

Yongjae Yu

List of Publications by Year in descending order

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83
papers

2,063
citations

236612

25
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253896

43
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89
all docs

89
docs citations

89
times ranked

1728
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Magnetic signature of sewage polluted river sediments. <i>Geosciences Journal</i> , 2021, 25, 685-696. | 0.6 | 2 |
| 2 | 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 |
| 3 | 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 |
| 4 | Basic Lunar Topography and Geology for Space Scientists. <i>Uju Gisulgwa Eungyong</i> , 2021, 1, 217-240. | 0.1 | 2 |
| 5 | 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 |
| 6 | Tracing of traffic-related pollution using magnetic properties of topsoils in Daejeon, Korea. <i>Environmental Earth Sciences</i> , 2020, 79, 1. | 1.3 | 3 |
| 7 | Magnetic Cr ²⁺ -Rich Spinel in Serpentinized Ultramafic Complexes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020443. | 1.4 | 5 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Wavelet-based verification of a relative paleointensity record from the North Pacific. <i>Earth, Planets and Space</i> , 2019, 71, . | 0.9 | 7 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Variations of Earth Magnetic Field Intensity for the Past 5 Myr Derived From Marine Magnetic Anomalies in a Slow to Intermediate Spreading South Atlantic Ridge. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7321-7337. | 1.4 | 8 |
| 17 | Petrogenesis of Late Cenozoic basaltic rocks from southern Vietnam. <i>Lithos</i> , 2017, 272-273, 192-204. | 0.6 | 61 |
| 18 | Do rainfalls wash out anthropogenic airborne magnetic particulates?. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9713-9722. | 2.7 | 6 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Magnetic Fabrics and Source Implications of Chisulryoung Ignimbrites, South Korea. <i>Frontiers in Earth Science</i> , 2016, 4, . | 0.8 | 1 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Geomagnetic field intensity determination from Pleistocene trachytic lava flows in Jeju Geopark. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 516-529. | 1.0 | 2 |
| 25 | 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 |
| 26 | 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 |
| 27 | Ferro and antiferromagnetism of ultrafine-grained hematite. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2699-2712. | 1.0 | 23 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Globally strong geomagnetic field intensity circa 3000 years ago. <i>Earth and Planetary Science Letters</i> , 2013, 383, 142-152. | 1.8 | 41 |
| 32 | 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 |
| 33 | 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 |
| 34 | Magnetic discrimination between Al-substituted hematites synthesized by hydrothermal and thermal dehydration methods and its geological significance. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 37 |
| 35 | High-fidelity paleointensity determination from historic volcanoes in Japan. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 17 |
| 36 | Asian dust storm as conveyance media of anthropogenic pollutants. <i>Atmospheric Environment</i> , 2012, 49, 41-50. | 1.9 | 31 |

