

# Masahiko Sato

## List of Publications by Year in descending order

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21  
papers

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citations

1307594

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h-index

1058476

14  
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docs citations

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times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-rich hydrothermal environments in the Hadean ocean inferred from serpentinization of komatiites at 300°C and 500 bar. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	3.0	45
2	Scanning SQUID microscope system for geological samples: system integration and initial evaluation. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	25
3	Rock-magnetic properties of single zircon crystals sampled from the Tanzawa tonalitic pluton, central Japan. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	21
4	SQUID Microscope With Hollow-Structured Cryostat for Magnetic Field Imaging of Room Temperature Samples. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-5.	1.7	15
5	Scanning SQUID microscopy of a ferromanganese crust from the northwestern Pacific: Submillimeter scale magnetostratigraphy as a new tool for age determination and mapping of environmental magnetic parameters. <i>Geophysical Research Letters</i> , 2017, 44, 5360-5367.	4.0	15
6	Abrupt intensification of North Atlantic Deep Water formation at the Nordic Seas during the late Pliocene climate transition. <i>Geophysical Research Letters</i> , 2015, 42, 4949-4955.	4.0	10
7	Paleomagnetic studies on single crystals separated from the middle Cretaceous Iritono granite. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	10
8	Latest Pliocene Northern Hemisphere glaciation amplified by intensified Atlantic meridional overturning circulation. <i>Communications Earth &amp; Environment</i> , 2020, 1, .	6.8	8
9	Variation of Iron Species in Plagioclase Crystals by X-ray Absorption Fine Structure Analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5319-5333.	2.5	7
10	Shock Remanent Magnetization Intensity and Stability Distributions of Single-Domain Titanomagnetite-Bearing Basalt Sample Under the Pressure Range of 0.1–10 GPa. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092716.	4.0	7
11	Hydrostatic pressure effect on magnetic hysteresis parameters of pseudo-single-domain magnetite. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2825-2834.	2.5	6
12	Pressure effect on magnetic hysteresis parameters of single-domain magnetite contained in natural plagioclase crystal. <i>Geophysical Journal International</i> , 2015, 202, 394-401.	2.4	5
13	Pressure effect on low-temperature remanence of multidomain magnetite: Change in demagnetization temperature. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	4
14	Constraints on the Source of the Martian Magnetic Anomalies Inferred From Relaxation Time of Remanent Magnetization. <i>Geophysical Research Letters</i> , 2018, 45, 6417-6427.	4.0	4
15	Embryonic Rifting Zone Revealed by a High-Density Survey on the Southern Margin of the Southern Okinawa Trough. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090161.	4.0	4
16	Hydrostatic pressure effect on magnetic hysteresis parameters of multidomain magnetite: Implication for crustal magnetization. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 233, 33-40.	1.9	3
17	Basic properties of transition remanent magnetizations of magnetite in relation to the ambient field using granite samples. <i>Geophysical Journal International</i> , 2015, 200, 25-34.	2.4	3
18	Development of scanning SQUID microscope system and its applications on geological samples: A case study on marine ferromanganese crust. <i>Journal of Physics: Conference Series</i> , 2020, 1590, 012037.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Millennial-Scale Interaction between Ice Sheets and Ocean Circulation during Marine Isotope Stage 100. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	1
20	Experimental Evaluation of Remanence Carriers Using the Microcoercivity-Unlocking Temperature Diagram. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5177-5191.	2.5	1
21	Composition law of oblique anhysteretic remanent magnetization and its relation to the magnetostatic interaction. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1043-1052.	2.5	0