

Sonia M Tikoo-Schantz

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,332
citations

430874

18
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

1249
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamos in the Inner Solar System. <i>Annual Review of Earth and Planetary Sciences</i> , 2022, 50, 99-122.	11.0	9
2	An episodic high-intensity lunar core dynamo. <i>Nature Astronomy</i> , 2022, 6, 325-330.	10.1	7
3	A South Pole–Aitken impact origin of the lunar compositional asymmetry. <i>Science Advances</i> , 2022, 8, eabm8475.	10.3	11
4	Mars as a time machine to Precambrian Earth. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	1
5	Reevaluating Links Between Meteorite Impacts and Early Cenozoic Global Warming. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	0
6	Constraining the Decline of the Lunar Dynamo Field at $\sim 3.1 \text{ Ga}$ Through Paleomagnetic Analyses of Apollo 12 Mare Basalts. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006715.	3.6	7
7	Ocean resurge-induced impact melt dynamics on the peak-ring of the Chicxulub impact structure, Mexico. <i>International Journal of Earth Sciences</i> , 2021, 110, 2619-2636.	1.8	5
8	Explosive interaction of impact melt and seawater following the Chicxulub impact event. <i>Geology</i> , 2020, 48, 108-112.	4.4	25
9	The Habitat of the Nascent Chicxulub Crater. <i>AGU Advances</i> , 2020, 1, e2020AV000208.	5.4	12
10	Probing the hydrothermal system of the Chicxulub impact crater. <i>Science Advances</i> , 2020, 6, eaaz3053.	10.3	69
11	Probing space to understand Earth. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 170-181.	29.7	24
12	The first day of the Cenozoic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19342-19351.	7.1	100
13	The Case Against an Early Lunar Dynamo Powered by Core Convection. <i>Geophysical Research Letters</i> , 2018, 45, 98-107.	4.0	30
14	Lunar Swirl Morphology Constrains the Geometry, Magnetization, and Origins of Lunar Magnetic Anomalies. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2223-2241.	3.6	34
15	Rapid recovery of life at ground zero of the end-Cretaceous mass extinction. <i>Nature</i> , 2018, 558, 288-291.	27.8	123
16	The fate of water within Earth and super-Earths and implications for plate tectonics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20150394.	3.4	27
17	A two-billion-year history for the lunar dynamo. <i>Science Advances</i> , 2017, 3, e1700207.	10.3	71
18	Reply to Comment on “Pervasive remagnetization of detrital zircon host rocks in the Jack Hills, Western Australia and implications for records of the early dynamo”. <i>Earth and Planetary Science Letters</i> , 2016, 450, 409-412.	4.4	13

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19	A matter of minutes: Breccia dike paleomagnetism provides evidence for rapid crater modification. <i>Geology</i> , 2016, 44, 723-726.	4.4	5
20	The formation of peak rings in large impact craters. <i>Science</i> , 2016, 354, 878-882.	12.6	181
21	The effects of 10 to >160 GPa shock on the magnetic properties of basalt and diabase. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4753-4771.	2.5	13
22	Magnetism of a very young lunar glass. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1720-1735.	3.6	36
23	Preservation and detectability of shock-induced magnetization. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1461-1475.	3.6	31
24	The lunar dynamo. <i>Science</i> , 2014, 346, 1246753.	12.6	178
25	A wet, heterogeneous lunar interior: Lower mantle and core dynamo evolution. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1061-1077.	3.6	54
26	Decline of the lunar core dynamo. <i>Earth and Planetary Science Letters</i> , 2014, 404, 89-97.	4.4	62
27	A Long-Lived Lunar Core Dynamo. <i>Science</i> , 2012, 335, 453-456.	12.6	94
28	Magnetic fidelity of lunar samples and implications for an ancient core dynamo. <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 93-103.	4.4	41
29	Gigantism in unique biogenic magnetite at the Paleocene-Eocene Thermal Maximum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17648-17653.	7.1	69