# Jean-Pierre Valet

List of Publications by Year
in descending order



| 87 | 4,918 | 94433 37 | 91884 69 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 87 | 87 | 87 | 2197 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Global changes in intensity of the Earth's magnetic field during the past 800â€‰kyr. Nature, 1999, 399, 249-252. | 27.8 | 557 |
| 2 | Geomagnetic dipole strength and reversal rate over the past two million years. Nature, 2005, 435, 802-805. | 27.8 | 402 |
| 3 | Geomagnetic field intensity and reversals during the past four million years. Nature, 1993, 366, 234-238. | 27.8 | 377 |
| 4 | Relative variations in geomagnetic intensity from sedimentary records: the past 200,000 years. Earth and Planetary Science Letters, 1996, 143, 23-36. | 4.4 | 247 |
| 5 | Time variations in geomagnetic intensity. Reviews of Geophysics, 2003, 41, . | 23.0 | 238 |
| 6 | Relative geomagnetic intensity of the field during the last 140 ka. Earth and Planetary Science Letters, 1992, 114, 39-57. | 4.4 | 187 |
| 7 | High-resolution record of the Upper Olduvai transition from Po Valley (Italy) sediments: support for dipolar transition geometry?. Physics of the Earth and Planetary Interiors, 1991, 65, 319-336. | 1.9 | 176 |
| 8 | Simple Mechanism for Reversals of Earthâ€™s Magnetic Field. Physical Review Letters, 2009, 102, 144503. | 7.8 | 134 |
| 9 | Long-term geometry of the geomagnetic field for the last five million years: An updated secular variation database. Geophysical Research Letters, 1994, 21, 1639-1642. | 4.0 | 107 |
| 10 | The Blake geomagnetic event: transition geometry, dynamical characteristics and geomagnetic significance.. Earth and Planetary Science Letters, 1991, 102, 1-13. | 4.4 | 103 |
| 11 | Asymmetrical saw-tooth pattern of the geomagnetic field intensity from equatorial sediments in the Pacific and Indian Oceans. Earth and Planetary Science Letters, 1994, 126, 109-127. | 4.4 | 96 |
| 12 | Dynamical similarity of geomagnetic field reversals. Nature, 2012, 490, 89-93. | 27.8 | 94 |
| 13 | Enhanced antitumor efficacy of biocompatible magnetosomes for the magnetic hyperthermia treatment of glioblastoma. Theranostics, 2017, 7, 4618-4631. | 10.0 | 93 |
| 14 | Deciphering records of geomagnetic reversals. Reviews of Geophysics, 2016, 54, 410-446. | 23.0 | 82 |
| 15 | Geomagnetic, cosmogenic and climatic changes across the last geomagnetic reversal from Equatorial Indian Ocean sediments. Earth and Planetary Science Letters, 2014, 397, 67-79. | 4.4 | 73 |
| 16 | Authigenic <sup>10</sup>Be/<sup>9</sup>Be ratio signatures of the cosmogenic nuclide production linked to geomagnetic dipole moment variation since the Brunhes/Matuyama boundary. Journal of Geophysical Research: Solid Earth, 2016, 121, 7716-7741. | 3.4 | 63 |
| 17 | Paleointensity record from Pleistocene sediments (1.4-0 Ma) off the California Margin. Journal of Geophysical Research, 1999, 104, 22953-22964. | 3.3 | 59 |
| 18 | Equatorial and mid-latitude records of the last geomagnetic reversal from the Atlantic Ocean. Earth and Planetary Science Letters, 1989, 94, 371-384. | 4.4 | 58 |

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|---|---|---|---|
| 19 | Paleomagnetic record of two successive Miocene geomagnetic reversals in western Crete. Earth and Planetary Science Letters, 1981, 54, 53-63. | 4.4 | 56 |
| 20 | The Matuyama-Brunhes transition recorded from Lake Tecopa sediments (California). Earth and Planetary Science Letters, 1988, 87, 463-472. | 4.4 | 55 |
| 21 | Geomagnetic changes across the last reversal recorded in lava flows from La Palma, Canary Islands. Journal of Geophysical Research, 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. Quaternary Research, 1998, 49, 255-263. | 1.7 | 54 |
