Avto Goguitchaichvili

List of Publications by Year
in descending order

107	1,329	394421 19	477307 29
papers	citations	h-index	g-index

110	110	110	848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extreme wave deposits on the Pacific coast of Mexico: Tsunamis or storms? â€" A multi-proxy approach. Geomorphology, 2012, 139-140, 360-371.	2.6	94
2	Heavy metal pollution of street dust in the largest city of Mexico, sources and health risk assessment. Environmental Monitoring and Assessment, 2021, 193, 193.	2.7	59
3	Are ceramics and bricks reliable absolute geomagnetic intensity carriers?. Physics of the Earth and Planetary Interiors, 2011, 187, 310-321.	1.9	46
4	Magnetic properties and archeointensity determination on Pre-Columbian pottery from Chiapas, Mesoamerica. Earth, Planets and Space, 2009, 61, 83-91.	2.5	42
5	The mechanism of self-reversal of thermoremanence in natural hemoilmenite crystals: new experimental data and model. Physics of the Earth and Planetary Interiors, 2001, 126, 75-92.	1.9	38
6	A rock-magnetic and paleointensity study of some Mexican volcanic lava flows during the Latest Pleistocene to the Holocene. Earth, Planets and Space, 2001, 53, 893-902.	2.5	35
7	On the reliability of Mesozoic Dipole Low: New absolute paleointensity results from ParanÃ¡ Flood Basalts (Brazil). Geophysical Research Letters, 2002, 29, 33-1.	4.0	34
8	An attempt to determine the absolute geomagnetic field intensity in Southwestern Iceland during the Gaussâ€"Matuyama reversal. Physics of the Earth and Planetary Interiors, 1999, 115, 53-66.	1.9	31
9	Counterclockwise Rotation of the Michoacan Block: Implications for the Tectonics of Western Mexico. International Geology Review, 2003, 45, 814-826.	2.1	30
10	Paleomagnetic data from the Trans-Mexican Volcanic Belt: implications for tectonics and volcanic stratigraphy. Earth, Planets and Space, 2000, 52, 467-478.	2.5	27
11	Last three millennia Earthâ€™s Magnetic field strength in Mesoamerica and southern United States: Implications in geomagnetism and archaeology. Physics of the Earth and Planetary Interiors, 2018, 279, 79-91.	1.9	26
12	Further constraints for the Plio-Pleistocene geomagnetic field strength: New results from the Los Tuxtlas volcanic field (Mexico). Earth, Planets and Space, 2001, 53, 873-881.	2.5	25
13	Paleomagnetism of Ar-Ar dated lava flows from the Ceboruco-San Pedro volcanic field (western) Tj ETQq1 1 0.784314 rgBT /Overlock 1C event in the Brunhes chron. Journal of Geophysical Research, 2005, 110, .	3.3	24
14	Geomagnetic field intensity behavior in South America between 400 AD and 1800 AD: First archeointensity results from Argentina. Physics of the Earth and Planetary Interiors, 2011, 186, 191-197.	1.9	23
15	Magnetism of oriented single crystals of hemoilmenite with self-reversed thermoremanent magnetization. Journal of Geophysical Research, 2000, 105, 2761-2780.	3.3	22
16	Cooling rate corrected paleointensities from the Xitle lava flow: Evaluation of within-site scatter for single spot-reading cooling units. Earth, Planets and Space, 2006, 58, 1341-1347.	2.5	22
17	Variation of the Earthâ€™s magnetic field strength in South America during the last two millennia: New results from historical buildings of Buenos Aires and re-evaluation of regional data. Physics of the Earth and Planetary Interiors, 2015, 245, 15-25.	1.9	22
18	On the features of the geodynamo following reversals or excursions: by absolute geomagnetic paleointensity data. Physics of the Earth and Planetary Interiors, 2001, 124, 81-93.	1.9	21

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19	Dating of ancient kilns: A combined archaeomagnetic and thermoluminescence analysis applied to a brick workshop at Kato Achaia, Greece. Journal of Cultural Heritage, 2015, 16, 496-507.	3.3	21
20	Absolute geomagnetic paleointensity after the Cretaceous Normal Superchron and just prior to the Cretaceous-Tertiary transition. Journal of Geophysical Research, 2004, 109, .	3.3	20
21	Magnetic monitoring of top soils of Merida (Southern Mexico). Studia Geophysica Et Geodaetica, 2011, 55, 377-388.	0.5	19
