Peter Jenniskens

List of Publications by Year in descending order

100 papers	4,180 citations	136950 32 h-index	128289 60 g-index
102 all docs	102 docs citations	102 times ranked	2799 citing authors

#	Article	IF	Citations
1	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	12.6	487
2	COMETARY ORIGIN OF THE ZODIACAL CLOUD AND CARBONACEOUS MICROMETEORITES. IMPLICATIONS FOR HOT DEBRIS DISKS. Astrophysical Journal, 2010, 713, 816-836.	4.5	422
3	The impact and recovery of asteroid 2008 TC3. Nature, 2009, 458, 485-488.	27.8	311
4	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
5	CAMS: Cameras for Allsky Meteor Surveillance to establish minor meteor showers. Icarus, 2011, 216, 40-61.	2.5	132
6	DYNAMICAL MODEL FOR THE ZODIACAL CLOUD AND SPORADIC METEORS. Astrophysical Journal, 2011, 743, 129.	4.5	129
7	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. Science, 2019, 366, .	12.6	129
8	The established meteor showers as observed by CAMS. Icarus, 2016, 266, 331-354.	2.5	93
9	Mineralogy and petrography of the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1618-1637.	1.6	74
10	The recovery of asteroid 2008 TC₃. Meteoritics and Planetary Science, 2010, 45, 1557-1589.	1.6	67
11	Thermal and fragmentation history of ureilitic asteroids: Insights from the Almahata Sitta fall. Meteoritics and Planetary Science, 2010, 45, 1789-1803.	1.6	60
12	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	1.6	59
13	CAMS newly detected meteor showers and the sporadic background. Icarus, 2016, 266, 384-409.	2.5	58
14	The amino acid composition of the Sutter's Mill <scp>CM</scp>2 carbonaceous chondrite. Meteoritics and Planetary Science, 2014, 49, 2074-2086.	1.6	57
15	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill <scp>CM</scp> meteorite. Meteoritics and Planetary Science, 2014, 49, 1997-2016.	1.6	57
16	Extraterrestrial amino acids in the Almahata Sitta meteorite. Meteoritics and Planetary Science, 2010, 45, 1695-1709.	1.6	50
17	Previously unknown class of metalorganic compounds revealed in meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2819-2824.	7.1	47
18	The Mbale meteorite shower. Meteoritics, 1994, 29, 246-254.	1.4	46

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19	Observations of the Stardust Sample Return Capsule Entry with a Slitless Echelle Spectrograph. Journal of Spacecraft and Rockets, 2010, 47, 718-735.	1.9	46
20	The chromium isotopic composition of Almahata Sitta. Meteoritics and Planetary Science, 2010, 45, 1771-1777.	1.6	44
21	Almahata Sitta (=asteroid 2008 TC₃) and the search for the ureilite parent body. Meteoritics and Planetary Science, 2010, 45, 1590-1617.	1.6	44
22	Meteoroid streams that trace to candidate dormant comets. Icarus, 2008, 194, 13-22.	2.5	42
23	Very precise orbits of 1998 Leonid meteors. Meteoritics and Planetary Science, 1999, 34, 979-986.	1.6	40
24	Cosmogenic nuclides in Almahata Sitta ureilites: Cosmicâ€ray exposure age, preatmospheric mass, and bulk density of asteroid 2008 TC₃. Meteoritics and Planetary Science, 2010, 45, 1728-1742.	1.6	38
25	Quantitative meteor spectroscopy: Elemental abundances. Advances in Space Research, 2007, 39, 491-512.	2.6	37
26	CAMS confirmation of previously reported meteor showers. Icarus, 2016, 266, 355-370.	2.5	37
27	Meteor outbursts from long-period comet dust trails. Icarus, 2003, 162, 443-452.	2.5	36
28	Records of the Moonâ€forming impact and the 470ÂMa disruption of the L chondrite parent body in the asteroid belt from Uâ€Pb apatite ages of Novato (L6). Meteoritics and Planetary Science, 2014, 49, 1426-1439.	1.6	36
29	Mostly Dormant Comets and their Disintegration into Meteoroid Streams: A Review. Earth, Moon and Planets, 2008, 102, 505-520.	0.6	35
30	The oxygen isotope composition of Almahata Sitta. Meteoritics and Planetary Science, 2010, 45, 1765-1770.	1.6	35
31	Detecting Earthâ€™s temporarily-captured natural satellitesâ€”Minimoons. Icarus, 2014, 241, 280-297.	2.5	35
32	Detection of meteoroid impacts by the Geostationary Lightning Mapper on the <scp>GOES</scp>â€16 satellite. Meteoritics and Planetary Science, 2018, 53, 2445-2469.	1.6	34
33	The Mass and Speed Dependence of Meteor Air Plasma Temperatures. Astrobiology, 2004, 4, 81-94.	3.0	33
34	The first samples from Almahata Sitta showing contacts between ureilitic and chondritic lithologies: Implications for the structure and composition of asteroid 2008 <scp>TC</scp>₃. Meteoritics and Planetary Science, 2019, 54, 2769-2813.	1.6	32
35	A Global Fireball Observatory. Planetary and Space Science, 2020, 191, 105036.	1.7	31
36	The Detection of a Dust Trail in the Orbit of an Earthâ€threatening Longâ€Period Comet. Astrophysical Journal, 1997, 479, 441-447.	4.5	30

