Yves Gallet

List of Publications by Year
in descending order

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57 papers	2,769 citations	136950 32 h-index	168389 53 g-index
59 all docs	59 docs citations	59 times ranked	1225 citing authors

#	Article	IF	Citations
1	Three millennia of directional variation of the Earthâ€™s magnetic field in western Europe as revealed by archeological artefacts. Physics of the Earth and Planetary Interiors, 2002, 131, 81-89.	1.9	177
2	ArcheoInt: An upgraded compilation of geomagnetic field intensity data for the past ten millennia and its application to the recovery of the past dipole moment. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	174
3	Intensity of the geomagnetic field in western Europe over the past 2000 years: New data from ancient French pottery. Journal of Geophysical Research, 2002, 107, EPM 1-1-EPM 1-18.	3.3	138
4	A third superchron during the Early Paleozoic. Episodes, 2005, 28, 78-84.	1.2	122
5	Does Earth's magnetic field secular variation control centennial climate change?. Earth and Planetary Science Letters, 2005, 236, 339-347.	4.4	119
6	Ensembles of low degree archeomagnetic field models for the past three millennia. Physics of the Earth and Planetary Interiors, 2013, 224, 38-67.	1.9	109
7	A new three-axis vibrating sample magnetometer for continuous high-temperature magnetization measurements: applications to paleo- and archeo-intensity determinations. Earth and Planetary Science Letters, 2004, 229, 31-43.	4.4	102
8	The SPICE carbon isotope excursion in Siberia: a combined study of the upper Middle Cambrianâ€“lowermost Ordovician Kulyumbe River section, northwestern Siberian Platform. Geological Magazine, 2008, 145, 609-622.	1.5	98
9	Possible impact of the Earth's magnetic field on the history of ancient civilizations. Earth and Planetary Science Letters, 2006, 246, 17-26.	4.4	97
10	Solar activity during the Holocene: the Hallstatt cycle and its consequence for grand minima and maxima. Astronomy and Astrophysics, 2016, 587, A150.	5.1	97
11	On archeomagnetic secular variation curves and archeomagnetic dating. Physics of the Earth and Planetary Interiors, 2002, 134, 203-211.	1.9	91
12	Eight thousand years of geomagnetic field intensity variations in the eastern Mediterranean. Journal of Geophysical Research, 2003, 108, .	3.3	88
13	Stationary and nonstationary behaviour within the geomagnetic polarity time scale. Geophysical Research Letters, 1997, 24, 1875-1878.	4.0	76
14	Do superchrons occur without any palaeomagnetic warning?. Earth and Planetary Science Letters, 2003, 210, 191-201.	4.4	74
15	Geomagnetic field hemispheric asymmetry and archeomagnetic jerks. Earth and Planetary Science Letters, 2009, 284, 179-186.	4.4	68
16	Evidence for rapid geomagnetic field intensity variations in Western Europe over the past 800Âyears from new French archeointensity data. Earth and Planetary Science Letters, 2009, 284, 132-143.	4.4	67
17	Core-flow constraints on extreme archeomagnetic intensity changes. Earth and Planetary Science Letters, 2014, 387, 145-156.	4.4	62
18	Magnetostratigraphy of the Moyero River Section (North-Western Siberia): Constraints On Geomagnetic Reversal Frequency During the Early Palaeozoic. Geophysical Journal International, 1996, 125, 95-105.	2.4	58

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19	High-temperature archeointensity measurements from Mesopotamia. Earth and Planetary Science Letters, 2006, 241, 159-173.	4.4	58
20	Toward constraining the long-term reversing behavior of the geodynamo: A new â€œMayaâ€•superchron â^¼1 billion years ago from the magnetostratigraphy of the Kartochka Formation (southwestern Siberia). Earth and Planetary Science Letters, 2012, 339-340, 117-126.	4.4	55
21	On the use of archeology in geomagnetism, and vice-versa: Recent developments in archeomagnetism. Comptes Rendus Physique, 2009, 10, 630-648.	0.9	52
22	New archeointensity data from French Early Medieval pottery production (6thâ€“10th century AD). Tracing 1500 years of geomagnetic field intensity variations in Western Europe. Physics of the Earth and Planetary Interiors, 2016, 257, 205-219.	1.9	48
23	Archeointensity in Northeast Brazil over the past five centuries. Earth and Planetary Science Letters, 2010, 296, 340-352.	4.4	47
24	Upper Cambrian to Middle Ordovician magnetostratigraphy from the Kulumbe river section (northwestern Siberia). Physics of the Earth and Planetary Interiors, 1998, 108, 49-59.	1.9	46
25	New historical archeointensity data from Brazil: Evidence for a large regional non-dipole field contribution over the past few centuries. Earth and Planetary Science Letters, 2011, 306, 66-76.	4.4	45
26	Geomagnetic field intensity variations in Western Europe over the past 1100 years. Geochemistry, Geophysics, Geosystems, 2013, 14, 2858-2872.	2.5	41
27	A bootstrap algorithm for deriving the archeomagnetic field intensity variation curve in the Middle East over the past 4 millennia BC. Geophysical Research Letters, 2010, 37, .	4.0	38
28	Fast geomagnetic field intensity variations between 1400 and 400 BCE: New archaeointensity data from Germany. Physics of the Earth and Planetary Interiors, 2017, 270, 143-156.	1.9	37
29	New Late Neolithic (c. 7000â€“5000 BC) archeointensity data from Syria. Reconstructing 9000years of archeomagnetic field intensity variations in the Middle East. Physics of the Earth and Planetary Interiors, 2015, 238, 89-103.	1.9	36
30	Middle Cambrian high magnetic reversal frequency (Kulumbe River section, northwestern Siberia) and reversal behaviour during the Early Palaeozoic. Earth and Planetary Science Letters, 2001, 185, 173-183.	4.4	35
31	Magnetic reversal frequency and apparent polar wander of the Siberian platform in the earliest Palaeozoic, inferred from the Khorbusuonka river section (northeastern Siberia). Geophysical Journal International, 2003, 154, 829-840.	2.4	35
32	Archaeomagnetism at Ebla (Tell Mardikh, Syria). New data on geomagnetic field intensity variations in the Near East during the Bronze Age. Journal of Archaeological Science, 2014, 42, 295-304.	2.4	33
33	Statistical properties of reversals and chrons in numerical dynamos and implications for the geodynamo. Physics of the Earth and Planetary Interiors, 2013, 220, 19-36.	1.9	29
34	Geomagnetic field variations between chrons 33r and 19r (83â€“41ÂMa) from sea-surface magnetic anomaly profiles. Earth and Planetary Science Letters, 2006, 250, 541-560.	4.4	27
35	Transdimensional inference of archeomagnetic intensity change. Geophysical Journal International, 2018, 215, 2008-2034.	2.4	27
36	Geomagnetic field intensity behavior in the Middle East between â^¼3000 BC and â^¼1500 BC. Geophysical Research Letters, 2008, 35, .	4.0	26

