

# Yongjae Yu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3355771/publications.pdf>

Version: 2024-02-01

83  
papers

2,063  
citations

236612

25  
h-index

253896

43  
g-index

89  
all docs

89  
docs citations

89  
times ranked

1728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature dependence of magnetic susceptibility in an argon environment: implications for pedogenesis of Chinese loess/palaeosols. <i>Geophysical Journal International</i> , 2005, 161, 102-112.	1.0	270
2	Toward an optimal geomagnetic field intensity determination technique. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	1.0	173
3	Quantifying grain size distribution of pedogenic magnetic particles in Chinese loess and its significance for pedogenesis. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	133
4	Testing the IZZI protocol of geomagnetic field intensity determination. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	73
5	Anthropogenic contribution of magnetic particulates in urban roadside dust. <i>Atmospheric Environment</i> , 2009, 43, 3137-3144.	1.9	73
6	Grain size distribution of pedogenic magnetic particles in Chinese loess/paleosols. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	72
7	Petrogenesis of Late Cenozoic basaltic rocks from southern Vietnam. <i>Lithos</i> , 2017, 272-273, 192-204.	0.6	61
8	Paleointensity determination on the Late Precambrian Tudor Gabbro, Ontario. <i>Journal of Geophysical Research</i> , 2001, 106, 26331-26343.	3.3	53
9	Characteristic low-temperature magnetic properties of aluminous goethite [ $\pm$ -(Fe, Al)OOH] explained. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	52
10	Geochemical constraints on the spatial distribution of recycled oceanic crust in the mantle source of late Cenozoic basalts, Vietnam. <i>Lithos</i> , 2018, 296-299, 382-395.	0.6	48
11	Multivectorial paleointensity determination from the Cordova Gabbro, southern Ontario. <i>Earth and Planetary Science Letters</i> , 2002, 203, 983-998.	1.8	46
12	Importance of cooling rate dependence of thermoremanence in paleointensity determination. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	45
13	Partial anhysteretic remanent magnetization in magnetite 1. Additivity. <i>Journal of Geophysical Research</i> , 2002, 107, EPM 7-1-EPM 7-9.	3.3	43
14	Globally strong geomagnetic field intensity circa 3000 years ago. <i>Earth and Planetary Science Letters</i> , 2013, 383, 142-152.	1.8	41
15	On partial thermoremanent magnetization tail checks in Thellier paleointensity determination. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	40
16	Are ARM and TRM analogs? Thellier analysis of ARM and pseudo-Thellier analysis of TRM. <i>Earth and Planetary Science Letters</i> , 2003, 205, 325-336.	1.8	38
17	Magnetic discrimination between Al <sup>3+</sup> -substituted hematites synthesized by hydrothermal and thermal dehydration methods and its geological significance. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	37
18	The magnetism of micro-sized hematite explained. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 183, 387-397.	0.7	35

#	ARTICLE	IF	CITATIONS
19	Magnetic evaluation of sediment provenance in the northern East China Sea using fuzzy c-means cluster analysis. <i>Marine Geology</i> , 2013, 337, 9-19.	0.9	35
20	Asian dust storm as conveyance media of anthropogenic pollutants. <i>Atmospheric Environment</i> , 2012, 49, 41-50.	1.9	31
21	Effects of the core-shell structure on the magnetic properties of partially oxidized magnetite grains: Experimental and micromagnetic investigations. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2021-2038.	1.0	31
22	Spinel in Martian meteorite SaU 008: implications for Martian magnetism. <i>Earth and Planetary Science Letters</i> , 2005, 232, 287-294.	1.8	28
23	Role of Chinese wind-blown dust in enhancing environmental pollution in Metropolitan Seoul. <i>Environmental Pollution</i> , 2008, 153, 333-341.	3.7	28
24	Paleointensity determination using anhysteretic remanence and saturation isothermal remanence. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	26
25	Age and tectonic implications of Paleoproterozoic Deo Khe Granitoids within the Phan Si Pan Zone, Vietnam. <i>Journal of Asian Earth Sciences</i> , 2015, 111, 781-791.	1.0	26
26	How accurately can NRM/SIRM determine the ancient planetary magnetic field intensity?. <i>Earth and Planetary Science Letters</i> , 2006, 250, 27-37.	1.8	25
27	Mechanism of the parasitic remanence of aluminous goethite [ $\pm$ -(Fe, Al)OOH]. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	24
28	Ferro and antiferromagnetism of ultrafine-grained hematite. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2699-2712.	1.0	23
29	Magnetic properties of Kurokami pumices from Mt. Sakurajima, Japan. <i>Earth and Planetary Science Letters</i> , 2001, 192, 439-446.	1.8	21
30	Archeomagnetism of Ontario potsherds from the last 2000 years. <i>Journal of Geophysical Research</i> , 2000, 105, 19419-19433.	3.3	20
31	Paleointensity estimates from ignimbrites: An evaluation of the Bishop Tuff. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	20
32	Isotope geochemistry of Jeongok basalts, northernmost South Korea: Implications for the enriched mantle end-member component. <i>Journal of Asian Earth Sciences</i> , 2014, 91, 56-68.	1.0	19
33	High-fidelity paleointensity determination from historic volcanoes in Japan. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
34	Temperature dependence of magnetic hysteresis. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, .	1.0	16
35	A linear field dependence of thermoremanence in low magnetic fields. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 162, 244-248.	0.7	16
36	Acquisition of viscous remanent magnetization. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 159, 32-42.	0.7	15