| 23 | Absolute paleointensity from Hawaiian lavas younger than 35 ka. Earth and Planetary Science Letters, 1998, 161, 19-32. | 4.4 | 54 |
| 24 | Magnetic anomalies of lava fields in the Canary islands. Possible consequences for paleomagnetic records. Physics of the Earth and Planetary Interiors, 1999, 115, 109-118. | 1.9 | 49 |
| 25 | Geomagnetic excursions reflect an aborted polarity state. Earth and Planetary Science Letters, 2008, 274, 472-478. | 4.4 | 49 |
| 26 | Testing determinations of absolute paleointensity from the 1955 and 1960 Hawaiian flows. Earth and Planetary Science Letters, 2009, 287, 420-433. | 4.4 | 47 |
| 27 | New advances for paleomagnetic studies of sediment cores using Uâ€Channels. Geophysical Research Letters, 1993, 20, 671-674. | 4.0 | 45 |
| 28 | Relative paleointensity across the last geomagnetic reversal from sediments of the Atlantic, Indian and Pacific oceans. Geophysical Research Letters, 1994, 21, 485-488. | 4.0 | 44 |
| 29 | Paleomagnetic records of excursions and reversals: possible biases caused by magnetization artefacts. Physics of the Earth and Planetary Interiors, 1994, 82, 27-48. | 1.9 | 43 |
| 30 | Origin and age of the directions recorded during the Laschamp event in the ChaÃ®ne des Puys (France). Earth and Planetary Science Letters, 2007, 259, 414-431. | 4.4 | 42 |
| 31 | Cosmogenic signature of geomagnetic reversals and excursions from the RÃ©union event to the Matuyamaâ€“Brunhes transition (0.7â€“2.14 Ma interval). Earth and Planetary Science Letters, 2018, 482, 510-524. | 4.4 | 42 |
| 32 | Sequential geomagnetic reversals recorded in Upper Tortonian marine clays in western Crete (Greece). Journal of Geophysical Research, 1988, 93, 1131-1151. | 3.3 | 41 |
| 33 | Invariant and changing transitional field configurations in a sequence of geomagnetic reversals. Nature, 1984, 311, 552-555. | 27.8 | 40 |
| 34 | Relative paleointensity of the Earth's magnetic field from marine sedimentary records: a global perspective. Physics of the Earth and Planetary Interiors, 1989, 56, 59-68. | 1.9 | 40 |
| 35 | Paleosecular variation during sequential geomagnetic reversals from Hawaii. Earth and Planetary Science Letters, 1999, 171, 139-148. | 4.4 | 40 |
| 36 | Paleointensity experiments using alternating field demagnetization. Earth and Planetary Science Letters, 2000, 177, 43-58. | 4.4 | 40 |

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|---|---|---|---|
| 37 | Absolute paleointensities between 60 and 160 kyear BP from Mount Etna (Sicily). Physics of the Earth and Planetary Interiors, 1994, 85, 113-129. | 1.9 | 39 |
| 38 | Post-depositional realignment of magnetic grains and asymmetrical saw-tooth patterns of magnetization intensity. Earth and Planetary Science Letters, 1996, 140, 123-132. | 4.4 | 37 |
| 39 | Simulations of a time-varying non-dipole field during geomagnetic reversals and excursions. Physics of the Earth and Planetary Interiors, 2008, 169, 178-193. | 1.9 | 37 |
| 40 | Long-term evolution of the geomagnetic dipole moment. Physics of the Earth and Planetary Interiors, 2004, 147, 239-246. | 1.9 | 36 |
| 41 | Absolute paleointensity and reversal records from the Waianae sequence (Oahu, Hawaii, USA). Earth and Planetary Science Letters, 2005, 234, 279-296. | 4.4 | 35 |
| 42 | The Laschamp-Mono lake geomagnetic events and the extinction of Neanderthal: a causal link or a coincidence?. Quaternary Science Reviews, 2010, 29, 3887-3893. | 3.0 | 34 |