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37	Three distinct reversing modes in the geodynamo. Izvestiya, Physics of the Solid Earth, 2016, 52, 291-296.	0.9	22
38	Modelling the archaeomagnetic field under spatial constraints from dynamo simulations: a resolution analysis. Geophysical Journal International, 2016, 207, 983-1002.	2.4	21
39	Extreme geomagnetic reversal frequency during the Middle Cambrian as revealed by the magnetostratigraphy of the Khorbusuonka section (northeastern Siberia). Earth and Planetary Science Letters, 2019, 528, 115823.	4.4	19
40	Geomagnetic reversal behaviour since 100 Ma. Physics of the Earth and Planetary Interiors, 1995, 92, 235-244.	1.9	18
41	Analysis of geomagnetic field intensity variations in Mesopotamia during the third millennium BC with archeological implications. Earth and Planetary Science Letters, 2020, 537, 116183.	4.4	18
42	Archaeological and Geomagnetic Implications of New Archaeomagnetic Intensity Data from the <scp>E</scp>arly <scp>B</scp>ronze High Terrace â€˜<scp>M</scp>assif <scp>R</scp>ougeâ€™ at <scp>M</scp>ari (<scp>T</scp>ell <scp>H</scp>ariri, <scp>S</scp>yria). Archaeometry, 2015, 57, 263-276.	1.3	17
43	Synchronizing Geomagnetic Field Intensity Records in the Levant Between the 23rd and 15th Centuries BCE: Chronological and Methodological Implications. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009251.	2.5	16
44	New archeointensity data from Novgorod (North-Western Russia) between c. 1100 and 1700 AD. Implications for the European intensity secular variation. Physics of the Earth and Planetary Interiors, 2017, 269, 18-28.	1.9	15
45	Archeomagnetic intensity variations during the era of geomagnetic spikes in the Levant. Physics of the Earth and Planetary Interiors, 2021, 312, 106657.	1.9	12
46	Rapid geomagnetic field intensity variations in the Near East during the 6th millennium BC: New archeointensity data from Halafian site Yarim Tepe II (Northern Iraq). Earth and Planetary Science Letters, 2018, 482, 201-212.	4.4	11
47	Impact of inner-core size on the dipole field behaviour of numerical dynamo simulations. Geophysical Journal International, 2019, 218, 179-189.	2.4	11
48	Analyzing the geomagnetic axial dipole field moment over the historical period from new archeointensity results at Bukhara (Uzbekistan, Central Asia). Physics of the Earth and Planetary Interiors, 2021, 310, 106633.	1.9	11
49	Archeomagnetic intensity investigations of French medieval ceramic workshops: Contribution to regional field modeling and archeointensity-based dating. Physics of the Earth and Planetary Interiors, 2021, 318, 106750.	1.9	10
50	Imprint of magnetic flux expulsion at the coreâ€“mantle boundary on geomagnetic field intensity variations. Geophysical Journal International, 2020, 221, 1984-2009.	2.4	8
51	A reappraisal of instrumental magnetic measurements made in Western Europe before AD 1750: confronting historical geomagnetism and archeomagnetism. Earth, Planets and Space, 2017, 69, .	2.5	7
52	Geomagnetic field in the Near East at the beginning of the 6th millennium BC: Evidence for alternating weak and strong intensity variations. Physics of the Earth and Planetary Interiors, 2018, 282, 49-59.	1.9	6
53	Refining the high-fidelity archaeointensity curve for western Europe over the past millennium: analysis of Tuscan architectural bricks (Italy). Geological Society Special Publication, 2020, 497, 73-88.	1.3	4
54	Tracing the geomagnetic field intensity variations in Upper Mesopotamia during the Pottery Neolithic to improve ceramic-based chronologies. Journal of Archaeological Science, 2021, 132, 105430.	2.4	4

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55	Developing the Cambrian and Ordovician Magnetic Polarity Time Scale: Current Data and Attempt of Synthesis. Izvestiya, Physics of the Solid Earth, 2020, 56, 437-460.	0.9	3
56	The dawn of archeomagnetic dating. Comptes Rendus - Geoscience, 2021, 353, 285-296.	1.2	2
57	On the resolution of regional archaeomagnetism: untangling directional geomagnetic oscillations and data uncertainties using the French archaeomagnetic database for dates between AD 1000 and 1500 as a guide. Geological Society Special Publication, 2020, 497, 113-126.	1.3	1