

Monika Korte

List of Publications by Year in descending order

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108
papers

5,136
citations

147801

31
h-index

88630

70
g-index

122
all docs

122
docs citations

122
times ranked

3584
citing authors

#	ARTICLE	IF	CITATIONS
1	A regional geomagnetic field model over Southern Africa derived with harmonic splines from Swarm satellite and ground-based data recorded between 2014 and 2019. <i>Earth, Planets and Space</i> , 2022, 74, .	2.5	1
2	ArchKalmag14k: A Kalman-Filter Based Global Geomagnetic Model for the Holocene. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	12
3	Effects of the Laschamps Excursion on Geomagnetic Cutoff Rigidities. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	8
4	Thank You to Our 2021 Peer Reviewers. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	0
5	Geomagnetism. , 2021, , 664-674.		1
6	Geomagnetic Field, Secular Variation. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 514-515.	0.1	0
7	International Geomagnetic Reference Field: the thirteenth generation. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	319
8	The Mag.num core field model as a parent for IGRF-13, and the recent evolution of the South Atlantic Anomaly. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	10
9	Thank You to Our 2020 Peer Reviewers. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093126.	4.0	0
10	Correlation Based Time Evolution of the Archeomagnetic Field. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021548.	3.4	2
11	Global archaeomagnetic data: The state of the art and future challenges. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 318, 106766.	1.9	24
12	Towards Understanding the Interconnection between Celestial Pole Motion and Earth's Magnetic Field Using Space Geodetic Techniques. <i>Sensors</i> , 2021, 21, 7555.	3.8	2
13	Global Evolution and Dynamics of the Geomagnetic Field in the 15-70 kyr Period Based on Selected Paleomagnetic Sediment Records. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022681.	3.4	18
14	Correlation based snapshot models of the archeomagnetic field. <i>Geophysical Journal International</i> , 2020, 223, 648-665.	2.4	7
15	The Norwegian-Greenland Sea, the Laschamps, and the Mono Lake Excursions Recorded in a Black Sea Sedimentary Sequence Spanning From 68.9 to 14.5 ka. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019225.	3.4	21
16	Thank You to Our 2019 Peer Reviewers. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088048.	4.0	0
17	Persistent westward drift of the geomagnetic field at the core-mantle boundary linked to recurrent high-latitude weak/reverse flux patches. <i>Geophysical Journal International</i> , 2020, 222, 1423-1432.	2.4	10
18	Geomagnetic Field, Secular Variation. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-2.	0.1	0

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19	The Global Geomagnetic Field of the Past Hundred Thousand Years. <i>Eos</i> , 2020, 101, .	0.1	0
20	Geomagnetism: From Alexander von Humboldt to Current Challenges. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3801-3820.	2.5	10
21	Why Study the Geomagnetic Field?. , 2019, , 7-29.		0
22	Spatial and Temporal Changes of the Geomagnetic Field. , 2019, , 115-132.		15
23	The Ionospheric Field. , 2019, , 141-159.		0
24	Temporal Field Variations. , 2019, , 181-206.		0
25	Long- and Short-Term Geomagnetic Prediction. , 2019, , 312-326.		0
26	One Hundred Thousand Years of Geomagnetic Field Evolution. <i>Reviews of Geophysics</i> , 2019, 57, 1289-1337.	23.0	59
27	Thank You to Our 2018 Peer Reviewers. <i>Geophysical Research Letters</i> , 2019, 46, 12608-12636.	4.0	0
28	Robust Characteristics of the Laschamp and Mono Lake Geomagnetic Excursions: Results From Global Field Models. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	45
29	Evolution of Large-scale Magnetic Fields From Near-Earth Space During the Last 11 Solar Cycles. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2527-2540.	2.4	5
30	A Statistical Classifier for Historical Geomagnetic Storm Drivers Derived Solely From Ground-Based Magnetic Field Measurements. <i>Earth and Space Science</i> , 2019, 6, 2000-2015.	2.6	3
31	Refining Holocene geochronologies using palaeomagnetic records. <i>Quaternary Geochronology</i> , 2019, 50, 47-74.	1.4	29
32	Palaeo- and rock magnetic investigations of Late Quaternary sediments from the Upper Congo deep-sea fan: on the difficulty in obtaining palaeomagnetic secular variation records from low latitudes. <i>International Journal of Earth Sciences</i> , 2019, 108, 267-285.	1.8	3
33	Global Geomagnetic Field Reconstructions from Centuries to Excursions. <i>Astrophysics and Space Science Library</i> , 2018, , 83-110.	2.7	2
34	A harmonic spline magnetic main field model for Southern Africa combining ground and satellite data to describe the evolution of the South Atlantic Anomaly in this region between 2005 and 2010. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	7
35	Earth's magnetic field is probably not reversing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5111-5116.	7.1	62
36	A high-resolution lithospheric magnetic field model over southern Africa based on a joint inversion of CHAMP, Swarm, WDMAM, and ground magnetic field data. <i>Solid Earth</i> , 2018, 9, 897-910.	2.8	7