22	Reproducibility of archaeointensity determinations with a multimethod approach on archaeological material reproductions. Geophysical Journal International, 2019, 218, 1719-1738.	2.4	19
23	Rock-magnetic properties of topsoils and urban dust from Morelia (>800,000 inhabitants), Mexico: Implications for anthropogenic pollution monitoring in Mexicoâ€™s medium size cities. Geofisica International, 2013, 52, 121-133.	0.2	18
24	A paleomagnetic and paleointensity study on Pleistocene and Pliocene basaltic flows from the Djavakheti Highland (Southern Georgia, Caucasus). Physics of the Earth and Planetary Interiors, 2011, 187, 212-224.	1.9	17
25	Ficus benjamina leaves as indicator of atmospheric pollution: a reconaissance study. Studia Geophysica Et Geodaetica, 2012, 56, 879-887.	0.5	17
26	Unearthing earthquakes and their tsunamis using multiple proxies: the 22 June 1932 event and a probable fourteenth-century predecessor on the Pacific coast of Mexico. International Geology Review, 2014, 56, 1584-1601.	2.1	17
27	Thermodetrital and crystallodetrital magnetization in an Icelandic hyaloclastite. Journal of Geophysical Research, 1999, 104, 29219-29238.	3.3	16
28	Paleomagnetic poles and paleosecular variation of basalts from ParanÃ¡ Magmatic Province, Brazil: geomagnetic and geodynamic implications. Physics of the Earth and Planetary Interiors, 2003, 138, 183-196.	1.9	16
29	Early cretaceous absolute geomagnetic paleointensities from CÃ³rdoba Province (Argentina). Earth, Planets and Space, 2006, 58, 1333-1339.	2.5	16
30	Magnetic fingerprint of tsunami-induced deposits in the Ixtapaâ€“Zihuatanejo Area, Western Mexico. International Geology Review, 2013, 55, 1462-1470.	2.1	16
31	A comparison of Thellier-type and multispecimen paleointensity determinations on Pleistocene and historical lava flows from Lanzarote (Canary Islands, Spain). Geochemistry, Geophysics, Geosystems, 2016, 17, 3638-3654.	2.5	16
32	Reconstructing the Geomagnetic Field in West Africa: First Absolute Intensity Results from Burkina Faso. Scientific Reports, 2017, 7, 45225.	3.3	16
33	Paleomagnetism of the Pleistocene Tequila Volcanic Field (Western Mexico). Earth, Planets and Space, 2006, 58, 1349-1358.	2.5	15
34	An integrated paleomagnetic study of Rio Grande de Santiago volcanic succession (trans-Mexican) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	14
35	Geomagnetic field strength during late Miocene: First paleointensity results from Baja California. Journal of Geophysical Research, 2003, 108, .	3.3	14
36	First archeointensity results from Portuguese potteries (1550-1750 AD). Earth, Planets and Space, 2009, 61, 93-100.	2.5	14

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37	Low-temperature magnetic properties of andesitic rocks from Popocatepetl stratovolcano, Mexico. Earth, Planets and Space, 2009, 61, 133-142.	2.5	14
38	Archaeointensity determinations from Italy: new data and the Earth's magnetic field strength variation over the past three millennia. Geophysical Journal International, 2010, 180, 596-608.	2.4	14
39	Reconnaissance environmental magnetic study of urban soils, dust and leaves from BogotÃ¡, Colombia. Studia Geophysica Et Geodaetica, 2013, 57, 741-754.	0.5	14
40	Integrated archeomagnetic and microâ€“Raman spectroscopy study of preâ€Columbian ceramics from the Mesoamerican formative village of Cuanalan, Teotihuacan Valley, Mexico. Journal of Geophysical Research, 2009, 114, .	3.3	13
41	Magnetic properties and Archeointensity of Earthâ€™s magnetic field recovered from El OpeÃ±o, earliest funeral architecture known in Western Mesoamerica. Studia Geophysica Et Geodaetica, 2010, 54, 575-593.	0.5	13
42	Historic and ancient tsunamis uncovered on the Jalisco-Colima Pacific coast, the Mexican subduction zone. Geomorphology, 2016, 259, 90-104.	2.6	13
43	Paleomagnetism of the Eastern Alkaline Province (Mexico): contribution to the time-averaged field global database and geomagnetic instability time scale. Earth, Planets and Space, 2007, 59, 775-783.	2.5	12