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37	The SariÃ§iÃ§ek howardite fall in Turkey: Source crater of <scp>HED</scp> meteorites on Vesta and impact risk of Vestoids. Meteoritics and Planetary Science, 2019, 54, 953-1008.	1.6	30
38	Heterogeneous distributions of amino acids provide evidence of multiple sources within the Almahata Sitta parent body, asteroid 2008 TC₃. Meteoritics and Planetary Science, 2011, 46, 1703-1712.	1.6	28
39	Impact shock origin of diamonds in ureilite meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25310-25318.	7.1	28
40	MINOR PLANET 2002 EX₁₂(=169P/NEAT) AND THE ALPHA CAPRICORNID SHOWER. Astronomical Journal, 2010, 139, 1822-1830.	4.7	27
41	Inhomogeneity of asteroid 2008 TC₃ (Almahata Sitta meteorites) revealed through magnetic susceptibility measurements. Meteoritics and Planetary Science, 2010, 45, 1778-1788.	1.6	26
42	Meteor showers in review. Planetary and Space Science, 2017, 143, 116-124.	1.7	26
43	The orbit and dynamical evolution of the Chelyabinsk object. Meteoritics and Planetary Science, 2014, 49, 2169-2174.	1.6	24
44	Precisely reduced meteoroid trajectories and orbits from the 1995 Leonid meteor outburst. Planetary and Space Science, 1997, 45, 853-856.	1.7	22
45	MINOR PLANET 2008 ED69 AND THE KAPPA CYGNID METEOR SHOWER. Astronomical Journal, 2008, 136, 725-730.	4.7	22
46	Polycyclic aromatic hydrocarbons in asteroid 2008 TC₃: Dispersion of organic compounds inside asteroids. Meteoritics and Planetary Science, 2010, 45, 1710-1717.	1.6	22
47	CAMS verification of single-linked high-threshold D -criterion detected meteor showers. Icarus, 2016, 266, 371-383.	2.5	22
48	Variability of Chelyabinsk meteoroid stones studied by MÃ¶ssbauer spectroscopy and X-ray diffraction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 206-224.	3.9	22
49	A survey of southern hemisphere meteor showers. Planetary and Space Science, 2018, 154, 21-29.	1.7	21
50	The Creston, California, meteorite fall and the origin of L chondrites. Meteoritics and Planetary Science, 2019, 54, 699-720.	1.6	21
51	Tunguska eyewitness accounts, injuries, and casualties. Icarus, 2019, 327, 4-18.	2.5	21
52	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	1.6	21
53	Bidirectional visibleâ€NIR and biconical FTâ€IR reflectance spectra of Almahata Sitta meteorite samples. Meteoritics and Planetary Science, 2010, 45, 1836-1845.	1.6	20
54	The 2011 Draconids: The First European Airborne Meteor Observation Campaign. Earth, Moon and Planets, 2015, 114, 137-157.	0.6	20