#	ARTICLE	IF	CITATIONS
37	Archeomagnetic secular variation from Korea: Implication for the occurrence of global archeomagnetic jerks. <i>Earth and Planetary Science Letters</i> , 2010, 294, 173-181.	1.8	15
38	Decay-rate dependence of anhysteretic remanence: Fundamental origin and paleomagnetic applications. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	14
39	On the use of magnetic transient hysteresis in paleomagnetism for granulometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	14
40	Enhancing weak magnetic fabrics using field-impressed anisotropy: application to the Chinese loess. <i>Geophysical Journal International</i> , 2005, 162, 381-389.	1.0	13
41	Testing the independence of partial thermoremanent magnetizations of single-domain and multidomain grains: Implications for paleointensity determination. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	13
42	Intensity and Polarity of the Geomagnetic Field During Precambrian Time. <i>Geophysical Monograph Series</i> , 0, , 85-100.	0.1	13
43	Zircon U-Pb ages, geochemistry and isotopic characteristics of the Chu Lai granitic pluton in the Kontum massif, central Vietnam. <i>Mineralogy and Petrology</i> , 2020, 114, 289-303.	0.4	13
44	Variation of Earth's Oblateness $J_2$ on Interannual to Decadal Timescales. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019421.	1.4	13
45	Partial anhysteretic remanent magnetization in magnetite 2. Reciprocity. <i>Journal of Geophysical Research</i> , 2002, 107, EPM 8-1-EPM 8-9.	3.3	12
46	Effect of multi-cycle heat treatment and pre-history dependence on partial thermoremanence (pTRM) and pTRM tails. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 157, 196-207.	0.7	12
47	On the resolution of multivectorial remanences. <i>Earth and Planetary Science Letters</i> , 2003, 208, 13-26.	1.8	11
48	Magnetic Properties of Deep-sea Sediments From the North Pacific: A Proxy of Glacial Deep-water Ventilation. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4433-4443.	1.0	10
49	The effects of secondary mineral formation on Coe-type paleointensity determinations: Theory and simulation. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1215-1234.	1.0	9
50	Identification of atmospheric transport and dispersion of Asian dust storms. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1425-1435.	1.5	9
51	Particle-size dependent magnetic properties of Scotia Sea sediments since the Last Glacial Maximum: Glacial ice-sheet discharge controlling magnetic proxies. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 557, 109906.	1.0	9
52	Effects of internal stress on remanence intensity jumps across the Verwey transition for multi-domain magnetite. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 100-107.	0.7	8
53	Hydrothermal fluid-controlled remagnetization of sedimentary rocks in Korea: Tectonic importance of pervasive Tertiary remagnetization. <i>Tectonophysics</i> , 2009, 474, 684-695.	0.9	8
54	Ancient stable magnetism of the Richardton H5 chondrite. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 177, 12-18.	0.7	8

