Emilio Herrero-Bervera

List of Publications by Year
in descending order

60 papers	1,708 citations	257450 24 h-index	276875 41 g-index
62 all docs	62 docs citations	62 times ranked	1020 citing authors

#	Article	IF	Citations
1	Geomagnetic reversal paths. Nature, 1991, 351, 447-447.	27.8	283
2	Dynamical similarity of geomagnetic field reversals. Nature, 2012, 490, 89-93.	27.8	94
3	Age and correlation of a paleomagnetic episode in the western United States by40Ar/39Ar dating and tephrochronology: The Jamaica, Blake, or a new polarity episode?. Journal of Geophysical Research, 1994, 99, 24091-24103.	3.3	81
4	Rapid regional perturbations to the recent global geomagnetic decay revealed by a new Hawaiian record. Nature Communications, 2013, 4, 2727.	12.8	69
5	Magnetic fabric and flow direction in basaltic Pahoehoe lava of Xitle volcano, Mexico. Journal of Volcanology and Geothermal Research, 1995, 65, 249-263.	2.1	68
6	Magnetic fabric and inferred flow direction of dikes, conesheets and sill swarms, Isle of Skye, Scotland. Journal of Volcanology and Geothermal Research, 2001, 106, 195-210.	2.1	68
7	The internal structure of lava flowsâ€"insights from AMS measurements I: Near-vent a'a. Journal of Volcanology and Geothermal Research, 1996, 70, 21-36.	2.1	64
8	The internal structure of lava flowsâ€"insights from AMS measurements II: Hawaiian pahoehoe, toothpaste lava and 'a'Ä• Journal of Volcanology and Geothermal Research, 1997, 76, 19-46.	2.1	63
9	Secular variation of the geomagnetic dipole during the past 2000 years. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	56
10	Absolute paleointensity from Hawaiian lavas younger than 35 ka. Earth and Planetary Science Letters, 1998, 161, 19-32.	4.4	54
11	Testing determinations of absolute paleointensity from the 1955 and 1960 Hawaiian flows. Earth and Planetary Science Letters, 2009, 287, 420-433.	4.4	47
12	Sampling strategies and the anisotropy of magnetic susceptibility of dykes. Tectonophysics, 2009, 466, 3-17.	2.2	46
13	Paleosecular variation during sequential geomagnetic reversals from Hawaii. Earth and Planetary Science Letters, 1999, 171, 139-148.	4.4	40
14	Paleointensity experiments using alternating field demagnetization. Earth and Planetary Science Letters, 2000, 177, 43-58.	4.4	40
15	Non-axisymmetric behaviour of Olduvai and Jaramillo polarity transitions recorded in north-central Pacific deep-sea sediments. Nature, 1986, 322, 159-162.	27.8	39
16	Absolute paleointensity and reversal records from the Waianae sequence (Oahu, Hawaii, USA). Earth and Planetary Science Letters, 2005, 234, 279-296.	4.4	35
17	Magnetic fabrics of soft-sediment folded strata within a neogene accretionary complex, the Miura group, central Japan. Earth and Planetary Science Letters, 2001, 187, 333-343.	4.4	32
18	An absolute palaeointensity record from SOH1 lava core, Hawaii using the microwave technique. Physics of the Earth and Planetary Interiors, 2005, 148, 193-214.	1.9	32

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19	Origin of vesicle layering and double imbrication by endogenous growth in the Birkett basalt flow (Columbia river plateau). Journal of Volcanology and Geothermal Research, 1999, 88, 15-28.	2.1	31
20	A new model of pore structure typing based on fractal geometry. Marine and Petroleum Geology, 2018, 98, 291-305.	3.3	31
21	Relative geomagnetic field intensity and reversals for the last 1.8 My from a central equatorial Pacific Core. Geophysical Research Letters, 1996, 23, 3393-3396.	4.0	29
22	Relative geomagnetic paleointensity across the Jaramillo Subchron and the Matuyama/Brunhes Boundary. Geophysical Research Letters, 1996, 23, 467-470.	4.0	27
23	Alteration induced changes of magnetic fabric as exemplified by dykes of the Koolau volcanic range. Earth and Planetary Science Letters, 2005, 240, 445-453.	4.4	26
24	Some characteristics of geomagnetic reversals inferred from detailed volcanic records. Comptes Rendus - Geoscience, 2003, 335, 79-90.	1.2	25
25	Normal amplitude brunhes paleosecular variation at lowâ€latitudes: A paleomagnetic record from the Transâ€Mexican Volcanic Belt. Geophysical Research Letters, 1986, 13, 1442-1445.	4.0	23
26	Transitional field behavior during the Gilbert-Gauss and Lower Mammoth reversals recorded in lavas from the Wai'anae volcano, O'ahu, Hawaii. Journal of Geophysical Research, 1999, 104, 29157-29173.	3.3	22
27	Magnetic fabrics study and inferred flow directions of lavas of the Old Pali Road, Oâ€²ahu, Hawaii. Journal of Volcanology and Geothermal Research, 2002, 118, 161-171.	2.1	22
28	A selective procedure for absolute paleointensity in lava flows. Geophysical Research Letters, 2010, 37, .	4.0	22
29	High-resolution record reveals climate-driven environmental and sedimentary changes in an active rift. Scientific Reports, 2019, 9, 3116.	3.3	22
30	The Nuuanu and Wailau giant landslides: insights from paleomagnetic and anisotropy of magnetic susceptibility (AMS) studies. Physics of the Earth and Planetary Interiors, 2002, 129, 83-98.	1.9	21
31	Geomagnetic field secular variation in Pacific Ocean: A Bayesian reference curve based on Holocene Hawaiian lava flows. Earth and Planetary Science Letters, 2017, 478, 58-65.	4.4	18
32	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
33	Cryptochron C2r.2r-1 recorded 2.51ÂMa in the Koolau Volcano at Halawa, Oahu, Hawaii, USA: Paleomagnetic and 40Ar/39Ar evidence. Earth and Planetary Science Letters, 2007, 254, 256-271.	4.4	16
34	Capillary Pressure Curve Determination Based on a 2â€Ð Crossâ€Section Analysis Via Fractal Geometry: A Bridge Between 2â€Ð and 3â€Ð Pore Structure of Porous Media. Journal of Geophysical Research: Solid Earth, 2019, 124, 2352-2367.	3.4	16
35	Flow Directions and Paleomagnetic Study of Rocks from the Azufre Volcano, Argentina.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 143-159.	0.9	16
36	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

