

# Jean-Pierre Valet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6388578/publications.pdf>

Version: 2024-02-01

87  
papers

4,918  
citations

94269

37  
h-index

91712

69  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global changes in intensity of the Earth's magnetic field during the past 800 kyr. <i>Nature</i> , 1999, 399, 249-252.	13.7	557
2	Geomagnetic dipole strength and reversal rate over the past two million years. <i>Nature</i> , 2005, 435, 802-805.	13.7	402
3	Geomagnetic field intensity and reversals during the past four million years. <i>Nature</i> , 1993, 366, 234-238.	13.7	377
4	Relative variations in geomagnetic intensity from sedimentary records: the past 200,000 years. <i>Earth and Planetary Science Letters</i> , 1996, 143, 23-36.	1.8	247
5	Time variations in geomagnetic intensity. <i>Reviews of Geophysics</i> , 2003, 41, .	9.0	238
6	Relative geomagnetic intensity of the field during the last 140 ka. <i>Earth and Planetary Science Letters</i> , 1992, 114, 39-57.	1.8	187
7	High-resolution record of the Upper Olduvai transition from Po Valley (Italy) sediments: support for dipolar transition geometry?. <i>Physics of the Earth and Planetary Interiors</i> , 1991, 65, 319-336.	0.7	176
8	Simple Mechanism for Reversals of Earth's Magnetic Field. <i>Physical Review Letters</i> , 2009, 102, 144503.	2.9	134
9	Long-term geometry of the geomagnetic field for the last five million years: An updated secular variation database. <i>Geophysical Research Letters</i> , 1994, 21, 1639-1642.	1.5	107
10	The Blake geomagnetic event: transition geometry, dynamical characteristics and geomagnetic significance.. <i>Earth and Planetary Science Letters</i> , 1991, 102, 1-13.	1.8	103
11	Asymmetrical saw-tooth pattern of the geomagnetic field intensity from equatorial sediments in the Pacific and Indian Oceans. <i>Earth and Planetary Science Letters</i> , 1994, 126, 109-127.	1.8	96
12	Dynamical similarity of geomagnetic field reversals. <i>Nature</i> , 2012, 490, 89-93.	13.7	94
13	Enhanced antitumor efficacy of biocompatible magnetosomes for the magnetic hyperthermia treatment of glioblastoma. <i>Theranostics</i> , 2017, 7, 4618-4631.	4.6	93
14	Deciphering records of geomagnetic reversals. <i>Reviews of Geophysics</i> , 2016, 54, 410-446.	9.0	82
15	Geomagnetic, cosmogenic and climatic changes across the last geomagnetic reversal from Equatorial Indian Ocean sediments. <i>Earth and Planetary Science Letters</i> , 2014, 397, 67-79.	1.8	73
16	Authigenic $^{10}\text{Be}/^{9}\text{Be}$ ratio signatures of the cosmogenic nuclide production linked to geomagnetic dipole moment variation since the Brunhes/Matuyama boundary. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7716-7741.	1.4	63
17	Paleointensity record from Pleistocene sediments (1.4-0 Ma) off the California Margin. <i>Journal of Geophysical Research</i> , 1999, 104, 22953-22964.	3.3	59
18	Equatorial and mid-latitude records of the last geomagnetic reversal from the Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , 1989, 94, 371-384.	1.8	58

