

# Amar Agarwal

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

249  
citations

1040056

9  
h-index

1058476

14  
g-index

29  
all docs

29  
docs citations

29  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Back-thrusting in Lesser Himalaya: Evidences from magnetic fabric studies in parts of Almora crystalline zone, Kumaun Lesser Himalaya. <i>Journal of Earth System Science</i> , 2016, 125, 873-884.	1.3	25
2	Microstructures and strain variation: Evidence of multiple splays in the North Almora Thrust Zone, Kumaun Lesser Himalaya, Uttarakhand, India. <i>Tectonophysics</i> , 2017, 694, 239-248.	2.2	24
3	Relationships among magnetic fabrics, microfractures and shock pressures at an impact crater: A case study from Lockne crater, Sweden. <i>Journal of Applied Geophysics</i> , 2015, 114, 232-243.	2.1	20
4	Paleomagnetic and AMS studies of the El Castillo ignimbrite, central-east Mexico: Source and rock magnetic nature. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 336, 140-154.	2.1	18
5	Lingunite-a high-pressure plagioclase polymorph at mineral interfaces in doleritic rock of the Lockne impact structure (Sweden). <i>Scientific Reports</i> , 2016, 6, 25991.	3.3	16
6	Impact Experiment on Gneiss: The Effects of Foliation on Cratering Process. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13532-13546.	3.4	12
7	Paleomagnetism and tectonics from the late Pliocene to late Pleistocene in the Xalapa monogenetic volcanic field, Veracruz, Mexico. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 1581-1590.	3.3	11
8	Shock pressure estimates in target basalts of a pristine crater: A case study in the Lonar crater, India. <i>Bulletin of the Geological Society of America</i> , 0, , B31172.1.	3.3	10
9	Ramgarh, Rajasthan, India: A 10 km diameter complex impact structure. <i>Meteoritics and Planetary Science</i> , 2020, 55, 936-961.	1.6	10
10	Modification of fold geometry in Almora Crystalline Shear Zone, Lesser Himalaya, India. <i>Journal of the Geological Society of India</i> , 2010, 75, 411-414.	1.1	9
11	Variation in Magnetic Fabrics at Low Shock Pressure Due to Experimental Impact Cratering. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9095-9108.	3.4	9
12	Emplacement temperature resolution and age determination of Cerro Colorado tuff ring by paleomagnetic analysis, El Pinacate Volcanic Field, Sonora, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 369, 145-154.	2.1	9
13	Curie temperature of weakly shocked target basalts at the Lonar impact crater, India. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	9
14	Alternating augite-plagioclase wedges in basement dolerites of Lockne impact structure, Sweden: A new shock wave-induced deformation feature. <i>Meteoritics and Planetary Science</i> , 2017, 52, 458-470.	1.6	8
15	Emplacement dynamics and hydrothermal alteration of the Atengo ignimbrite, southern Sierra Madre Occidental, northwestern Mexico. <i>Journal of South American Earth Sciences</i> , 2017, 80, 559-568.	1.4	8
16	Mineralogical and magnetic characterization of Olmec ilmenite multi-perforated artifacts and inferences on source provenance. <i>European Journal of Mineralogy</i> , 2017, 29, 851-860.	1.3	8
17	Paleomagnetism and age constraints of historical lava flows from the El Jorullo volcano, Michoacán, Mexico. <i>Journal of South American Earth Sciences</i> , 2019, 93, 439-448.	1.4	8
18	Evidence for shock provides insight into the formation of the central elevated area in the Dhala impact structure, India. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2772-2779.	1.6	5

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19	Review of magmatic iron-ore mineralization in central-western Mexico: Rock-magnetism and magnetic anomaly modelling of Las Truchas, case study. <i>Journal of South American Earth Sciences</i> , 2020, 97, 102409.	1.4	4
20	Magnetic fabrics in an apparently undeformed granite body near Main Boundary Thrust (MBT), Kumaun Lesser Himalaya, India. <i>Tectonophysics</i> , 2021, 815, 228996.	2.2	4
21	Tectonics, cooling rates and temperatures during emplacement of the Rajmahal traps, India. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 424, 107496.	2.1	4
22	A novel Seahorse-shaped, small-scale structure from Almora Crystalline Zone, Uttarakhand, India. <i>International Journal of Earth Sciences</i> , 2018, 107, 2063-2064.	1.8	3
23	Uranium enrichment at North Almora Thrust Zone, Kumaun Lesser Himalaya, Uttarakhand, India. <i>Journal of Earth System Science</i> , 2019, 128, 1.	1.3	3
24	Asymmetric development of the Himalaya: quantitative evidence from strain analysis in Kimin-Ziro-Tamen area, Arunachal Lesser Himalaya, India. <i>International Journal of Earth Sciences</i> , 2021, 110, 1517-1530.	1.8	3
25	Unblocking temperature of secondary magnetic component to outline anomaly thermomagnetic maps of archaeological fireplaces from the southern region of Mexico City, Mexico. <i>Revista Mexicana De Ciencias Geológicas</i> , 2019, 36, 411-418.	0.4	3
26	Overtuned jointed non-sheared granite block emplaced on sheared non-jointed Alum shale. <i>International Journal of Earth Sciences</i> , 2018, 107, 2463-2464.	1.8	2
27	Impact Craters in India. <i>Journal of the Geological Society of India</i> , 2022, 98, 286-286.	1.1	2
28	Jet onset time and velocity for various natural hypervelocity impacts. <i>International Journal of Impact Engineering</i> , 2022, 168, 104310.	5.0	2
29	Stereographic Reconstruction of Impact Microstructures using Optical and Electron Microscopy. <i>Journal of the Geological Society of India</i> , 2020, 96, 579-583.	1.1	0