#	ARTICLE	IF	CITATIONS
55	Variations of Earth Magnetic Field Intensity for the Past 5 Myr Derived From Marine Magnetic Anomalies in a Slow-Intermediate Spreading South Atlantic Ridge. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7321-7337.	1.4	8
56	Earth's Magnetic Field Strength and the Cretaceous Normal Superchron: New Data From Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009605.	1.0	8
57	Pressure demagnetization of synthetic Al substituted hematite and its implications for planetary studies. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 224, 1-10.	0.7	7
58	Wavelet-based verification of a relative paleointensity record from the North Pacific. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	7
59	Do rainfalls wash out anthropogenic airborne magnetic particulates?. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9713-9722.	2.7	6
60	Testing an inverse Thellier method of paleointensity determination. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	5
61	Testing the independence law of partial ARMs: implications for paleointensity determination. <i>Earth and Planetary Science Letters</i> , 2003, 208, 27-39.	1.8	5
62	Multi-cycle low-temperature demagnetization (LTD) of multidomain Fe <sub>3</sub> O <sub>4</sub> (magnetite). <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 283, 150-156.	1.0	5
63	Micromagnetic models of the effect of particle shape on magnetic hysteresis. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 92-99.	0.7	5
64	Paleointensity determination of Late Cretaceous basalts in northwest South Korea: implications for low and stable paleofield strength in the Late Cretaceous. <i>Earth, Planets and Space</i> , 2013, 65, 1501-1513.	0.9	5
65	Magnetic Cr-Rich Spinel in Serpentinized Ultramafic Complexes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020443.	1.4	5
66	Partial anhysteretic remanent magnetization (pARM) of synthetic single- and multidomain magnetites and its paleoenvironmental significance. <i>Science Bulletin</i> , 2005, 50, 2381-2384.	1.7	4
67	Apparent polar wander path for East Asia and implications for paleomagnetic low inclination in sedimentary rocks. <i>Physics of the Earth and Planetary Interiors</i> , 2019, 289, 63-72.	0.7	4
68	New criteria for selecting reliable Thellier-type paleointensity results from the 1960 Kilauea lava flows, Hawaii. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	4
69	Effect of low-temperature treatments on pseudo-Thellier paleointensity determination. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	3
70	Paleomagnetism and U-Pb geochronology of the late Cretaceous Chisulryoung Volcanic Formation, Korea: tectonic evolution of the Korean Peninsula. <i>Earth, Planets and Space</i> , 2015, 67, .	0.9	3
71	Reliable paleointensity determinations from Late Cretaceous volcanic rocks in Korea with constraint of thermochemical alteration. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 279, 47-56.	0.7	3
72	Tracing of traffic-related pollution using magnetic properties of topsoils in Daejeon, Korea. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	3

#	ARTICLE	IF	CITATIONS
73	Prediction of Seasonal Nitrate Concentration in Springs on the Southern Slope of Jeju Island using Multiple Linear Regression of Geographic Spatial Data. <i>Economic and Environmental Geology</i> , 2011, 44, 135-152.	0.2	3
74	Geochemical constraints on the evolution of the lithospheric mantle beneath central and southern Vietnam. <i>Geosciences Journal</i> , 2021, 25, 433-451.	0.6	3
75	Geomagnetic field intensity determination from Pleistocene trachytic lava flows in Jeju Geopark. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 516-529.	1.0	2
76	Magnetic signature of sewage polluted river sediments. <i>Geosciences Journal</i> , 2021, 25, 685-696.	0.6	2
77	Basic Lunar Topography and Geology for Space Scientists. <i>Uju Gisulgwa Eungyong</i> , 2021, 1, 217-240.	0.1	2
78	Origin of stable remanent magnetization in LL6 chondrite, St. S��verin. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 292-300.	0.7	1
79	Magnetic Fabrics and Source Implications of Chisulryoung Ignimbrites, South Korea. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	1
80	Properties of partial thermoremanence in magnetite: Testing the blocking versus unblocking temperature spectrum using the phenomenological model. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	0
81	METEORITES: ROCKS FROM THE OUTER SPACE. <i>Journal of the Korean Astronomical Society</i> , 2010, 43, 183-190.	1.5	0
82	Magnetic Stability of Hematite on Low-temperature Magnetic Phase Transition. <i>Journal of the Mineralogical Society of Korea</i> , 2013, 26, 19-25.	0.2	0
83	Magnetism of (Cr,Fe,Ti)-rich Spinel from the Martian Meteorites. <i>Journal of the Geological Society of Korea</i> , 2015, 51, 273.	0.3	0