

Francisco Javier Pavón-Carrasco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/260700/publications.pdf>

Version: 2024-02-01

55
papers

2,143
citations

279798

23
h-index

233421

45
g-index

67
all docs

67
docs citations

67
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	A first regional model of the past Earth's magnetic field from Africa for the last 4000 years. <i>Physics of the Earth and Planetary Interiors</i> , 2022, 325, 106855.	1.9	2
2	Fluctuations of magnetic inclination and declination in Mexico during the last three millennia. <i>Quaternary Geochronology</i> , 2022, , 101309.	1.4	5
3	South Atlantic Anomaly Areal Extent as a Possible Indicator of Geomagnetic Jerks in the Satellite Era. <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	4
4	International Geomagnetic Reference Field: the thirteenth generation. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	319
5	SCHA.DIF.4k: 4,000 years of Paleomagnetic Reconstruction for Europe and Its Application for Dating. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021237.	3.4	16
6	Dating a medieval pottery workshop of the city of Burgos (Spain): Archaeomagnetic and archaeological evidences. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 316, 106723.	1.9	4
7	Refining geomagnetic field intensity changes in Europe between 2000 BCE and 1800 CE. New data from the Mediterranean region. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 317, 106749.	1.9	6
8	Signs of a new geomagnetic jerk between 2019 and 2020 from Swarm and observatory data. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	9
9	Eccentric Dipole Evolution during the Last Reversal, Last Excursions, and Holocene Anomalies. Interpretation Using a 360-Dipole Ring Model. <i>Geosciences (Switzerland)</i> , 2021, 11, 438.	2.2	3
10	Rapid Intensity Decrease During the Second Half of the First Millennium BCE in Central Asia and Global Implications. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022011.	3.4	1
11	Including the Temporal Dimension in the SECS Technique. <i>Space Weather</i> , 2020, 18, e2020SW002491.	3.7	2
12	Two archaeomagnetic intensity maxima and rapid directional variation rates during the Early Iron Age observed at Iberian coordinates. Implications on the evolution of the Levantine Iron Age Anomaly. <i>Earth and Planetary Science Letters</i> , 2020, 533, 116047.	4.4	38
13	Bootstrapping Swarm and observatory data to generate candidates for the DGRF and IGRF-13. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	3
14	Magnetic Field and Electron Density Data Analysis from Swarm Satellites Searching for Ionospheric Effects by Great Earthquakes: 12 Case Studies from 2014 to 2016. <i>Atmosphere</i> , 2019, 10, 371.	2.3	46
15	Late-Quaternary secular variation data from Mexican volcanoes. <i>Earth and Planetary Science Letters</i> , 2019, 519, 28-39.	4.4	18
16	Emergence and evolution of the South Atlantic Anomaly revealed by the new paleomagnetic reconstruction SHAWQ2k. <i>Earth and Planetary Science Letters</i> , 2019, 512, 17-26.	4.4	61
17	Precursory worldwide signatures of earthquake occurrences on Swarm satellite data. <i>Scientific Reports</i> , 2019, 9, 20287.	3.3	85
18	New archeointensity data from NW Argentina (1300-1500 CE). <i>Physics of the Earth and Planetary Interiors</i> , 2019, 286, 92-100.	1.9	15