#	ARTICLE	IF	CITATIONS
19	Paleomagnetic record of two successive Miocene geomagnetic reversals in western Crete. <i>Earth and Planetary Science Letters</i> , 1981, 54, 53-63.	1.8	56
20	The Matuyama-Brunhes transition recorded from Lake Tecopa sediments (California). <i>Earth and Planetary Science Letters</i> , 1988, 87, 463-472.	1.8	55
21	Geomagnetic changes across the last reversal recorded in lava flows from La Palma, Canary Islands. <i>Journal of Geophysical Research</i> , 1996, 101, 13755-13773.	3.3	55
22	Late Pleistocene Climatic Variations at Achenheim, France, Based on a Magnetic Susceptibility and TL Chronology of Loess. <i>Quaternary Research</i> , 1998, 49, 255-263.	1.0	54
23	Absolute paleointensity from Hawaiian lavas younger than 35 ka. <i>Earth and Planetary Science Letters</i> , 1998, 161, 19-32.	1.8	54
24	Magnetic anomalies of lava fields in the Canary islands. Possible consequences for paleomagnetic records. <i>Physics of the Earth and Planetary Interiors</i> , 1999, 115, 109-118.	0.7	49
25	Geomagnetic excursions reflect an aborted polarity state. <i>Earth and Planetary Science Letters</i> , 2008, 274, 472-478.	1.8	49
26	Testing determinations of absolute paleointensity from the 1955 and 1960 Hawaiian flows. <i>Earth and Planetary Science Letters</i> , 2009, 287, 420-433.	1.8	47
27	New advances for paleomagnetic studies of sediment cores using U <sup>235</sup> channels. <i>Geophysical Research Letters</i> , 1993, 20, 671-674.	1.5	45
28	Relative paleointensity across the last geomagnetic reversal from sediments of the Atlantic, Indian and Pacific oceans. <i>Geophysical Research Letters</i> , 1994, 21, 485-488.	1.5	44
29	Paleomagnetic records of excursions and reversals: possible biases caused by magnetization artefacts. <i>Physics of the Earth and Planetary Interiors</i> , 1994, 82, 27-48.	0.7	43
30	Origin and age of the directions recorded during the Laschamp event in the Chaîne des Puys (France). <i>Earth and Planetary Science Letters</i> , 2007, 259, 414-431.	1.8	42
31	Cosmogenic signature of geomagnetic reversals and excursions from the Réunion event to the Matuyama-Brunhes transition (0.7-2.14 Ma interval). <i>Earth and Planetary Science Letters</i> , 2018, 482, 510-524.	1.8	42
32	Sequential geomagnetic reversals recorded in Upper Tortonian marine clays in western Crete (Greece). <i>Journal of Geophysical Research</i> , 1988, 93, 1131-1151.	3.3	41
33	Invariant and changing transitional field configurations in a sequence of geomagnetic reversals. <i>Nature</i> , 1984, 311, 552-555.	13.7	40
34	Relative paleointensity of the Earth's magnetic field from marine sedimentary records: a global perspective. <i>Physics of the Earth and Planetary Interiors</i> , 1989, 56, 59-68.	0.7	40
35	Paleosecular variation during sequential geomagnetic reversals from Hawaii. <i>Earth and Planetary Science Letters</i> , 1999, 171, 139-148.	1.8	40
36	Paleointensity experiments using alternating field demagnetization. <i>Earth and Planetary Science Letters</i> , 2000, 177, 43-58.	1.8	40