44	New absolute paleointensity results from the Parana Magmatic Province (Uruguay) and the Early Cretaceous geomagnetic paleofield. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	12
45	Gilbert-Gauss geomagnetic reversal recorded in Pliocene volcanic sequences from Georgia (Lesser) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	12
46	Paleosecular variation record of geomagnetic full vector during late Miocene, from the Nayarit area, Mexico. Physics of the Earth and Planetary Interiors, 2002, 134, 71-88.	1.9	11
47	Paleosecular variation and absolute geomagnetic paleointensity records retrieved from the Early Cretaceous Posadas Formation (Misiones, Argentina). Studia Geophysica Et Geodaetica, 2011, 55, 279-309.	0.5	11
48	Paleomagnetism of early cretaceous arapey formation (Northern Uruguay). Studia Geophysica Et Geodaetica, 2010, 54, 533-546.	0.5	10
49	Magnetic record of extreme marine inundation events at Las Salinas site, Jalisco, Mexican Pacific coast. International Geology Review, 2016, 58, 342-357.	2.1	10
50	Rockâ€Magnetic and Archaeointensity Investigation of Pottery and a Burned Floor at the Tzintzuntzan Archaeological Site, Western Mexico. Geoarchaeology - an International Journal, 2012, 27, 521-537.	1.5	9
51	Archeointensity investigation on pottery vestiges from Puertas de RolÃ³n, Capacha culture: In search for affinity with other Mesoamerican pre-Hispanic cultures. Studia Geophysica Et Geodaetica, 2013, 57, 605-626.	0.5	9
52	Sedimentary and microfossil imprint from historical earthquakes and tsunamis, Jalisco coast, Mexican subduction. Marine Geology, 2019, 407, 32-43.	2.1	9
53	Fluctuation of the Earth's magnetic field elements in Mexico revealed by archive documents since 1587. Physics of the Earth and Planetary Interiors, 2020, 300, 106433.	1.9	9
54	On the absolute geomagnetic intensity fluctuations in Mexico over the last three millennia. Journal of South American Earth Sciences, 2021, 106, 102927.	1.4	9

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55	Thermomagnetic monitoring of lithic clasts burned under controlled temperature and field conditions. Implications for archaeomagnetism. Geofisica International, 2014, 53, 473-490.	0.2	8
56	Palaeomagnetism and 40Ar/39Ar age of a Pliocene lava flow sequence in the Lesser Caucasus: record of a clockwise rotation and analysis of palaeosecular variation. Geophysical Journal International, 2014, 197, 1354-1370.	2.4	8
57	A reconnaissance magnetostratigraphy of Georgian Plio- Quaternary volcanic provinces (southern) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	8
58	Further absolute geomagnetic paleointensities from BajaÂCalifornia: evaluation of Pliocene and Early/Middle Pleistocene data. Comptes Rendus - Geoscience, 2003, 335, 995-1004.	1.2	7
59	Absolute geomagnetic intensity determinations on Formative potsherds (1400â€“700 BC) from the Oaxaca Valley, Southwestern Mexico. Quaternary Research, 2012, 78, 442-453.	1.7	7
60	Rock-magnetic and paleomagnetic results from the Tepic-Zacoalco rift region (western Mexico). Studia Geophysica Et Geodaetica, 2013, 57, 309-331.	0.5	7
61	A comprehensive paleomagnetic study from the last Plinian eruptions of Popocatepetl volcano: absolute chronology of lavas and estimation of emplacement temperatures of PDCs. Earth, Planets and Space, 2019, 71, .	2.5	7
62	First archaeointensity reference paleosecular variation curve for South America and its implications for geomagnetism and archaeology. Quaternary Research, 2019, 92, 81-97.	1.7	7
63	Weak palaeointensity results over a Pliocene volcanic sequence from Lesser Caucasus (Georgia): transitional record or time averaged field?. Geophysical Journal International, 2020, 220, 1604-1618.	2.4	7
64	Color as a New Proxy Technique for the Identification of Road Dust Samples Contaminated with Potentially Toxic Elements: The Case of MÃ©rida, YucatÃ¡n, MÃ©xico. Atmosphere, 2021, 12, 483.	2.3	7
