

Peter Jenniskens

List of Publications by Year in descending order

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Version: 2024-02-01

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	Detection of Cosmic Fullerenes in the Almahata Sitta Meteorite: Are They an Interstellar Heritage?. <i>Astrophysical Journal</i> , 2022, 931, 91.	4.5	7
2	Chromium Isotopic Evidence for Mixing of NC and CC Reservoirs in Polymict Ureilites: Implications for Dynamical Models of the Early Solar System. <i>Planetary Science Journal</i> , 2021, 2, 13.	3.6	11
3	Extension of the plasma radiation database PARADE for the analysis of meteor spectra. <i>Meteoritics and Planetary Science</i> , 2021, 56, 352-361.	1.6	8
4	The impact and recovery of asteroid 2018 LA. <i>Meteoritics and Planetary Science</i> , 2021, 56, 844-893.	1.6	21
5	Recovery of meteorites using an autonomous drone and machine learning. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1073-1085.	1.6	2
6	Observation of Cassini's Entry into Saturn: No Detection, and Lessons Learned. <i>Research Notes of the AAS</i> , 2021, 5, 133.	0.7	0
7	Organic matter in carbonaceous chondrite lithologies of Almahata Sitta: Incorporation of previously unsampled carbonaceous chondrite lithologies into ureilitic regolith. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1311-1327.	1.6	5
8	Meteor showers from known long-period comets. <i>Icarus</i> , 2021, 365, 114469.	2.5	6
9	Taurid Stream #628: A Reservoir of Large Cometary Impactors. <i>Planetary Science Journal</i> , 2021, 2, 223.	3.6	5
10	On removing showers from the IAU Working List of Meteor Showers. <i>Planetary and Space Science</i> , 2020, 182, 104821.	1.7	11
11	The interior and the fusion crust in Sariġšek howardite: Study using X-ray diffraction, magnetization measurements and Mössbauer spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117819.	3.9	9
12	2019 outburst of 15-Bootids (IAU#923, FBO) and search strategy to find the potentially hazardous comet. <i>Planetary and Space Science</i> , 2020, 181, 104829.	1.7	2
13	Impact shock origin of diamonds in ureilite meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25310-25318.	7.1	28
14	Graphite-Based Geothermometry on Almahata Sitta Ureilitic Meteorites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1005.	2.0	8
15	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2341-2359.	1.6	4
16	A Global Fireball Observatory. <i>Planetary and Space Science</i> , 2020, 191, 105036.	1.7	31
17	A comparative study of radar and optical observations of meteor showers using SAAMER-OS and CAMS. <i>Planetary and Space Science</i> , 2020, 188, 104936.	1.7	11
18	An outburst of delta Pavonids and the orbit of parent comet C/1907 G1 (Grigg-Mellish). <i>Planetary and Space Science</i> , 2020, 189, 104979.	1.7	2

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19	Orbit and origin of the LL7 chondrite Dishchii' bikoh (Arizona). <i>Meteoritics and Planetary Science</i> , 2020, 55, 535-557.	1.6	10
20	Earliest evidence of a death and injury by a meteorite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 886-894.	1.6	1
21	The first samples from Almahata Sitta showing contacts between ureilitic and chondritic lithologies: Implications for the structure and composition of asteroid 2008 TC ₃ . <i>Meteoritics and Planetary Science</i> , 2019, 54, 2769-2813.	1.6	32
22	The Creston, California, meteorite fall and the origin of L chondrites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 699-720.	1.6	21
23	The CM carbonaceous chondrite regolith Diepenveen. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1431-1461.	1.6	9
24	Variability of Chelyabinsk meteoroid stones studied by Mössbauer spectroscopy and X-ray diffraction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 206-224.	3.9	22
25	The SariÅsiÅsek howardite fall in Turkey: Source crater of HED meteorites on Vesta and impact risk of Vestoids. <i>Meteoritics and Planetary Science</i> , 2019, 54, 953-1008.	1.6	30
26	Episodes of particle ejection from the surface of the active asteroid (101955) Bennu. <i>Science</i> , 2019, 366, .	12.6	129
27	Tunguska eyewitness accounts, injuries, and casualties. <i>Icarus</i> , 2019, 327, 4-18.	2.5	21
28	Activity of the 2013 Geminid meteoroid stream at the Moon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4225-4231.	4.4	20
29	A survey of southern hemisphere meteor showers. <i>Planetary and Space Science</i> , 2018, 154, 21-29.	1.7	21
30	Study of injuries from the Chelyabinsk airburst event. <i>Planetary and Space Science</i> , 2018, 160, 107-114.	1.7	20
31	Review of asteroid-family and meteorite-type links. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 9-12.	0.0	5
32	Detection of meteoroid impacts by the Geostationary Lightning Mapper on the GOES-16 satellite. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2445-2469.	1.6	34
33	Meteor showers in review. <i>Planetary and Space Science</i> , 2017, 143, 116-124.	1.7	26
34	Previously unknown class of metalorganic compounds revealed in meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2819-2824.	7.1	47
35	The impact trajectory of asteroid 2008ATC3. <i>Icarus</i> , 2017, 294, 218-226.	2.5	20
36	Thermophysical properties of Almahata Sitta meteorites (asteroid 2008 TC ₃) for high-fidelity entry modeling. <i>Meteoritics and Planetary Science</i> , 2017, 52, 197-205.	1.6	9