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55	The impact trajectory of asteroid 2008ÂTC3. Icarus, 2017, 294, 218-226.	2.5	20
56	Activity of the 2013 Geminid meteoroid stream at the Moon. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4225-4231.	4.4	20
57	Study of injuries from the Chelyabinsk airburst event. Planetary and Space Science, 2018, 160, 107-114.	1.7	20
58	A noble gas and cosmogenic radionuclide analysis of two ordinary chondrites from Almahata Sitta. Meteoritics and Planetary Science, 2012, 47, 1075-1086.	1.6	18
59	Infrared imaging spectroscopy with micron resolution of Sutter's Mill meteorite grains. Meteoritics and Planetary Science, 2014, 49, 2027-2037.	1.6	18
60	Electron microscopy of pyroxene in the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1812-1820.	1.6	17
61	Noble gases and nitrogen in the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1751-1764.	1.6	16
62	The elemental composition of Almahata Sitta. Meteoritics and Planetary Science, 2010, 45, 1718-1727.	1.6	12
63	The IAU Meteor Shower Nomenclature Rules. Earth, Moon and Planets, 2008, 102, 5-9.	0.6	11
64	The midâ€infrared transmission spectra of multiple stones from the Almahata Sitta meteorite. Meteoritics and Planetary Science, 2010, 45, 1821-1835.	1.6	11
65	Evidence for 2009 WN 25 being the parent body of the November i-Draconids (NID). Icarus, 2016, 267, 64-67.	2.5	11
66	On removing showers from the IAU Working List of Meteor Showers. Planetary and Space Science, 2020, 182, 104821.	1.7	11
67	A comparative study of radar and optical observations of meteor showers using SAAMER-OS and CAMS. Planetary and Space Science, 2020, 188, 104936.	1.7	11
68	Chromium Isotopic Evidence for Mixing of NC and CC Reservoirs in Polymict Ureilites: Implications for Dynamical Models of the Early Solar System. Planetary Science Journal, 2021, 2, 13.	3.6	11
69	First 0.96â€“1.46 micron near-IR spectra of meteors. Advances in Space Research, 2007, 39, 544-549.	2.6	10
70	Spectroscopic Observations of the 2011 Draconids Meteor Shower. Earth, Moon and Planets, 2014, 112, 45-57.	0.6	10
71	Isotopic composition of carbon and nitrogen in ureilitic fragments of the Almahata Sitta meteorite. Meteoritics and Planetary Science, 2015, 50, 255-272.	1.6	10
72	Orbit and origin of the <scp>LL</scp>7 chondrite Dishchii'bikoh (Arizona). Meteoritics and Planetary Science, 2020, 55, 535-557.	1.6	10