#	ARTICLE	IF	CITATIONS
37	Absolute paleointensities between 60 and 160 kyear BP from Mount Etna (Sicily). <i>Physics of the Earth and Planetary Interiors</i> , 1994, 85, 113-129.	0.7	39
38	Post-depositional realignment of magnetic grains and asymmetrical saw-tooth patterns of magnetization intensity. <i>Earth and Planetary Science Letters</i> , 1996, 140, 123-132.	1.8	37
39	Simulations of a time-varying non-dipole field during geomagnetic reversals and excursions. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 178-193.	0.7	37
40	Long-term evolution of the geomagnetic dipole moment. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 147, 239-246.	0.7	36
41	Absolute paleointensity and reversal records from the Waianae sequence (Oahu, Hawaii, USA). <i>Earth and Planetary Science Letters</i> , 2005, 234, 279-296.	1.8	35
42	The Laschamp-Mono lake geomagnetic events and the extinction of Neanderthal: a causal link or a coincidence?. <i>Quaternary Science Reviews</i> , 2010, 29, 3887-3893.	1.4	34
43	Detrital magnetizations from redeposition experiments of different natural sediments. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 147-157.	1.8	33
44	Magnetostratigraphy and biostratigraphy of the neogene deposits of Kastellios Hill (Central Crete,). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	1.0	32
45	A comparison of different techniques for relative paleointensity. <i>Geophysical Research Letters</i> , 1998, 25, 89-92.	1.5	31
46	Paleointensity across the RÅ©union event in Ethiopia. <i>Earth and Planetary Science Letters</i> , 1999, 170, 17-34.	1.8	31
47	Constraining the age of the last geomagnetic reversal from geochemical and magnetic analyses of Atlantic, Indian, and Pacific Ocean sediments. <i>Earth and Planetary Science Letters</i> , 2019, 506, 323-331.	1.8	29
48	Field dependence on magnetization of laboratory-redeposited deep-sea sediments: First results. <i>Earth and Planetary Science Letters</i> , 1995, 133, 311-325.	1.8	28
49	When and why sediments fail to record the geomagnetic field during polarity reversals. <i>Earth and Planetary Science Letters</i> , 2016, 453, 96-107.	1.8	27
50	Saw-toothed variations of relative paleointensity and cumulative viscous remanence: Testing the records and the model. <i>Journal of Geophysical Research</i> , 1998, 103, 7095-7105.	3.3	26
51	Magnetostratigraphy of late Miocene continental deposits in Samos, Greece. <i>Earth and Planetary Science Letters</i> , 1986, 80, 167-174.	1.8	25
52	Remagnetization in lava flows recording pretransitional directions. <i>Journal of Geophysical Research</i> , 1998, 103, 9755-9775.	3.3	25
53	Some characteristics of geomagnetic reversals inferred from detailed volcanic records. <i>Comptes Rendus - Geoscience</i> , 2003, 335, 79-90.	0.4	25
54	Increased production of cosmogenic <sup>10</sup> Be recorded in oceanic sediment sequences: Information on the age, duration, and amplitude of the geomagnetic dipole moment minimum over the Matuyamaâ€“Brunhes transition. <i>Earth and Planetary Science Letters</i> , 2018, 489, 191-202.	1.8	25

#	ARTICLE	IF	CITATIONS
55	Confounding influence of magnetic fabric on sedimentary records of a field reversal. <i>Nature</i> , 1995, 374, 246-249.	13.7	24
56	Cosmogenic $^{10}\text{Be}$ production records reveal dynamics of geomagnetic dipole moment (GDM) over the Laschamp excursion (20â€“60 ka). <i>Earth and Planetary Science Letters</i> , 2020, 550, 116547.	1.8	23
57	Magnetic properties and origin of Upper Quaternary sediments in the Somali Basin, Indian Ocean. <i>Paleoceanography</i> , 1995, 10, 459-472.	3.0	21
58	Absolute paleointensity between 60 and 400 ka from the Kohala Mountain (Hawaii). <i>Earth and Planetary Science Letters</i> , 1997, 148, 141-156.	1.8	21
59	A map of the Pacific geomagnetic anomaly during the Brunhes chron. <i>Earth and Planetary Science Letters</i> , 2001, 193, 315-332.	1.8	20
60	Multicomponent magnetization in paleomagnetic records of reversals from continental sediments in Bolivia. <i>Earth and Planetary Science Letters</i> , 1992, 111, 23-39.	1.8	18
61	Paleomagnetic secular variation of the Honolulu Volcanic Series (33â€“700 ka), Oâ€™ahu (Hawaii). <i>Physics of the Earth and Planetary Interiors</i> , 2002, 133, 83-97.	0.7	17
62	The intensity of the geomagnetic field from 2.4 Ga old Indian dykes. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2426-2437.	1.0	17
63	Magnetic intensity loss and core diagenesis in long-core samples from the East Cortez Basin and the San Nicolas Basin (California Borderland). <i>Earth, Planets and Space</i> , 1999, 51, 329-336.	0.9	14
64	Detrital magnetization of laboratory-redeposited sediments. <i>Geophysical Journal International</i> , 2017, 210, 34-41.	1.0	14
65	Are Paleomagnetic Records From Uâ€™Channels Appropriate for Studies of Reversals and Excursions?. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4130-4142.	1.0	14
66	Geomagnetic field: Volcanic record of reversal. <i>Nature</i> , 1985, 316, 217-218.	13.7	13
67	Paleomagnetic and paleosecular variation study of the Mt. Cameroon volcanics (0.0â€“0.25 Ma), Cameroon, West Africa. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 147, 171-182.	0.7	13
68	The â€œvan Zijlâ€™ Jurassic geomagnetic reversal revisited. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	13
69	Integration of volcanic and sedimentary records of paleointensity: Constraints imposed by irregular eruption rates. <i>Geophysical Research Letters</i> , 1999, 26, 3669-3672.	1.5	12
70	A comparison of relative paleointensity records of the Matuyama Chron for the period 0.75â€“1.25Ma. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 156, 205-212.	0.7	12
71	Isolating climatic and paleomagnetic imbricated signals in two marine cores using principal component analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	12
72	Influence of seawater exchanges across the Bab-el-Mandeb Strait on sedimentation in the Southern Red Sea during the last 60â€“ka. <i>Paleoceanography</i> , 2013, 28, 675-687.	3.0	12