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37	Extending Global Continuous Geomagnetic Field Reconstructions on Timescales Beyond Human Civilization. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4757-4772.	2.5	58
38	Appreciation of 2017 GRL Peer Reviewers. <i>Geophysical Research Letters</i> , 2018, 45, 4494-4528.	4.0	0
39	Archeomagnetic Intensity Spikes: Global or Regional Geomagnetic Field Features?. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	30
40	Advances in archaeomagnetic dating in Britain: New data, new approaches and a new calibration curve. <i>Journal of Archaeological Science</i> , 2017, 85, 66-82.	2.4	31
41	On the possibility of producing definitive magnetic observatory data within less than one year. <i>Acta Geophysica</i> , 2017, 65, 275-286.	2.0	1
42	An annual proxy for the geomagnetic signal of magnetospheric currents on Earth based on observatory data from 1900–2010. <i>Geophysical Journal International</i> , 2017, 211, 1223-1236.	2.4	3
43	Merging fluxgate and induction coil data to produce low-noise geomagnetic observatory data meeting the INTERMAGNET definitive 1 s data standard. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2017, 6, 487-493.	1.6	4
44	Paleo- and rock magnetic investigations on Late Quaternary sediments from low latitudes I: Geomagnetic paleosecular variation and relative paleointensity records from the Tobago Basin, Southeast Caribbean. <i>Geophysical Journal International</i> , 2016, , ggw481.	2.4	1
45	Persistent high paleosecular variation activity in southern hemisphere for at least 10 ⁶ years. <i>Earth and Planetary Science Letters</i> , 2016, 453, 78-86.	4.4	208
46	Variations in Mid-Latitude Auroral Activity During the Holocene*. <i>Archaeometry</i> , 2016, 58, 159-176.	1.3	14
47	A simple model for geomagnetic field excursions and inferences for palaeomagnetic observations. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 254, 1-11.	1.9	19
48	Morphology of the southern African geomagnetic field derived from observatory and repeat station survey observations: 2005–2014. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	10
49	Validity of archaeomagnetic field recording: an experimental pottery kiln at Coppengrave, Germany. <i>Geophysical Journal International</i> , 2016, 205, 622-635.	2.4	15
50	Geopotential field anomalies and regional tectonic features – two case studies: southern Africa and Germany. <i>Solid Earth</i> , 2016, 7, 751-768.	2.8	5
51	International Geomagnetic Reference Field: the 12th generation. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	1,015
52	Centennial- to Millennial-Scale Geomagnetic Field Variations. , 2015, , 309-341.		20
53	Limitations in paleomagnetic data and modelling techniques and their impact on Holocene geomagnetic field models. <i>Geophysical Journal International</i> , 2015, 202, 402-418.	2.4	54
54	GEOMAGIA50.v3: 1. general structure and modifications to the archeological and volcanic database. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	149

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55	GEOMAGIA50.v3: 2. A new paleomagnetic database for lake and marine sediments. Earth, Planets and Space, 2015, 67, .	2.5	55
56	New insights into regional tectonics of the Sundaâ€“Banda Arcs region from integrated magnetic and gravity modelling. Journal of Asian Earth Sciences, 2014, 80, 172-184.	2.3	22
57	Reconstructing Holocene geomagnetic field variation: new methods, models and implications. Geophysical Journal International, 2014, 198, 229-248.	2.4	196
58	Magnetic Declination Chart 2006 of Europe â€“ produced by the MagNetE Group. Annals of Geophysics, 2013, 55, .	1.0	3
59	Repeat station data compared to a global geomagnetic field model. Annals of Geophysics, 2013, 55, .	1.0	1
60	Centennial to millennial geomagnetic field variations. Journal of Space Weather and Space Climate, 2012, 2, A08.	3.3	9
61	The time-dependence of intense archeomagnetic flux patches. Journal of Geophysical Research, 2011, 116, .	3.3	39
62	Reconstructing the Holocene geomagnetic field. Earth and Planetary Science Letters, 2011, 312, 497-505.	4.4	264
63	Improving geomagnetic field reconstructions for 0â€“3ka. Physics of the Earth and Planetary Interiors, 2011, 188, 247-259.	1.9	203
64	SOUTHERN AFRICAN GEOMAGNETIC SECULAR VARIATION FROM 2005 TO 2009. South African Journal of Geology, 2011, 114, 515-524.	1.2	6
65	Geomagnetic Observations and Models. , 2011, , .		42
66	Polynomial Modelling of Southern African Secular Variation Observations Since 2005. Data Science Journal, 2011, 10, IAGA95-IAGA101.	1.3	3
67	DI3 - A New Procedure for Absolute Directional Measurements. Data Science Journal, 2011, 10, IAGA47-IAGA51.	1.3	0
68	Geomagnetic field anomalies over the Lombok Island region: an attempt to understand the local tectonic changes. International Journal of Earth Sciences, 2010, 99, 1123-1132.	1.8	10
69	Millennial Variations of the Geomagnetic Field: from Data Recovery to Field Reconstruction. Space Science Reviews, 2010, 155, 219-246.	8.1	29
70	Age assignment of a diatomaceous ooze deposited in the western Amundsen Sea Embayment after the Last Glacial Maximum. Journal of Quaternary Science, 2010, 25, 280-295.	2.1	62
71	Regional millennial trend in the cosmic ray induced ionization of the troposphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 19-25.	1.6	28
72	Four decades of geomagnetic and solar activity: 1960â€“2001. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 607-616.	1.6	18