65	A detailed rock-magnetic and archaeomagnetic investigation on wattle and daub building (Bajareque) remains from TeuchitlÃ¡n tradition (nw Mesoamerica). Journal of Archaeological Science: Reports, 2016, 5, 564-573.	0.5	6
66	Evidence of Unusual Geomagnetic Regimes Recorded in Plioâ€Pleistocene Volcanic Sequences from the Lesser Caucasus (Southern Georgia). Geochemistry, Geophysics, Geosystems, 2018, 19, 1429-1446.	2.5	6
67	Magnetic Mineralogy, Paleomagnetism, and Magnetostratigraphy of Nayarit Volcanic Formations, Western Mexico: A Pilot Study. International Geology Review, 2002, 44, 264-276.	2.1	5
68	An experimental evaluation of Shawâ€™s paleointensity method and its modifications using Late Quaternary basalts. Physics of the Earth and Planetary Interiors, 2003, 138, 1-10.	1.9	5
69	Further details on the applicability of Thellier paleointensity method: The effect of magnitude of laboratory field. Comptes Rendus - Geoscience, 2006, 338, 507-513.	1.2	5
70	Plio-pleistocene paleomagnetic record from the MichoacÃ¡n-Guanajuato Monogenetic Volcanic Field (Western Mexico). Studia Geophysica Et Geodaetica, 2011, 55, 311-328.	0.5	5
71	The use of pictorial remanent magnetization as a dating tool: State of the art and perspectives. Journal of Archaeological Science: Reports, 2016, 8, 15-21.	0.5	5
72	Archaeomagnetic evidence of pre-Hispanic origin of Mezcal. Journal of Archaeological Science: Reports, 2018, 21, 504-511.	0.5	5

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73	Novel insights on the geomagnetic field in West Africa from a new intensity reference curve (0-2000) Tj ETQq1 1 0.784314 rgBT /Ove	3.3	5
74	Fluctuations of magnetic inclination and declination in Mexico during the last three millennia. Quaternary Geochronology, 2022, , 101309.	1.4	5
75	Absolute paleointensity of the Earth's magnetic field during Jurassic: case study of La Negra Formation (northern Chile). Comptes Rendus - Geoscience, 2003, 335, 661-670.	1.2	4
76	Combined Paleomagnetic and Petromagnetic Study of the Upper Cretaceous Volcanic Sequence in Western Mexico: Implications for Tectonics and Magnetostratigraphy of the Jalisco Block. International Geology Review, 2003, 45, 886-897.	2.1	4
77	The Earth's magnetic field prior to the Cretaceous Normal Superchron: new palaeomagnetic results from the Alto Paraguay Formation. International Geology Review, 2013, 55, 692-704.	2.1	4
78	Absolute paleointensity determinations by using of conventional double-heating and multispecimen approaches on a Pliocene lava flow sequence from the Lesser Caucasus. Physics of the Earth and Planetary Interiors, 2016, 257, 158-170.	1.9	4
79	First evidence of complex dental practice about 1300 BP in Mesoamerica revealed by absolute geomagnetic intensity. Studia Geophysica Et Geodaetica, 2017, 61, 310-317.	0.5	4
80	Absolute geomagnetic intensity record from pre-Columbian pottery dates elite Tlailotlacan Woman in ancient Teotihuacan. Journal of Archaeological Science: Reports, 2017, 14, 146-151.	0.5	4
81	Reassessment of the eruptive chronology of El Metate shield volcano (central-western Mexico) based on a comprehensive rock-magnetic, paleomagnetic and multi-approach paleointensity survey. Quaternary Geochronology, 2020, 55, 101031.	1.4	4
82	Semicontinuous paleomagnetic record of the last 1ÂMa from radiometrically dated igneous rocks (Trans-Mexican Volcanic Belt and surrounding areas). Journal of South American Earth Sciences, 2021, 108, 103195.	1.4	4
83	Lava identification by paleomagnetism: a case study and some problems surrounding the 1631 eruption of Mount Vesuvius, Italy. Earth, Planets and Space, 2006, 58, 1061-1069.	2.5	3
84	Geomagnetic field intensity from Kilauea 1955 and 1960 lava flows: Towards a better understanding of paleointensity. Studia Geophysica Et Geodaetica, 2010, 54, 561-574.	0.5	3
85	Paleomagnetic and rock-magnetic survey of eocene dike swarms from the Tecalitlan area (Western) Tj ETQq1 1 0.784314 rgBT /Overl	0.5	3
86	Comprehensive magnetic surveys of kilns for bell and tile fabrication in Castile (Spain). Journal of Archaeological Science: Reports, 2019, 23, 426-436.	0.5	3