#	ARTICLE	IF	CITATIONS
73	A Neogene geomagnetic polarity transition record from lavas of the Canary Islands, Spain: episodic volcanism and/or metastable transitional fields?. <i>Geophysical Journal International</i> , 2003, 154, 426-440.	1.0	11
74	Persistent anomalous inclinations recorded in the Koolau volcanic series on the island of Oahu (Hawaii, USA) between 1.8 and 2.6 Ma. <i>Earth and Planetary Science Letters</i> , 2003, 212, 443-456.	1.8	11
75	Acquisition of detrital magnetization in four turbidites. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3207-3223.	1.0	11
76	Diagenetic modulation of the magnetic properties in sediments from the Northern Indian Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3779-3800.	1.0	10
77	Holocene paleosecular variation from dated lava flows on Maui (Hawaii). <i>Physics of the Earth and Planetary Interiors</i> , 2007, 161, 267-280.	0.7	9
78	Multi-tracer study of continental erosion and sediment transport to the Red Sea and the Gulf of Aden during the last 20 ka. <i>Quaternary Science Reviews</i> , 2019, 212, 135-148.	1.4	7
79	1.2 Myr Band of Earthâ€™Mars Obliquity Modulation on the Evolution of Cold Late Miocene to Warm Early Pliocene Climate. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	7
80	The oscillatory nature of the geomagnetic field during reversals. <i>Earth and Planetary Science Letters</i> , 2007, 262, 66-76.	1.8	6
81	Steens Mountain geomagnetic polarity transition is a single phenomenon (reply). <i>Nature</i> , 1985, 318, 487-488.	13.7	5
82	Volcanic Record of the Last Geomagnetic Reversal in a Lava Flow Sequence From the Azores. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	5
83	Geomagnetic reversals (reply). <i>Nature</i> , 1984, 309, 90-91.	13.7	4
84	Remagnetization of lava flows spanning the last geomagnetic reversal. <i>Geophysical Journal International</i> , 2017, 210, 1281-1293.	1.0	3
85	Disentangling magnetic and environmental signatures of sedimentary <sup>10</sup> Be/ <sup>9</sup> Be records. <i>Quaternary Science Reviews</i> , 2021, 257, 106809.	1.4	2
86	Ancient inclinations. <i>Nature</i> , 1998, 396, 315-316.	13.7	0
87	Le protÃ©e est-il Ã©quipÃ© pour le magnÃ©totactisme ?. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 806-813.	0.4	0