Eleanor K Sansom

List of Publications by Year
in descending order

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		623734	345221
41	3,470	14	36
papers	citations	h-index	g-index

42	42	42	8081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probing the history of ultraâ€high temperature metamorphism through rare earth element diffusion in zircon. Journal of Metamorphic Geology, 2022, 40, 329-357.	3.4	3
2	The scientific observation campaign of the Hayabusa-2 capsule re-entry. Publication of the Astronomical Society of Japan, 2022, 74, 50-63.	2.5	6
3	Modeling of 3D trajectory of Hayabusa2 re-entry based on acoustic observations. Publication of the Astronomical Society of Japan, 2022, 74, 308-317.	2.5	5
4	Dark-flight Estimates of Meteorite Fall Positions: Issues and a Case Study Using the Murrili Meteorite Fall. Planetary Science Journal, 2022, 3, 44.	3.6	4
5	Arpu Kuilpu: An H5 from the outer main belt. Meteoritics and Planetary Science, 2022, 57, 1146-1157.	1.6	4
6	Trajectory, recovery, and orbital history of the Madura Cave meteorite. Meteoritics and Planetary Science, 2022, 57, 1328-1338.	1.6	5
7	Successful Recovery of an Observed Meteorite Fall Using Drones and Machine Learning. Astrophysical Journal Letters, 2022, 930, L25.	8.3	3
8	Meteoroid Fragmentation in the Martian Atmosphere and the Formation of Crater Clusters. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	6
9	Statistical analysis of fireballs: Seismic signature survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	2
10	Mineralogy, petrology, geochemistry, and chronology of the Murrili (H5) meteorite fall: The third recovered fall from the Desert Fireball Network. Meteoritics and Planetary Science, 2021, 56, 241-259.	1.6	3
11	Listening for the Landing: Seismic Detections of Perseverance's Arrival at Mars With InSight. Earth and Space Science, 2021, 8, e2020EA001585.	2.6	5
12	The Main Asteroid Belt: The Primary Source of Debris on Comet-like Orbits. Planetary Science Journal, 2021, 2, 98.	3.6	5
13	The proposed Silicate-Sulfuric Acid Process: Mineral processing for In Situ Resource Utilization (ISRU). Acta Astronautica, 2021, 188, 57-63.	3.2	3
14	Taurid Stream #628: A Reservoir of Large Cometary Impactors. Planetary Science Journal, 2021, 2, 223.	3.6	5
15	The Tharsis mantle source of depleted shergottites revealed by 90 million impact craters. Nature Communications, 2021, 12, 6352.	12.8	31
16	Recreating the OSIRIS-REx slingshot manoeuvre from a network of ground-based sensors. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	0
17	Machine learning for semiâ€automated meteorite recovery. Meteoritics and Planetary Science, 2020, 55, 2461-2471.	1.6	4
18	A Global Fireball Observatory. Planetary and Space Science, 2020, 191, 105036.	1.7	31

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19	Using atmospheric impact data to model meteoroid close encounters. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5240-5250.	4.4	2
20	Murrili meteoriteâ€™s fall and recovery from Kati Thanda. Meteoritics and Planetary Science, 2020, 55, 2157-2168.	1.6	10
21	Where Did They Come From, Where Did They Go: Grazing Fireballs. Astronomical Journal, 2020, 159, 191.	4.7	7
22	A Dynamic Trajectory Fit to Multisensor Fireball Observations. Astronomical Journal, 2020, 160, 190.	4.7	4
23	Comparing analytical and numerical approaches to meteoroid orbit determination using Hayabusa telemetry. Meteoritics and Planetary Science, 2019, 54, 2149-2162.	1.6	15
24	Observation of metre-scale impactors by the Desert Fireball Network. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5166-5178.	4.4	35
25	Identification of a Minimoon Fireball. Astronomical Journal, 2019, 158, 183.	4.7	5
26	Determining Fireball Fates Using the Î±â€“Î²ÂCriterion. Astrophysical Journal, 2019, 885, 115.	4.5	27
27	3D meteoroid trajectories. Icarus, 2019, 321, 388-406.	2.5	21
28	Impact-Seismic Investigations of the InSight Mission. Space Science Reviews, 2018, 214, 1.	8.1	48
29	The Dingle Dell meteorite: A Halloween treat from the Main Belt. Meteoritics and Planetary Science, 2018, 53, 2212-2227.	1.6	31
30	ANALYZING METEOROID FLIGHTS USING PARTICLE FILTERS. Astronomical Journal, 2017, 153, 87.	4.7	10
31	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
32	Submillisecond fireball timing using de Bruijn timecodes. Meteoritics and Planetary Science, 2017, 52, 1669-1682.	1.6	20
33	How to build a continental scale fireball camera network. Experimental Astronomy, 2017, 43, 237-266.	3.7	46
34	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	142
35	The desert fireball network: A sensor network for meteorite tracking and recovery. , 2016, , .		0
36	FILTERING METEOROID FLIGHTS USING MULTIPLE UNSCENTED KALMAN FILTERS. Astronomical Journal, 2016, 152, 148.	4.7	4

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37	A novel approach to fireball modeling: The observable and the calculated. Meteoritics and Planetary Science, 2015, 50, 1423-1435.	1.6	30
38	The growth of non-colinear normal fault systems; What can we learn from 3D seismic reflection data?. Journal of Structural Geology, 2015, 70, 141-155.	2.3	72
39	Characterising fireballs for mass determination: Steps toward automating the Australian desert fireball network. , 2014, , .		1
40	Advanced digital fireball observatories: Enabling the expansion of the desert fireball network. , 2014, , .		0
41	Fireball streak detection with minimal CPU processing requirements for the Desert Fireball Network data processing pipeline. Publications of the Astronomical Society of Australia, 0, 37, .	3.4	10