#	ARTICLE	IF	CITATIONS
19	Last three millennia Earth's Magnetic field strength in Mesoamerica and southern United States: Implications in geomagnetism and archaeology. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 279, 79-91.	1.9	26
20	New perspectives in the study of the Earth's magnetic field and climate connection: The use of transfer entropy. <i>PLoS ONE</i> , 2018, 13, e0207270.	2.5	22
21	Statistical analysis of the oceanic magnetic anomaly data. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 284, 28-35.	1.9	2
22	Updated Iberian Archeomagnetic Catalogue: New Full Vector Paleosecular Variation Curve for the Last Three Millennia. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3637-3656.	2.5	41
23	Multi-centennial fluctuations of radionuclide production rates are modulated by the Earth's magnetic field. <i>Scientific Reports</i> , 2018, 8, 9820.	3.3	11
24	Ionospheric anomalies detected by ionosonde and possibly related to crustal earthquakes in Greece. <i>Annales Geophysicae</i> , 2018, 36, 361-371.	1.6	19
25	Evaluation of using R-SCHA to simultaneously model main field and secular variation multilevel geomagnetic data for the North Atlantic. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 263, 55-68.	1.9	9
26	Potential earthquake precursory pattern from space: The 2015 Nepal event as seen by magnetic Swarm satellites. <i>Earth and Planetary Science Letters</i> , 2017, 461, 119-126.	4.4	73
27	Paleomagnetic study of an historical lava flow from the Llaima volcano, Chile. <i>Journal of South American Earth Sciences</i> , 2017, 77, 141-149.	1.4	3
28	The South Atlantic Anomaly: The Key for a Possible Geomagnetic Reversal. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	67
29	New constraints on the most significant paleointensity change in Western Europe over the last two millennia. A non-dipolar origin?. <i>Earth and Planetary Science Letters</i> , 2016, 454, 55-64.	4.4	33
30	Palaeomagnetic dating of two recent lava flows from Ceboruco volcano, western Mexico. <i>Geophysical Journal International</i> , 2016, 207, 1203-1215.	2.4	28
31	Statistical Analysis of Palaeomagnetic Data from the Last Four Centuries: Evidence of Systematic Inclination Shallowing in Lava Flow Records. <i>Pure and Applied Geophysics</i> , 2016, 173, 839-848.	1.9	13
32	Evidence for a new geomagnetic jerk in 2014. <i>Geophysical Research Letters</i> , 2015, 42, 7933-7940.	4.0	60
33	Geospace perturbations induced by the Earth: The state of the art and future trends. <i>Physics and Chemistry of the Earth</i> , 2015, 85-86, 17-33.	2.9	56
34	2700 years of Mediterranean environmental change in central Italy: a synthesis of sedimentary and cultural records to interpret past impacts of climate on society. <i>Quaternary Science Reviews</i> , 2015, 116, 72-94.	3.0	69
35	First archaeomagnetic field intensity data from Ethiopia, Africa (1615 \pm 12 AD). <i>Physics of the Earth and Planetary Interiors</i> , 2015, 242, 24-35.	1.9	18
36	Non-Dipole and Regional Effects on the Geomagnetic Dipole Moment Estimation. <i>Pure and Applied Geophysics</i> , 2015, 172, 91-107.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Using "œdomino" model to study the secular variation of the geomagnetic dipolar moment. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 242, 9-23.	1.9	6
38	Palaeomagnetic analysis on pottery as indicator of the pyroclastic flow deposits temperature: new data and statistical interpretation from the Minoan eruption of Santorini, Greece. <i>Geophysical Journal International</i> , 2015, 203, 33-47.	2.4	3
39	Palaeomagnetic constraints on the age of Lomo Negro volcanic eruption (El Hierro, Canary Islands). <i>Geophysical Journal International</i> , 2014, 199, 1497-1514.	2.4	17
40	A geomagnetic field model for the Holocene based on archaeomagnetic and lava flow data. <i>Earth and Planetary Science Letters</i> , 2014, 388, 98-109.	4.4	280
41	Intensity of the geomagnetic field in Europe for the last 3 ka: Influence of data quality on geomagnetic field modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2515-2530.	2.5	31
42	Improving total field geomagnetic secular variation modeling from a new set of cross-over marine data. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 216, 21-31.	1.9	8
43	First directional European palaeosecular variation curve for the Neolithic based on archaeomagnetic data. <i>Earth and Planetary Science Letters</i> , 2013, 380, 124-137.	4.4	29
44	The Blake geomagnetic excursion recorded in a radiometrically dated speleothem. <i>Earth and Planetary Science Letters</i> , 2012, 353-354, 173-181.	4.4	50
45	New archaeomagnetic data recovered from the study of Roman and Visigothic remains from central Spain (3rd-7th centuries). <i>Geophysical Journal International</i> , 2012, 188, 979-993.	2.4	21
46	Archaeomagnetic and rock magnetic study of six kilns from North Africa (Tunisia and Morocco). <i>Geophysical Journal International</i> , 2012, 189, 169-186.	2.4	35
47	A Matlab tool for archaeomagnetic dating. <i>Journal of Archaeological Science</i> , 2011, 38, 408-419.	2.4	177
48	The evolution of Iberia during the Jurassic from palaeomagnetic data. <i>Tectonophysics</i> , 2011, 502, 105-120.	2.2	50
49	Regional modeling of the geomagnetic field in Europe from 6000 to 1000 B.C.. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	46
50	A regional archeomagnetic model for Europe for the last 3000 years, SCHA.DIF.3K: Applications to archeomagnetic dating. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	130
51	A Regional Archaeomagnetic Model for the Palaeointensity in Europe for the last 2000 Years and its Implications for Climatic Change. <i>Pure and Applied Geophysics</i> , 2008, 165, 1209-1225.	1.9	10
52	First archaeomagnetic data from northern Iberia. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 566-577.	2.9	13
53	Initial SCHA.DI.00 regional archaeomagnetic model for Europe for the last 2000years. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 596-608.	2.9	21
54	Variation of crustal thickness in the Philippine Sea deduced from three-dimensional gravity modeling. <i>Island Arc</i> , 2007, 16, 322-337.	1.1	16

#	ARTICLE	IF	CITATIONS
55	Airborne gravimetry â€“ a new gravimeter system and test results. Exploration Geophysics, 2003, 34, 82-86.	1.1	4