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73	On the persistence of geomagnetic flux lobes in global Holocene field models. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 182, 179-186.	1.9	50
74	New geomagnetic field observations in the South Atlantic Anomaly region. <i>Annals of Geophysics</i> , 2010, 52, .	1.0	8
75	Alexander von Humboldt's charts of the Earth's magnetic field: an assessment based on modern models. <i>History of Geo- and Space Sciences</i> , 2010, 1, 63-76.	0.4	4
76	Millennial Variations of the Geomagnetic Field: from Data Recovery to Field Reconstruction. <i>Space Sciences Series of ISSI</i> , 2010, , 219-246.	0.0	0
77	Four decades of European geomagnetic secular variation and acceleration. <i>Annals of Geophysics</i> , 2010, 52, .	1.0	2
78	A historical declination curve for Munich from different data sources. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 177, 161-172.	1.9	42
79	The Recent Geomagnetic Field and its Variations. <i>Advances in Geophysical and Environmental Mechanics and Mathematics</i> , 2009, , 25-63.	0.2	8
80	Geomagnetic field for 0-3 ka: 1. New data sets for global modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	154
81	Geomagnetic field for 0-3 ka: 2. A new series of time-varying global models. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	270
82	Improving the Visualization and Interpretation of Inhomogeneous Data Sets. <i>Eos</i> , 2009, 90, 167-167.	0.1	1
83	Spatial and temporal resolution of millennial scale geomagnetic field models. <i>Advances in Space Research</i> , 2008, 41, 57-69.	2.6	51
84	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. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	174
85	Role of centennial geomagnetic changes in local atmospheric ionization. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	44
86	The evolution of the core-surface flow over the last seven thousands years. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
87	Magnetic poles and dipole tilt variation over the past decades to millennia. <i>Earth, Planets and Space</i> , 2008, 60, 937-948.	2.5	31
88	Modelling the southern African geomagnetic field secular variation using ground survey data for 2005. <i>South African Journal of Geology</i> , 2007, 110, 187-192.	1.2	10
89	The magnetic field changing over the southern African continent: a unique behaviour. <i>South African Journal of Geology</i> , 2007, 110, 193-202.	1.2	28
90	Improved observations at the southern African geomagnetic repeat station network. <i>South African Journal of Geology</i> , 2007, 110, 175-186.	1.2	20

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91	Automation of absolute measurement of the geomagnetic field. <i>Earth, Planets and Space</i> , 2007, 59, 1007-1014.	2.5	19
92	On long-term trends in European geomagnetic observatory biases. <i>Earth, Planets and Space</i> , 2007, 59, 685-695.	2.5	13
93	Contributions of the external field to the observatory annual means and a proposal for their corrections. <i>Earth, Planets and Space</i> , 2007, 59, 251-257.	2.5	20
94	Ancient Sundials and Maps Reveal Historical Geomagnetic Declination Values. <i>Eos</i> , 2007, 88, 310.	0.1	9
95	Geomagnetic repeat station crustal biases and vectorial anomaly maps for Germany. <i>Geophysical Journal International</i> , 2007, 170, 81-92.	2.4	23
96	On the use of calibrated relative paleointensity records to improve millennial-scale geomagnetic field models. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	22
97	Solar activity reconstructed over the last 7000 years: The influence of geomagnetic field changes. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	53
98	Is Earth's magnetic field reversing?. <i>Earth and Planetary Science Letters</i> , 2006, 246, 1-16.	4.4	64
99	Centennial to millennial geomagnetic secular variation. <i>Geophysical Journal International</i> , 2006, 167, 43-52.	2.4	42
100	The geomagnetic dipole moment over the last 7000 years – new results from a global model. <i>Earth and Planetary Science Letters</i> , 2005, 236, 348-358.	4.4	167
101	Continuous geomagnetic field models for the past 7 millennia: 1. A new global data compilation. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	2.5	95
102	Continuous geomagnetic field models for the past 7 millennia: 2. CALS7K. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	2.5	149
103	Regularization of spherical cap harmonics. <i>Geophysical Journal International</i> , 2003, 153, 253-262.	2.4	42
104	Improvements planned for European geomagnetic repeat stations. <i>Eos</i> , 2003, 84, 160-160.	0.1	7
105	Continuous global geomagnetic field models for the past 3000 years. <i>Physics of the Earth and Planetary Interiors</i> , 2003, 140, 73-89.	1.9	103
106	Revised magnetic power spectrum of the oceanic crust. <i>Journal of Geophysical Research</i> , 2002, 107, EPM 6-1-EPM 6-8.	3.3	5
107	Did the solar eclipse of August 11, 1999, show a geomagnetic effect?. <i>Journal of Geophysical Research</i> , 2001, 106, 18563-18575.	3.3	29
108	Modelling European magnetic repeat station and survey data by SCHA in search of time-varying anomalies. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 122, 205-220.	1.9	29