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37	Evidence for 2009 WN 25 being the parent body of the November i-Draconids (NID). <i>Icarus</i> , 2016, 267, 64-67.	2.5	11
38	Meteorites found on Misfits Flat dry lake, Nevada. <i>Meteoritics and Planetary Science</i> , 2016, 51, 757-772.	1.6	1
39	CAMS confirmation of previously reported meteor showers. <i>Icarus</i> , 2016, 266, 355-370.	2.5	37
40	The established meteor showers as observed by CAMS. <i>Icarus</i> , 2016, 266, 331-354.	2.5	93
41	CAMS verification of single-linked high-threshold D -criterion detected meteor showers. <i>Icarus</i> , 2016, 266, 371-383.	2.5	22
42	CAMS newly detected meteor showers and the sporadic background. <i>Icarus</i> , 2016, 266, 384-409.	2.5	58
43	Active Asteroids in the NEO Population. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 91-98.	0.0	0
44	SHEPHERD: A Concept for Gentle Asteroid Retrieval with a Gas-Filled Enclosure. <i>New Space</i> , 2015, 3, 36-43.	0.8	4
45	DIVISION F COMMISSION 22: METEORS, METEORITES, AND INTERPLANETARY DUST. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 365-379.	0.0	1
46	Isotopic composition of carbon and nitrogen in ureilitic fragments of the Almahata Sitta meteorite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 255-272.	1.6	10
47	The 2011 Draconids: The First European Airborne Meteor Observation Campaign. <i>Earth, Moon and Planets</i> , 2015, 114, 137-157.	0.6	20
48	Fe-bearing phases in a ureilite fragment from the asteroid 2008 TC ₃ (= Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Meteoritics and Planetary Science, 2014, 49, 1485-1493.	1.6	8
49	Presolar grains in the CM ₂ chondrite Sutter's Mill. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2038-2046.	1.6	9
50	The amino acid composition of the Sutter's Mill CM ₂ carbonaceous chondrite. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2074-2086.	1.6	57
51	Diamond xenolith and matrix organic matter in the Sutter's Mill meteorite measured by Ca XANES. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2095-2103.	1.6	9
52	Infrared imaging spectroscopy with micron resolution of Sutter's Mill meteorite grains. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2027-2037.	1.6	18
53	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill CM meteorite. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1997-2016.	1.6	57
54	Records of the Moon-forming impact and the 4700 Ma disruption of the L chondrite parent body in the asteroid belt from U-Pb apatite ages of Novato (L6). <i>Meteoritics and Planetary Science</i> , 2014, 49, 1426-1439.	1.6	36

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55	The orbit and dynamical evolution of the Chelyabinsk object. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2169-2174.	1.6	24
56	Detecting Earth's temporarily-captured natural satellites—Minimoons. <i>Icarus</i> , 2014, 241, 280-297.	2.5	35
57	Spectroscopic Observations of the 2011 Draconids Meteor Shower. <i>Earth, Moon and Planets</i> , 2014, 112, 45-57.	0.6	10
58	Fall, recovery, and characterization of the Novato L6 chondrite breccia. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1388-1425.	1.6	59
59	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. <i>Science</i> , 2013, 342, 1069-1073.	12.6	487
60	Meteor Showers: which ones are real and where do they come from?. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 142-142.	0.0	0
61	Radar-Enabled Recovery of the Sutter's Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	12.6	191
62	A noble gas and cosmogenic radionuclide analysis of two ordinary chondrites from Almahata Sitta. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1075-1086.	1.6	18
63	Magnetism and mineralogy of Almahata Sitta polymict ureilite (= asteroid 2008 TC ₃): Implications for the ureilite parent body magnetic field. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1551-1564.	1.6	4
64	Heterogeneous distributions of amino acids provide evidence of multiple sources within the Almahata Sitta parent body, asteroid 2008 TC ₃ . <i>Meteoritics and Planetary Science</i> , 2011, 46, 1703-1712.	1.6	28
65	DYNAMICAL MODEL FOR THE ZODIACAL CLOUD AND SPORADIC METEORS. <i>Astrophysical Journal</i> , 2011, 743, 129.	4.5	129
66	CAMS: Cameras for Allsky Meteor Surveillance to establish minor meteor showers. <i>Icarus</i> , 2011, 216, 40-61.	2.5	132
67	COMETARY ORIGIN OF THE ZODIACAL CLOUD AND CARBONACEOUS MICROMETEORITES. IMPLICATIONS FOR HOT DEBRIS DISKS. <i>Astrophysical Journal</i> , 2010, 713, 816-836.	4.5	422
68	Polycyclic aromatic hydrocarbons in asteroid 2008 TC ₃ : Dispersion of organic compounds inside asteroids. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1710-1717.	1.6	22
69	MINOR PLANET 2002 EX ₁₂ (=169P/NEAT) AND THE ALPHA CAPRICORNID SHOWER. <i>Astronomical Journal</i> , 2010, 139, 1822-1830.	4.7	27
70	Observations of the Stardust Sample Return Capsule Entry with a Slitless Echelle Spectrograph. <i>Journal of Spacecraft and Rockets</i> , 2010, 47, 718-735.	1.9	46
71	The mid-infrared transmission spectra of multiple stones from the Almahata Sitta meteorite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1821-1835.	1.6	11
72	Extraterrestrial amino acids in the Almahata Sitta meteorite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1695-1709.	1.6	50