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37	Transition fields during geomagnetic reversals and their geodynamic significance. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1997, 355, 1713-1742.	3.4	12
38	Detailed paleomagnetic study of two volcanic polarity transitions recorded in eastern Iceland. Physics of the Earth and Planetary Interiors, 1999, 115, 119-135.	1.9	11
39	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
40	Holocene paleosecular variation from dated lava flows on Maui (Hawaii). Physics of the Earth and Planetary Interiors, 2007, 161, 267-280.	1.9	9
41	Determining palaeointensity from the Gilbert Gauss Reversal recorded in the Puâ€™u Heleakala lava section, Waiâ€™anae Volcano, Oahu, Hawaii. Earth and Planetary Science Letters, 2006, 245, 29-38.	4.4	7
42	A whole rock absolute paleointensity determination of dacites from the Duffer Formation (ca. 3.467) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2016, 258, 51-62.	1.9	6
43	Magnetostratigraphy of deep-sea sediments from piston cores adjacent to the Hawaiian Islands: Implication for ages of turbidites derived from submarine landslides. Geophysical Monograph Series, 2002, , 51-63.	0.1	5
44	On the directional geomagnetic signature of the Pringle Falls excursion recorded at Pringle Falls, Oregon, USA. Geological Society Special Publication, 2013, 373, 261-278.	1.3	4
45	First archaeointensity results from Ecuador with rock magnetic analyses and 14C dates to constrain the geomagnetic field evolution in South America: Enhancing the knowledge of geomagnetic field intensity. Journal of South American Earth Sciences, 2020, 103, 102733.	1.4	4
46	An Integrated Paleomagnetic, Multimethodâ€Paleointensity, and Radiometric Study on Cretaceous and Paleogene Lavas From the Lesser Caucasus: Geomagnetic and Tectonic Implications. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020019.	3.4	4
47	Tectonics of southwestern Mexico, isotopic evidence, nuclear Central America, Late Cretaceous break up. Studia Geophysica Et Geodaetica, 2010, 54, 403-415.	0.5	3
48	A Few Characteristic Features of the Geomagnetic Field During Reversals. , 2011, , 139-151.		3
49	Rock Magnetic Characterization Through an Intact Sequence of Oceanic Crust, IODP Hole 1256D. , 2011, , 153-168.		3
50	Absolute Paleointensities from an Intact Section of Oceanic Crust Cored at ODP/IODP Site 1256 in the Equatorial Pacific. , 2011, , 181-193.		3
51	Paleointensities of the Hawaii 1955 and 1960 Lava Flows: Further Validation of the Multi-specimen Method. , 2011, , 195-211.		3
52	On the palaeomagnetic and rock magnetic constraints regarding the age of IODP 325 Hole M0058A. Geological Society Special Publication, 2013, 373, 279-291.	1.3	2
53	Spot Reading of the Absolute Paleointensity of the Geomagnetic Field Obtained from Potsherds (Age) Tj ETQq1 1 0.784314 rgBT /Ove	0.5	2
54	On the Possibility of Obtaining Geomagnetic Volcanic Records of the Short-Term Behavior of the Laschamp and Pringle Falls Excursions from the Long Sequence of Kahuku and Ninole Hills, Big Island of Hawaii, USA. Open Journal of Geology, 2021, 11, 712-733.	0.5	2

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55	Inflation and collapse of the Waiâ€™anae volcano (Oahu, Hawaii, USA): implications from rock magnetic properties and magnetic fabric data of dikes. Earth, Planets and Space, 2018, 70, .	2.5	1
56	Integrated high-resolution PSV, RPI and 14C study of IODP-347 Site M0060 (Anholt Loch, Baltic Sea) for the last c. 14 ka. Geological Society Special Publication, 2020, 497, 179-192.	1.3	1
57	Geomagnetic field variations in the past: an introduction. Geological Society Special Publication, 2020, 497, 1-8.	1.3	1
58	Reply to the comment made by Aubourg et al.. Journal of Volcanology and Geothermal Research, 2003, 122, 145-148.	2.1	0
59	Study of Declination, Inclination and Absolute Paleointensity of the Short-Term Geomagnetic Behavior (i.e. Cryptochron C2r.2r-1, ca. 2.46 ± 0.13 Ma) Recorded at the Type Section of Halawa Valley, Kooâ€™lau Volcano, Oahu, Hawaii, USA. Journal of Geoscience and Environment Protection, 2021, 09, 211-224.	0.5	0
60	Evolutional model and syn-kinematic emplacement of a continental-scale strike-slip shear zone: an example of southwestern Nigeria. Arabian Journal of Geosciences, 2022, 15, .	1.3	0