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73	Presolar grains in the <scp>CM</scp>2 chondrite Sutter's Mill. Meteoritics and Planetary Science, 2014, 49, 2038-2046.	1.6	9
74	Diamond xenolith and matrix organic matter in the Sutter's Mill meteorite measured by Câ€<scp>XANES</scp>. Meteoritics and Planetary Science, 2014, 49, 2095-2103.	1.6	9
75	Thermophysical properties of Almahata Sitta meteorites (asteroid 2008 <scp>TC</scp>₃) for highâ€fidelity entry modeling. Meteoritics and Planetary Science, 2017, 52, 197-205.	1.6	9
76	The CM carbonaceous chondrite regolith Diepenveen. Meteoritics and Planetary Science, 2019, 54, 1431-1461.	1.6	9
77	The interior and the fusion crust in SariÃ§iÃ§ek howardite: Study using X-ray diffraction, magnetization measurements and MÃ¶ssbauer spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117819.	3.9	9
78	Feâ€bearing phases in a ureilite fragment from the asteroid 2008 <scp>TC</scp>₃ (=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Meteoritics and Planetary Science, 2014, 49, 1485-1493.	1.6	8
79	Graphite-Based Geothermometry on Almahata Sitta Ureilitic Meteorites. Minerals (Basel, Switzerland), 2020, 10, 1005.	2.0	8
80	Extension of the plasma radiation database PARADE for the analysis of meteor spectra. Meteoritics and Planetary Science, 2021, 56, 352-361.	1.6	8
81	Detection of Cosmic Fullerenes in the Almahata Sitta Meteorite: Are They an Interstellar Heritage?. Astrophysical Journal, 2022, 931, 91.	4.5	7
82	Meteor showers from known long-period comets. Icarus, 2021, 365, 114469.	2.5	6
83	Review of asteroid-family and meteorite-type links. Proceedings of the International Astronomical Union, 2018, 14, 9-12.	0.0	5
84	Organic matter in carbonaceous chondrite lithologies of Almahata Sitta: Incorporation of previously unsampled carbonaceous chondrite lithologies into ureilitic regolith. Meteoritics and Planetary Science, 2021, 56, 1311-1327.	1.6	5
85	Taurid Stream #628: A Reservoir of Large Cometary Impactors. Planetary Science Journal, 2021, 2, 223.	3.6	5
86	Spectroscopic anatomy of a meteor with the very large telescope (ESO). Advances in Space Research, 2007, 39, 550-554.	2.6	4
87	Cosmogenic radioisotopes in the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1743-1750.	1.6	4
88	Magnetism and mineralogy of Almahata Sitta polymict ureilite (= asteroid 2008 TC₃): Implications for the ureilite parent body magnetic field. Meteoritics and Planetary Science, 2011, 46, 1551-1564.	1.6	4
89	SHEPHERD: A Concept for Gentle Asteroid Retrieval with a Gas-Filled Enclosure. New Space, 2015, 3, 36-43.	0.8	4
90	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. Meteoritics and Planetary Science, 2020, 55, 2341-2359.	1.6	4

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91	The unusually frail asteroid 2008 TC3. Proceedings of the International Astronomical Union, 2009, 5, 227-230.	0.0	2
92	2019 outburst of 15-Bootids (IAU#923, FBO) and search strategy to find the potentially hazardous comet. Planetary and Space Science, 2020, 181, 104829.	1.7	2
93	An outburst of delta Pavonids and the orbit of parent comet C/1907 G1 (Grigg-Mellish). Planetary and Space Science, 2020, 189, 104979.	1.7	2
94	Recovery of meteorites using an autonomous drone and machine learning. Meteoritics and Planetary Science, 2021, 56, 1073-1085.	1.6	2
95	DIVISION F COMMISSION 22: METEORS, METEORITES, AND INTERPLANETARY DUST. Proceedings of the International Astronomical Union, 2015, 11, 365-379.	0.0	1
96	Meteorites found on Misfits Flat dry lake, Nevada. Meteoritics and Planetary Science, 2016, 51, 757-772.	1.6	1
97	Earliest evidence of a death and injury by a meteorite. Meteoritics and Planetary Science, 2020, 55, 886-894.	1.6	1
98	Meteor Showers: which ones are real and where do they come from?. Proceedings of the International Astronomical Union, 2012, 10, 142-142.	0.0	0
99	Active Asteroids in the NEO Population. Proceedings of the International Astronomical Union, 2015, 10, 91-98.	0.0	0
100	Observation of Cassiniâ€™s Entry into Saturn: No Detection, and Lessons Learned. Research Notes of the AAS, 2021, 5, 133.	0.7	0