

# Anna Losiak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3954456/publications.pdf>

Version: 2024-02-01

22  
papers

256  
citations

933447

10  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

410  
citing authors

#	ARTICLE	IF	CITATIONS
1	The MARS2013 Mars Analog Mission. <i>Astrobiology</i> , 2014, 14, 360-376.	3.0	34
2	Evaporite formation during weathering of Antarctic meteoritesâ€”â€”A weathering census analysis based on the ANSMET database. <i>Meteoritics and Planetary Science</i> , 2011, 46, 443-458.	1.6	27
3	Grid-based mapping: A method for rapidly determining the spatial distributions of small features over very large areas. <i>Planetary and Space Science</i> , 2017, 140, 49-61.	1.7	26
4	ANIE: A mathematical algorithm for automated indexing of planar deformation features in quartz grains. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1418-1424.	1.6	20
5	The AMADEE-15 Mars simulation. <i>Acta Astronautica</i> , 2016, 129, 277-290.	3.2	20
6	Denticles on Chain Silicate Grain Surfaces and Their Utility as Indicators of Weathering Conditions on Earth and Mars. <i>Journal of Sedimentary Research</i> , 2010, 80, 771-780.	1.6	19
7	Dating a small impact crater: An age of Kaali crater (Estonia) based on charcoal emplaced within proximal ejecta. <i>Meteoritics and Planetary Science</i> , 2016, 51, 681-695.	1.6	18
8	Petrology, major and trace element geochemistry, geochronology, and isotopic composition of granitic intrusions from the vicinity of the Bosumtwi impact crater, Ghana. <i>Lithos</i> , 2013, 177, 297-313.	1.4	12
9	Remote Science Support during MARS2013: Testing a Map-Based System of Data Processing and Utilization for Future Long-Duration Planetary Missions. <i>Astrobiology</i> , 2014, 14, 417-430.	3.0	11
10	Grid Mapping the Northern Plains of Mars: Geomorphological, Radar, and Waterâ€”Equivalent Hydrogen Results From Arcadia Planitia. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 504-527.	3.6	10
11	Laboratory Analysis of Returned Samples from the AMADEE-18 Mars Analog Mission. <i>Astrobiology</i> , 2020, 20, 1303-1320.	3.0	10
12	Field Trial of a Dual-Wavelength Fluorescent Emission (L.I.F.E.) Instrument and the Magma White Rover during the MARS2013 Mars Analog Mission. <i>Astrobiology</i> , 2014, 14, 391-405.	3.0	9
13	Determining the age and possibility for an extraterrestrial impact formation mechanism of the Ilumetsa structures (Estonia). <i>Meteoritics and Planetary Science</i> , 2020, 55, 274-293.	1.6	9
14	Ephemeral liquid water at the surface of the martian North Polar Residual Cap: Results of numerical modelling. <i>Icarus</i> , 2015, 262, 131-139.	2.5	8
15	WIP: A Webâ€”based program for indexing planar features in quartz grains and its usage. <i>Meteoritics and Planetary Science</i> , 2016, 51, 647-662.	1.6	8
16	<sup>10</sup> Be content in clasts from fallout suevitic breccia in drill cores from the Bosumtwi impact crater, Ghana: Clues to preimpact target distribution. <i>Meteoritics and Planetary Science</i> , 2014, 49, 394-411.	1.6	4
17	A statistical dynamical study of meteorite impactors: A case study based on parameters derived from the Bosumtwi impact event. <i>Astronomische Nachrichten</i> , 2013, 334, 936-939.	1.2	3
18	A Case for Using Ground-Based Thermal Inertia Measurements to Detect Martian Caves. <i>Astrobiology</i> , 2014, 14, 431-437.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Influence of surface-area estimation on rates of plagioclase weathering determined from naturally weathered 3400 y old Hawaiian basalt. <i>Mineralogical Magazine</i> , 2008, 72, 91-94.	1.4	2
20	Remote science activities during the AMADEE-18 Mars analog mission: Preparation and execution during a simulated planetary surface mission. <i>Journal of Space Safety Engineering</i> , 2021, 8, 75-85.	0.9	2
21	Early Thermal History of Rhea: The Role of Serpentinization and Liquid State Convection. <i>Acta Geophysica</i> , 2016, 64, 2677-2716.	2.0	1
22	The Role of Maps During Long-Term Analog Planetary Missions and Future Mars Missions. <i>Lecture Notes in Geoinformation and Cartography</i> , 2019, , 253-261.	1.0	0