| 43 | Detrital magnetizations from redeposition experiments of different natural sediments. Earth and Planetary Science Letters, 2012, 351-352, 147-157. | 4.4 | 33 |
| 44 | Magnetostratigraphy and biostratigraphy of the neogene deposits of Kastellios Hill (Central Crete,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.3 | 32 |
| 45 | A comparison of different techniques for relative paleointensity. Geophysical Research Letters, 1998, 25, 89-92. | 4.0 | 31 |
| 46 | Paleointensity across the RÃ©union event in Ethiopia. Earth and Planetary Science Letters, 1999, 170, 17-34. | 4.4 | 31 |
| 47 | Constraining the age of the last geomagnetic reversal from geochemical and magnetic analyses of Atlantic, Indian, and Pacific Ocean sediments. Earth and Planetary Science Letters, 2019, 506, 323-331. | 4.4 | 29 |
| 48 | Field dependence on magnetization of laboratory-redeposited deep-sea sediments: First results. Earth and Planetary Science Letters, 1995, 133, 311-325. | 4.4 | 28 |
| 49 | When and why sediments fail to record the geomagnetic field during polarity reversals. Earth and Planetary Science Letters, 2016, 453, 96-107. | 4.4 | 27 |
| 50 | Saw-toothed variations of relative paleointensity and cumulative viscous remanence: Testing the records and the model. Journal of Geophysical Research, 1998, 103, 7095-7105. | 3.3 | 26 |
| 51 | Magnetostratigraphy of late Miocene continental deposits in Samos, Greece. Earth and Planetary Science Letters, 1986, 80, 167-174. | 4.4 | 25 |
| 52 | Remagnetization in lava flows recording pretransitional directions. Journal of Geophysical Research, 1998, 103, 9755-9775. | 3.3 | 25 |
| 53 | Some characteristics of geomagnetic reversals inferred from detailed volcanic records. Comptes Rendus - Geoscience, 2003, 335, 79-90. | 1.2 | 25 |
| 54 | Increased production of cosmogenic 10Be recorded in oceanic sediment sequences: Information on the age, duration, and amplitude of the geomagnetic dipole moment minimum over the Matuyamaâ€“Brunhes transition. Earth and Planetary Science Letters, 2018, 489, 191-202. | 4.4 | 25 |

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|---|---|---|---|
| 55 | Confounding influence of magnetic fabric on sedimentary records of a field reversal. Nature, 1995, 374, 246-249. | 27.8 | 24 |
| 56 | Cosmogenic 10Be production records reveal dynamics of geomagnetic dipole moment (GDM) over the Laschamp excursion (20â€“60 ka). Earth and Planetary Science Letters, 2020, 550, 116547. | 4.4 | 23 |
| 57 | Magnetic properties and origin of Upper Quaternary sediments in the Somali Basin, Indian Ocean. Paleoceanography, 1995, 10, 459-472. | 3.0 | 21 |
| 58 | Absolute paleointensity between 60 and 400 ka from the Kohala Mountain (Hawaii). Earth and Planetary Science Letters, 1997, 148, 141-156. | 4.4 | 21 |
| 59 | A map of the Pacific geomagnetic anomaly during the Brunhes chron. Earth and Planetary Science Letters, 2001, 193, 315-332. | 4.4 | 20 |
| 60 | Multicomponent magnetization in paleomagnetic records of reversals from continental sediments in Bolivia. Earth and Planetary Science Letters, 1992, 111, 23-39. | 4.4 | 18 |
| 61 | Paleomagnetic secular variation of the Honolulu Volcanic Series (33â€“700 ka), Oâ€™ahu (Hawaii). Physics of the Earth and Planetary Interiors, 2002, 133, 83-97. | 1.9 | 17 |
| 62 | The intensity of the geomagnetic field from 2.4 Ga old Indian dykes. Geochemistry, Geophysics, Geosystems, 2014, 15, 2426-2437. | 2.5 | 17 |
| 63 | Magnetic intensity loss and core diagenesis in long-core samples from the East Cortez Basin and the San Nicolas Basin (California Borderland). Earth, Planets and Space, 1999, 51, 329-336. | 2.5 | 14 |
