

# Joshua Einsle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1563610/publications.pdf>

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	Anatomy of Heinrich Layer 1 and its role in the last deglaciation. <i>Paleoceanography</i> , 2017, 32, 284-303.	3.0	128
2	The Vortex State in Geologic Materials: A Micromagnetic Perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7285-7304.	3.4	59
3	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
4	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
5	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
6	On three-dimensional misorientation spaces. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170274.	2.1	32
7	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
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	Sequential injection of domain walls into ferroelectrics at different bias voltages: Paving the way for "domain wall memristors". <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	20
10	Reevaluating the evidence for a Hadean-Eoarchean dynamo. <i>Science Advances</i> , 2020, 6, eaav9634.	10.3	18
11	Hybrid FIB milling strategy for the fabrication of plasmonic nanostructures on semiconductor substrates. <i>Nanoscale Research Letters</i> , 2011, 6, 572.	5.7	16
12	In situ electron holography of the dynamic magnetic field emanating from a hard-disk drive writer. <i>Nano Research</i> , 2015, 8, 1241-1249.	10.4	14
13	Optical transmission of periodic annular apertures in metal film on high-refractive index substrate: The role of the nanopillar shape. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	13
14	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
15	Directed self-assembly of nanorod networks: bringing the top down to the bottom up. <i>Nanotechnology</i> , 2012, 23, 505302.	2.6	4
16	Field Response of Magnetic Vortices in Dusty Olivine From the Semarkona Chondrite. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1441-1453.	2.5	4
17	Live Imaging of Reversible Domain Evolution in BaTiO <sub>3</sub> on the Nanometer Scale Using in-situ STEM and TEM. <i>Microscopy and Microanalysis</i> , 2014, 20, 1560-1561.	0.4	3
18	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

#	ARTICLE	IF	CITATIONS
19	Helium ion microscope “ secondary ion mass spectrometry for geological materials. Beilstein Journal of Nanotechnology, 2020, 11, 1504-1515.	2.8	3
20	Improved Data Analysis and Reconstruction Methods for STEM-EDX Tomography. Microscopy and Microanalysis, 2016, 22, 284-285.	0.4	2
21	Data Clustering and Scanning Precession Electron Diffraction for Microanalysis. Microscopy and Microanalysis, 2017, 23, 116-117.	0.4	2
22	Projecting into the Third Dimension: 3D Ore Mineralogy via Machine Learning of Automated Mineralogy and X-Ray Microscopy. Microscopy and Microanalysis, 2019, 25, 410-411.	0.4	2
23	Tracking Subsurface Active Weathering Processes in Serpentinite. Geophysical Research Letters, 2021, 48, e2020GL088472.	4.0	2
24	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. Microscopy and Microanalysis, 2016, 22, 1794-1795.	0.4	1
25	Annular holes and their arrays for light extraction from high refractive index substrates.. , 2009, , .		0