

# Eleanor K Sansom

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8475109/publications.pdf>

Version: 2024-02-01

41  
papers

3,470  
citations

623734

14  
h-index

345221

36  
g-index

42  
all docs

42  
docs citations

42  
times ranked

8081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
2	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	142
3	The growth of non-colinear normal fault systems; What can we learn from 3D seismic reflection data?. <i>Journal of Structural Geology</i> , 2015, 70, 141-155.	2.3	72
4	Impact-Seismic Investigations of the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	48
5	How to build a continental scale fireball camera network. <i>Experimental Astronomy</i> , 2017, 43, 237-266.	3.7	46
6	Observation of metre-scale impactors by the Desert Fireball Network. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5166-5178.	4.4	35
7	The Dingle Dell meteorite: A Halloween treat from the Main Belt. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2212-2227.	1.6	31
8	A Global Fireball Observatory. <i>Planetary and Space Science</i> , 2020, 191, 105036.	1.7	31
9	The Tharsis mantle source of depleted shergottites revealed by 90 million impact craters. <i>Nature Communications</i> , 2021, 12, 6352.	12.8	31
10	A novel approach to fireball modeling: The observable and the calculated. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1423-1435.	1.6	30
11	Determining Fireball Fates Using the $\hat{v} \geq \hat{v}^2$ Criterion. <i>Astrophysical Journal</i> , 2019, 885, 115.	4.5	27
12	3D meteoroid trajectories. <i>Icarus</i> , 2019, 321, 388-406.	2.5	21
13	Submillisecond fireball timing using de Bruijn timecodes. <i>Meteoritics and Planetary Science</i> , 2017, 52, 1669-1682.	1.6	20
14	Comparing analytical and numerical approaches to meteoroid orbit determination using Hayabusa telemetry. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2149-2162.	1.6	15
15	ANALYZING METEOROID FLIGHTS USING PARTICLE FILTERS. <i>Astronomical Journal</i> , 2017, 153, 87.	4.7	10
16	Fireball streak detection with minimal CPU processing requirements for the Desert Fireball Network data processing pipeline. <i>Publications of the Astronomical Society of Australia</i> , 0, 37, .	3.4	10
17	Murrili meteorite's fall and recovery from Kati Thanda. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2157-2168.	1.6	10
18	Where Did They Come From, Where Did They Go: Grazing Fireballs. <i>Astronomical Journal</i> , 2020, 159, 191.	4.7	7

#	ARTICLE	IF	CITATIONS
19	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
20	Meteoroid Fragmentation in the Martian Atmosphere and the Formation of Crater Clusters. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	6
21	Identification of a Minimoon Fireball. Astronomical Journal, 2019, 158, 183.	4.7	5
22	Listening for the Landing: Seismic Detections of Perseverance's Arrival at Mars With InSight. Earth and Space Science, 2021, 8, e2020EA001585.	2.6	5
23	The Main Asteroid Belt: The Primary Source of Debris on Comet-like Orbits. Planetary Science Journal, 2021, 2, 98.	3.6	5
24	Taurid Stream #628: A Reservoir of Large Cometary Impactors. Planetary Science Journal, 2021, 2, 223.	3.6	5
25	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
26	Trajectory, recovery, and orbital history of the Madura Cave meteorite. Meteoritics and Planetary Science, 2022, 57, 1328-1338.	1.6	5
27	FILTERING METEOROID FLIGHTS USING MULTIPLE UNSCENTED KALMAN FILTERS. Astronomical Journal, 2016, 152, 148.	4.7	4
28	Machine learning for semi-automated meteorite recovery. Meteoritics and Planetary Science, 2020, 55, 2461-2471.	1.6	4
29	A Dynamic Trajectory Fit to Multisensor Fireball Observations. Astronomical Journal, 2020, 160, 190.	4.7	4
30	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
31	Arpu Kulpu: An H5 from the outer main belt. Meteoritics and Planetary Science, 2022, 57, 1146-1157.	1.6	4
32	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
33	Probing the history of ultra-high temperature metamorphism through rare earth element diffusion in zircon. Journal of Metamorphic Geology, 2022, 40, 329-357.	3.4	3
34	The proposed Silicate-Sulfuric Acid Process: Mineral processing for In Situ Resource Utilization (ISRU). Acta Astronautica, 2021, 188, 57-63.	3.2	3
35	Successful Recovery of an Observed Meteorite Fall Using Drones and Machine Learning. Astrophysical Journal Letters, 2022, 930, L25.	8.3	3
36	Using atmospheric impact data to model meteoroid close encounters. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5240-5250.	4.4	2

#	ARTICLE	IF	CITATIONS
37	Statistical analysis of fireballs: Seismic signature survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	2
38	Characterising fireballs for mass determination: Steps toward automating the Australian desert fireball network. , 2014, , .		1
39	Advanced digital fireball observatories: Enabling the expansion of the desert fireball network. , 2014, , .		0
40	The desert fireball network: A sensor network for meteorite tracking and recovery. , 2016, , .		0
41	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