| 64 | Detrital magnetization of laboratory-redeposited sediments. Geophysical Journal International, 2017, 210, 34-41. | 2.4 | 14 |
| 65 | Are Paleomagnetic Records From Uâ€€Channels Appropriate for Studies of Reversals and Excursions?. Geochemistry, Geophysics, Geosystems, 2018, 19, 4130-4142. | 2.5 | 14 |
| 66 | Geomagnetic field: Volcanic record of reversal. Nature, 1985, 316, 217-218. | 27.8 | 13 |
| 67 | Paleomagnetic and paleosecular variation study of the Mt. Cameroon volcanics (0.0â€“0.25 Ma), Cameroon, West Africa. Physics of the Earth and Planetary Interiors, 2004, 147, 171-182. | 1.9 | 13 |
| 68 | The â€œvan Zijlâ€•Jurassic geomagnetic reversal revisited. Geochemistry, Geophysics, Geosystems, 2012, 13, . | 2.5 | 13 |
| 69 | Integration of volcanic and sedimentary records of paleointensity: Constraints imposed by irregular eruption rates. Geophysical Research Letters, 1999, 26, 3669-3672. | 4.0 | 12 |
| 70 | A comparison of relative paleointensity records of the Matuyama Chron for the period 0.75â€“1.25Ma. Physics of the Earth and Planetary Interiors, 2006, 156, 205-212. | 1.9 | 12 |
| 71 | Isolating climatic and paleomagnetic imbricated signals in two marine cores using principal component analysis. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a. | 2.5 | 12 |
| 72 | Influence of seawater exchanges across the Bab-el-Mandeb Strait on sedimentation in the Southern Red Sea during the last 60â€‰ka. Paleoceanography, 2013, 28, 675-687. | 3.0 | 12 |

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|---|---|---|---|
| 73 | A Neogene geomagnetic polarity transition record from lavas of the Canary Islands, Spain: episodic volcanism and/or metastable transitional fields?. Geophysical Journal International, 2003, 154, 426-440. | 2.4 | 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. Earth and Planetary Science Letters, 2003, 212, 443-456. | 4.4 | 11 |
| 75 | Acquisition of detrital magnetization in four turbidites. Geochemistry, Geophysics, Geosystems, 2016, 17, 3207-3223. | 2.5 | 11 |
| 76 | Diagenetic modulation of the magnetic properties in sediments from the Northern Indian Ocean. Geochemistry, Geophysics, Geosystems, 2013, 14, 3779-3800. | 2.5 | 10 |
| 77 | Holocene paleosecular variation from dated lava flows on Maui (Hawaii). Physics of the Earth and Planetary Interiors, 2007, 161, 267-280. | 1.9 | 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. Quaternary Science Reviews, 2019, 212, 135-148. | 3.0 | 7 |
| 79 | 1.2 Myr Band of Earthâ€Mars Obliquity Modulation on the Evolution of Cold Late Miocene to Warm Early Pliocene Climate. Journal of Geophysical Research: Solid Earth, 2022, 127, . | 3.4 | 7 |
| 80 | The oscillatory nature of the geomagnetic field during reversals. Earth and Planetary Science Letters, 2007, 262, 66-76. | 4.4 | 6 |
| 81 | Steens Mountain geomagnetic polarity transition is a single phenomenon (reply). Nature, 1985, 318, 487-488. | 27.8 | 5 |
| 82 | Volcanic Record of the Last Geomagnetic Reversal in a Lava Flow Sequence From the Azores. Frontiers in Earth Science, 2020, 8, . | 1.8 | 5 |
| 83 | Geomagnetic reversals (reply). Nature, 1984, 309, 90-91. | 27.8 | 4 |
| 84 | Remagnetization of lava flows spanning the last geomagnetic reversal. Geophysical Journal International, 2017, 210, 1281-1293. | 2.4 | 3 |
| 85 | Disentangling magnetic and environmental signatures of sedimentary 10Be/9Be records. Quaternary Science Reviews, 2021, 257, 106809. | 3.0 | 2 |
| 86 | Ancient inclinations. Nature, 1998, 396, 315-316. | 27.8 | 0 |
| 87 | Le protÃ©e est-il Ã©quipÃ© pour le magnÃ©totactisme ?. Comptes Rendus - Geoscience, 2005, 337, 806-813. | 1.2 | 0 |