87	Pyrotechnological knowledge in the pre-Hispanic Maya society: Magnetic and infrared spectrometry surveys of limekilns in the western Yucatan Peninsula (Mexico). Journal of Archaeological Science: Reports, 2020, 33, 102457.	0.5	3
88	Paleointensity Results From Pliocene Lavas of the Lesser Caucasus Obtained Using the Multispecimen Parallel Differential pTRM Method: A Comparison With Thellierâ€Thellier and IZZI Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB019682.	3.4	3
89	An inter-comparison exercise for the Mexican intensity secular variation curves: Case study of the Tingambato archaeological site (central-western Mexico). Quaternary Geochronology, 2021, 65, 101195.	1.4	3
90	Rock-magnetic and paleomagnetic survey on dated lava flows erupted during the Bruhnes and Matuyama chrons: the Mascota Volcanic Field revisited (Western Mexico). Studia Geophysica Et Geodaetica, 2017, 61, 249-263.	0.5	2

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91	From empirical considerations to absolute ages: How geomagnetic field variation may date Teotihuacan mural paintings. Physics of the Earth and Planetary Interiors, 2018, 284, 10-16.	1.9	2
92	Paleomagnetic study from radiometrically dated lavas associated to the Tepic-Zacoalco Rift (western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf American Earth Sciences, 2020, 104, 102796.	1.4	2
93	An integrated magnetic survey on lava flows associated to the Paricutin volcano (Western Mexico). Journal of South American Earth Sciences, 2021, 106, 103075.	1.4	2
94	New contributions to the Early Pliocene geomagnetic field strength: Case study of southern Caucasus volcanics. Geofisica International, 2000, 39, 277-284.	0.2	2
95	A multimethod paleointensity approach applied to the historical Xitle lava flows (Central Mexico): towards the accurate paleointensity determination. Earth, Planets and Space, 2020, 72, .	2.5	2
96	Rock-magnetic and archeomagnetic survey from some classical settlements at Chapultepec archeological site (western Mesoamerica). Studia Geophysica Et Geodaetica, 2011, 55, 329-342.	0.5	1
97	Palaeomagnetic results from the Chiapanecan Volcanic Arc, Chiapas, Southern Mexico: geomagnetic and geodynamic significance. International Geology Review, 2012, 54, 1906-1917.	2.1	1
98	An integrated magnetic, geochemical and archeointensity investigation of casting debris from ancient metallurgical sites of MichoacÃ¡n, Western Mesoamerica. Studia Geophysica Et Geodaetica, 2017, 61, 290-309.	0.5	1
99	Spatial distribution of historical geomagnetic measurements in Mexico. Journal of South American Earth Sciences, 2020, 100, 102556.	1.4	1
100	Noise across Olduvai Subchron: Paleomagnetic study of a Pliocene lava succession from Javakheti Highland (Georgia, Lesser Caucasus). Physics of the Earth and Planetary Interiors, 2021, 311, 106641.	1.9	1
101	Mayan limekilns as geomagnetic field recorders. Journal of South American Earth Sciences, 2021, 109, 103284.	1.4	1
102	Magnetic and pedological characterisation of a paleosol under aridic conditions in Spain. Studia Geophysica Et Geodaetica, 2018, 62, 139-166.	0.5	1
103	Secular variation of the Earth's magnetic field revealed by Mexican Geomagnetic Repeat Stations during the last two centuries. Journal of South American Earth Sciences, 2022, 113, 103652.	1.4	1
104	Aeromagnetic anomalies and magnetic domains of the Jalisco Block, western Mexico. Journal of South American Earth Sciences, 2022, 114, 103679.	1.4	1
105	First archaeomagnetic results from Colombia (the BogotÃ¡ Savanna Pre-Hispanic sites): Implications for the Caribbean absolute geomagnetic intensity variation curve. Journal of Archaeological Science: Reports, 2019, 26, 101898.	0.5	0
106	Archaeomagnetic evidence of a likely earlier occupation of "El Caracol" lava flow (Zacapu MalpaÃs,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	0
107	Refining the absolute chronology of Teotihuacan (Mesoamerica): New archaeomagnetic datings of fire footprints. Journal of Archaeological Science: Reports, 2022, 42, 103363.	0.5	0