

# Joshua Einsle

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

494  
citations

759233

12  
h-index

677142

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking Subsurface Active Weathering Processes in Serpentine. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL088472.	4.0	2
2	Helium ion microscope “secondary ion mass spectrometry for geological materials. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1504-1515.	2.8	3
3	Nanoscale Imaging of High-Field Magnetic Hysteresis in Meteoritic Metal Using X-Ray Holography. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009044.	2.5	12
4	Reevaluating the evidence for a Hadean-Eoarchean dynamo. <i>Science Advances</i> , 2020, 6, eaav9634.	10.3	18
5	Projecting into the Third Dimension: 3D Ore Mineralogy via Machine Learning of Automated Mineralogy and X-Ray Microscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 410-411.	0.4	2
6	Analytics on the FIB: ORION-SIMS and the Discovery of a Unique Chondrite-like, Precambrian Impactor. <i>Microscopy and Microanalysis</i> , 2019, 25, 890-891.	0.4	3
7	Field Response of Magnetic Vortices in Dusty Olivine From the Semarkona Chondrite. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1441-1453.	2.5	4
8	Secondary magnetite in ancient zircon precludes analysis of a Hadean geodynamo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 407-412.	7.1	24
9	Secondary magnetic inclusions in detrital zircons from the Jack Hills, Western Australia, and implications for the origin of the geodynamo. <i>Geology</i> , 2018, 46, 427-430.	4.4	27
10	Nanomagnetic properties of the meteorite cloudy zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11436-E11445.	7.1	36
11	The Vortex State in Geologic Materials: A Micromagnetic Perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7285-7304.	3.4	59
12	Evaluating the paleomagnetic potential of single zircon crystals using the Bishop Tuff. <i>Earth and Planetary Science Letters</i> , 2017, 458, 1-13.	4.4	33
13	Anatomy of Heinrich Layer 1 and its role in the last deglaciation. <i>Paleoceanography</i> , 2017, 32, 284-303.	3.0	128
14	Data Clustering and Scanning Precession Electron Diffraction for Microanalysis. <i>Microscopy and Microanalysis</i> , 2017, 23, 116-117.	0.4	2
15	On three-dimensional misorientation spaces. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170274.	2.1	32
16	Improved Data Analysis and Reconstruction Methods for STEM-EDX Tomography. <i>Microscopy and Microanalysis</i> , 2016, 22, 284-285.	0.4	2
17	Multi-scale three-dimensional characterization of iron particles in dusty olivine: Implications for paleomagnetism of chondritic meteorites. <i>American Mineralogist</i> , 2016, 101, 2070-2084.	1.9	35
18	Can Zircons be Suitable Paleomagnetic Recorders? - A Correlative Study of Bishop Tuff Zircon Grains Using High Resolution Lab X-ray Microscopes and a Quantum Diamond Microscope. <i>Microscopy and Microanalysis</i> , 2016, 22, 1794-1795.	0.4	1

#	ARTICLE	IF	CITATIONS
19	In situ electron holography of the dynamic magnetic field emanating from a hard-disk drive writer. Nano Research, 2015, 8, 1241-1249.	10.4	14
20	Sequential injection of domain walls into ferroelectrics at different bias voltages: Paving the way for "domain wall memristors". Journal of Applied Physics, 2014, 116, .	2.5	20
21	Live Imaging of Reversible Domain Evolution in BaTiO <sub>3</sub> on the Nanometer Scale Using in-situ STEM and TEM. Microscopy and Microanalysis, 2014, 20, 1560-1561.	0.4	3
22	Directed self-assembly of nanorod networks: bringing the top down to the bottom up. Nanotechnology, 2012, 23, 505302.	2.6	4
23	Hybrid FIB milling strategy for the fabrication of plasmonic nanostructures on semiconductor substrates. Nanoscale Research Letters, 2011, 6, 572.	5.7	16
24	Optical transmission of periodic annular apertures in metal film on high-refractive index substrate: The role of the nanopillar shape. Applied Physics Letters, 2010, 96, .	3.3	13
25	Annular holes and their arrays for light extraction from high refractive index substrates.. , 2009, , .		0