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| 37 | Importance of cooling rate dependence of thermoremanence in paleointensity determination. Journal of Geophysical Research, 2011, 116, . | 3.3 | 45 |
| 38 | Origin of stable remanent magnetization in LL6 chondrite, St. SÃ©verin. Physics of the Earth and Planetary Interiors, 2011, 187, 292-300. | 0.7 | 1 |
| 39 | Prediction of Seasonal Nitrate Concentration in Springs on the Southern Slope of Jeju Island using Multiple Linear Regression of Geographic Spatial Data. Economic and Environmental Geology, 2011, 44, 135-152. | 0.2 | 3 |
| 40 | Paleointensity determination using anhysteretic remanence and saturation isothermal remanence. Geochemistry, Geophysics, Geosystems, 2010, 11, . | 1.0 | 26 |
| 41 | Paleointensity estimates from ignimbrites: An evaluation of the Bishop Tuff. Geochemistry, Geophysics, Geosystems, 2010, 11, . | 1.0 | 20 |
| 42 | Archeomagnetic secular variation from Korea: Implication for the occurrence of global archeomagnetic jerks. Earth and Planetary Science Letters, 2010, 294, 173-181. | 1.8 | 15 |
| 43 | The magnetism of micro-sized hematite explained. Physics of the Earth and Planetary Interiors, 2010, 183, 387-397. | 0.7 | 35 |
| 44 | METEORITES: ROCKS FROM THE OUTER SPACE. Journal of the Korean Astronomical Society, 2010, 43, 183-190. | 1.5 | 0 |
| 45 | Anthropogenic contribution of magnetic particulates in urban roadside dust. Atmospheric Environment, 2009, 43, 3137-3144. | 1.9 | 73 |
| 46 | Hydrothermal fluid-controlled remagnetization of sedimentary rocks in Korea: Tectonic importance of pervasive Tertiary remagnetization. Tectonophysics, 2009, 474, 684-695. | 0.9 | 8 |
| 47 | Ancient stable magnetism of the Richardton H5 chondrite. Physics of the Earth and Planetary Interiors, 2009, 177, 12-18. | 0.7 | 8 |
| 48 | Properties of partial thermoremanence in magnetite: Testing the blocking versus unblocking temperature spectrum using the phenomenological model. Journal of Geophysical Research, 2009, 114, . | 3.3 | 0 |
| 49 | Effects of internal stress on remanence intensity jumps across the Verwey transition for multi-domain magnetite. Physics of the Earth and Planetary Interiors, 2008, 169, 100-107. | 0.7 | 8 |
| 50 | Role of Chinese wind-blown dust in enhancing environmental pollution in Metropolitan Seoul. Environmental Pollution, 2008, 153, 333-341. | 3.7 | 28 |
| 51 | Micromagnetic models of the effect of particle shape on magnetic hysteresis. Physics of the Earth and Planetary Interiors, 2008, 169, 92-99. | 0.7 | 5 |
| 52 | A linear field dependence of thermoremanence in low magnetic fields. Physics of the Earth and Planetary Interiors, 2007, 162, 244-248. | 0.7 | 16 |
| 53 | Testing the independence of partial thermoremanent magnetizations of single-domain and multidomain grains: Implications for paleointensity determination. Journal of Geophysical Research, 2006, 111, n/a-n/a. | 3.3 | 13 |
| 54 | Characteristic low-temperature magnetic properties of aluminous goethite [\pm -(Fe, Al)OOH] explained. Journal of Geophysical Research, 2006, 111, n/a-n/a. | 3.3 | 52 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Acquisition of viscous remanent magnetization. <i>Physics of the Earth and Planetary Interiors</i> , 2006, 159, 32-42. | 0.7 | 15 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Spinel in Martian meteorite SaU 008: implications for Martian magnetism. <i>Earth and Planetary Science Letters</i> , 2005, 232, 287-294. | 1.8 | 28 |
| 62 | 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 |
| 63 | Testing the IZZI protocol of geomagnetic field intensity determination. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a. | 1.0 | 73 |
| 64 | 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 |
| 65 | Toward an optimal geomagnetic field intensity determination technique. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a. | 1.0 | 173 |
| 66 | Multi-cycle low-temperature demagnetization (LTD) of multidomain Fe ₃ O ₄ (magnetite). <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 283, 150-156. | 1.0 | 5 |
| 67 | Temperature dependence of magnetic hysteresis. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, . | 1.0 | 16 |
| 68 | Grain size distribution of pedogenic magnetic particles in Chinese loess/paleosols. <i>Geophysical Research Letters</i> , 2004, 31, . | 1.5 | 72 |
| 69 | Mechanism of the parasitic remanence of aluminous goethite [\pm -(Fe, Al)OOH]. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 24 |
| 70 | Effect of low-temperature treatments on pseudo-Thellier paleointensity determination. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 3 |
| 71 | On partial thermoremanent magnetization tail checks in Thellier paleointensity determination. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 40 |
| 72 | Testing an inverse Thellier method of paleointensity determination. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 5 |

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| 73 | Decay-rate dependence of anhysteretic remanence: Fundamental origin and paleomagnetic applications. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 14 |
| 74 | 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 |
| 75 | On the resolution of multivectorial remanences. <i>Earth and Planetary Science Letters</i> , 2003, 208, 13-26. | 1.8 | 11 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | Multivectorial paleointensity determination from the Cordova Gabbro, southern Ontario. <i>Earth and Planetary Science Letters</i> , 2002, 203, 983-998. | 1.8 | 46 |
| 80 | Paleointensity determination on the Late Precambrian Tudor Gabbro, Ontario. <i>Journal of Geophysical Research</i> , 2001, 106, 26331-26343. | 3.3 | 53 |
| 81 | Magnetic properties of Kurokami pumices from Mt. Sakurajima, Japan. <i>Earth and Planetary Science Letters</i> , 2001, 192, 439-446. | 1.8 | 21 |
| 82 | Archeomagnetism of Ontario potsherds from the last 2000 years. <i>Journal of Geophysical Research</i> , 2000, 105, 19419-19433. | 3.3 | 20 |
| 83 | Intensity and Polarity of the Geomagnetic Field During Precambrian Time. <i>Geophysical Monograph Series</i> , 0, , 85-100. | 0.1 | 13 |