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73	Noble gases and nitrogen in the Almahata Sitta ureilite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1751-1764.	1.6	16
74	Bidirectional visible-NIR and biconical FT-IR reflectance spectra of Almahata Sitta meteorite samples. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1836-1845.	1.6	20
75	The oxygen isotope composition of Almahata Sitta. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1765-1770.	1.6	35
76	The elemental composition of Almahata Sitta. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1718-1727.	1.6	12
77	Cosmogenic nuclides in Almahata Sitta ureilites: Cosmic-ray exposure age, preatmospheric mass, and bulk density of asteroid 2008 TC ₃ . <i>Meteoritics and Planetary Science</i> , 2010, 45, 1728-1742.	1.6	38
78	The chromium isotopic composition of Almahata Sitta. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1771-1777.	1.6	44
79	Inhomogeneity of asteroid 2008 TC ₃ (Almahata Sitta meteorites) revealed through magnetic susceptibility measurements. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1778-1788.	1.6	26
80	Electron microscopy of pyroxene in the Almahata Sitta ureilite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1812-1820.	1.6	17
81	The recovery of asteroid 2008 TC ₃ . <i>Meteoritics and Planetary Science</i> , 2010, 45, 1557-1589.	1.6	67
82	Mineralogy and petrography of the Almahata Sitta ureilite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1618-1637.	1.6	74
83	Cosmogenic radioisotopes in the Almahata Sitta ureilite. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1743-1750.	1.6	4
84	Thermal and fragmentation history of ureilitic asteroids: Insights from the Almahata Sitta fall. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1789-1803.	1.6	60
85	Almahata Sitta (=asteroid 2008 TC ₃) and the search for the ureilite parent body. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1590-1617.	1.6	44
86	The impact and recovery of asteroid 2008 TC ₃ . <i>Nature</i> , 2009, 458, 485-488.	27.8	311
87	The unusually frail asteroid 2008 TC ₃ . <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 227-230.	0.0	2
88	Meteoroid streams that trace to candidate dormant comets. <i>Icarus</i> , 2008, 194, 13-22.	2.5	42
89	The IAU Meteor Shower Nomenclature Rules. <i>Earth, Moon and Planets</i> , 2008, 102, 5-9.	0.6	11
90	Mostly Dormant Comets and their Disintegration into Meteoroid Streams: A Review. <i>Earth, Moon and Planets</i> , 2008, 102, 505-520.	0.6	35

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91	MINOR PLANET 2008 ED69 AND THE KAPPA CYGNID METEOR SHOWER. <i>Astronomical Journal</i> , 2008, 136, 725-730.	4.7	22
92	First 0.96–1.46 micron near-IR spectra of meteors. <i>Advances in Space Research</i> , 2007, 39, 544-549.	2.6	10
93	Spectroscopic anatomy of a meteor with the very large telescope (ESO). <i>Advances in Space Research</i> , 2007, 39, 550-554.	2.6	4
94	Quantitative meteor spectroscopy: Elemental abundances. <i>Advances in Space Research</i> , 2007, 39, 491-512.	2.6	37
95	The Mass and Speed Dependence of Meteor Air Plasma Temperatures. <i>Astrobiology</i> , 2004, 4, 81-94.	3.0	33
96	Meteor outbursts from long-period comet dust trails. <i>Icarus</i> , 2003, 162, 443-452.	2.5	36
97	Very precise orbits of 1998 Leonid meteors. <i>Meteoritics and Planetary Science</i> , 1999, 34, 979-986.	1.6	40
98	The Detection of a Dust Trail in the Orbit of an Earth-threatening Long-Period Comet. <i>Astrophysical Journal</i> , 1997, 479, 441-447.	4.5	30
99	Precisely reduced meteoroid trajectories and orbits from the 1995 Leonid meteor outburst. <i>Planetary and Space Science</i> , 1997, 45, 853-856.	1.7	22
100	The Mbale meteorite shower. <i>Meteoritics</i> , 1994, 29, 246-254.	1.4	46