	3.3	795
38	A correlation between mid-ocean-ridge basalt chemistry and distance to continents. <i>Nature</i> , 2002, 419, 607-609.	27.8	14
39	New Mesozoic apparent polar wander path for south China: Tectonic consequences. <i>Journal of Geophysical Research</i> , 2001, 106, 8493-8520.	3.3	112
40	Extension of Cathaysian flora during the Permian. <i>Earth and Planetary Science Letters</i> , 2001, 193, 603-616.	4.4	22
41	The Late Permian climate. What can be inferred from climate modelling concerning Pangea scenarios and Hercynian range altitude?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2001, 167, 39-71.	2.3	123
42	Ostracods and palaeobotany from the middle Permian of Oman: implications on Pangaea reconstruction. <i>Terra Nova</i> , 2001, 13, 38-43.	2.1	27
43	New constraints on the Upper Permian and Lower Triassic geomagnetic polarity timescale from the Abadeh section (central Iran). <i>Journal of Geophysical Research</i> , 2000, 105, 2805-2815.	3.3	51
44	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. <i>Geophysical Research Letters</i> , 2000, 27, 2033-2036.	4.0	23
45	On causal links between flood basalts and continental breakup. <i>Earth and Planetary Science Letters</i> , 1999, 166, 177-195.	4.4	659
46	Simulating the evolution of the Asian and African monsoons during the past 30 Myr using an atmospheric general circulation model. <i>Journal of Geophysical Research</i> , 1999, 104, 11995-12018.	3.3	156
47	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. <i>Geophysical Journal International</i> , 1998, 135, 77-92.	2.4	155
48	Upper Anisian to Lower Carnian magnetostratigraphy from the Northern Calcareous Alps (Austria). <i>Journal of Geophysical Research</i> , 1998, 103, 605-621.	3.3	49
49	New Cretaceous and Early Tertiary paleomagnetic results from Xining-Lanzhou basin, Kunlun and Qiangtang blocks, China: Implications on the geodynamic evolution of Asia. <i>Journal of Geophysical Research</i> , 1998, 103, 21025-21045.	3.3	91
50	Paleomagnetic results from Saudi Arabia and the Permo-Triassic Pangea configuration. <i>Earth and Planetary Science Letters</i> , 1997, 148, 553-567.	4.4	58
51	Effect of orogeny, plate motion and land-sea distribution on Eurasian climate change over the past 30 million years. <i>Nature</i> , 1997, 386, 788-795.	27.8	560
52	Norian magnetostratigraphy from the Scheiblkogel section, Austria: constraint on the origin of the Antalya Nappes, Turkey. <i>Earth and Planetary Science Letters</i> , 1996, 140, 113-122.	4.4	32
53	Paleomagnetism and tectonics of the Southern Tarim Basin, northwestern China. <i>Journal of Geophysical Research</i> , 1996, 101, 22015-22031.	3.3	77
54	Lower-Middle Jurassic paleomagnetic data from the Mae Sot area (Thailand): Paleogeographic evolution and deformation history of Southeastern Asia. <i>Earth and Planetary Science Letters</i> , 1995, 136, 325-341.	4.4	60

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55	Reply [to "Comment on "Paleomagnetic constraints on the geodynamic history of the major blocks of China from the Permian to the Present" by R. J. Enkin et al.]. Journal of Geophysical Research, 1994, 99, 18043-18048.	3.3	8
56	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
57	North American Jurassic apparent polar wander: the answer from other continents?. Physics of the Earth and Planetary Interiors, 1994, 82, 87-104.	1.9	23
58	Magnetostratigraphy of Pliocene Sediments From the Stirone River (Po Valley). Geophysical Journal International, 1993, 112, 359-380.	2.4	49
59	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
60	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
61	The configuration of Asia prior to the collision of India: Cretaceous paleomagnetic constraints. Journal of Geophysical Research, 1993, 98, 21927-21941.	3.3	109
62	Jurassic paleomagnetic constraints on the collision of the North and South China Blocks. Geophysical Research Letters, 1992, 19, 577-580.	4.0	101
63	A Middle Triassic Paleomagnetic Pole for the Eurasian Plate from Heming (France). Geophysical Research Letters, 1992, 19, 777-780.	4.0	22
64	Magnetostratigraphy of the Late Triassic Bolayir 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
65	Paleomagnetic results from Triassic sections in the Ordos Basin, North China. Earth and Planetary Science Letters, 1991, 104, 258-277.	4.4	79
66	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
67	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
68	Paleomagnetism and age determinations of the Deccan Traps (India): Results of a Nagpur-Bombay Traverse and review of earlier work. Reviews of Geophysics, 1991, 29, 159-190.	23.0	192
69	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
70	Deccan flood basalts and the Cretaceous/Tertiary boundary. Nature, 1988, 333, 843-846.	27.8	444
71	Paleogeographic maps of the continents bordering the Indian Ocean since the Early Jurassic. Journal of Geophysical Research, 1988, 93, 11791-11808.	3.3	275
72	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

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73	Eastern Asia in the Cretaceous: New paleomagnetic data from South Korea and a new look at Chinese and Japanese data. <i>Journal of Geophysical Research</i> , 1987, 92, 3580-3596.	3.3	80
74	Magnetic Field Reversals, Polar Wander, and Core-Mantle Coupling. <i>Science</i> , 1987, 237, 1140-1147.	12.6	234
75	Comment and Reply on "Kinematic model for the opening of the Sea of Japan and the bending of the Japanese islands". <i>Geology</i> , 1987, 15, 879.	4.4	1
76	Deccan flood basalts at the Cretaceous/Tertiary boundary?. <i>Earth and Planetary Science Letters</i> , 1986, 80, 361-374.	4.4	549
77	Mesozoic and Cenozoic evolution of the North and South China blocks. <i>Nature</i> , 1986, 320, 86-87.	27.8	30
78	Palaeomagnetic estimates of crustal shortening in the Himalayan thrusts and Zangbo suture. <i>Nature</i> , 1984, 311, 621-626.	27.8	258
79	Paleomagnetism of the Xigaze ophiolite and flysch (Yarlung Zangbo suture zone, southern Tibet): latitude and direction of spreading. <i>Earth and Planetary Science Letters</i> , 1984, 70, 383-394.	4.4	42
80	Paleomagnetic study of Sicily: consequences for the deformation of Italian and African margins over the last 100 million years. <i>Earth and Planetary Science Letters</i> , 1984, 67, 377-390.	4.4	42
81	Palaeolatitudes from DSDP Leg 73 sediment cores. implications for the apparent polar wander path for Africa during the late Mesozoic and Cenozoic. <i>Geophysical Journal International</i> , 1983, 73, 315-324.	2.4	43
82	Paleomagnetic constraints on the late Cretaceous and Cenozoic tectonics of southeastern Asia. <i>Earth and Planetary Science Letters</i> , 1983, 63, 123-136.	4.4	86
83	A Long-Term Octupolar Component in the Geomagnetic Field? (0-200 Million Years B.P.). <i>Geophysical Monograph Series</i> , 0, , 59-74.	0.1	11
84	Evidence for volcanism triggering extinctions: a short history of IGP contributions with emphasis on paleomagnetism. , 0, , 228-243.		3