

Zuzana Kaňuchová

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

642
citations

623734

14
h-index

610901

24
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45
all docs

45
docs citations

45
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid-IR and VUV spectroscopic characterisation of thermally processed and electron irradiated CO ₂ astrophysical ice analogues. <i>Journal of Molecular Spectroscopy</i> , 2022, 385, 111599.	1.2	9
2	Comparative electron irradiations of amorphous and crystalline astrophysical ice analogues. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10974-10984.	2.8	7
3	Laboratory experiments on the radiation astrochemistry of water ice phases. <i>European Physical Journal D</i> , 2022, 76, .	1.3	8
4	Sulfur Ice Astrochemistry: A Review of Laboratory Studies. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	22
5	Vacuum ultraviolet photoabsorption spectroscopy of space-related ices: formation and destruction of solid carbonic acid upon 1 keV electron irradiation. <i>Astronomy and Astrophysics</i> , 2021, 646, A172.	5.1	14
6	Electron irradiation and thermal chemistry studies of interstellar and planetary ice analogues at the ICA astrochemistry facility. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	21
7	The Ice Chamber for Astrophysics' Astrochemistry (ICA): A new experimental facility for ion impact studies of astrophysical ice analogs. <i>Review of Scientific Instruments</i> , 2021, 92, 084501.	1.3	15
8	Vacuum ultraviolet photoabsorption spectroscopy of space-related ices: 1 keV electron irradiation of nitrogen- and oxygen-rich ices. <i>Astronomy and Astrophysics</i> , 2020, 641, A154.	5.1	11
9	Systematic Study on the Absorption Features of Interstellar Ices in the Presence of Impurities. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 920-946.	2.7	6
10	Leonids in the IAU MDC database. <i>Planetary and Space Science</i> , 2018, 160, 115-119.	1.7	0
11	Statistical analysis of the spectral properties of V-type asteroids: A review on what we known and what is still missing. <i>Planetary and Space Science</i> , 2018, 164, 37-43.	1.7	7
12	IAU Meteor Data Center' the shower database: A status report. <i>Planetary and Space Science</i> , 2017, 143, 3-6.	1.7	35
13	Accretional and alterational differences in a carbonaceous chondrite parent body: Evidence from the <sc>NWA</sc> 5491 <sc>CV</sc>3 meteorite. <i>Meteoritics and Planetary Science</i> , 2017, 52, 428-442.	1.6	0
14	Thermal and energetic processing of astrophysical ice analogues rich in SO ₂ . <i>Astronomy and Astrophysics</i> , 2017, 604, A68.	5.1	27
15	Infrared study on the thermal evolution of solid state formamide. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21759-21768.	2.8	18
16	Orionids and Eta Aquariids in the IAU MDC database. <i>Planetary and Space Science</i> , 2017, 143, 138-141.	1.7	2
17	Synthesis of formamide and isocyanic acid after ion irradiation of frozen gas mixtures. <i>Astronomy and Astrophysics</i> , 2016, 585, A155.	5.1	39
18	Proton Gradients as a Key Physical Factor in the Evolution of the Forced Transport Mechanism Across the Lipid Membrane. <i>Origins of Life and Evolution of Biospheres</i> , 2016, 46, 523-531.	1.9	3

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19	Ion processing of ices and the origin of SO ₂ and O ₃ on the icy surfaces of the icy jovian satellites. <i>Icarus</i> , 2016, 277, 424-432.	2.5	17
20	Spectral characterization of V-type asteroids â€“ I. Space weathering effects and implications for V-type NEAs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 584-595.	4.4	15
21	Short-term variability on the surface of (1) Ceres. <i>Astronomy and Astrophysics</i> , 2015, 575, L1.	5.1	15
22	The role of energetic processing on solid-phase chemistry in star forming regions. <i>EAS Publications Series</i> , 2015, 75-76, 309-314.	0.3	0
23	A new study of an old sink of sulphur in hot molecular cores: the sulphur residue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1256-1267.	4.4	67
24	A global response roadmap to the asteroid impact threat: The NEOShield perspective. <i>Planetary and Space Science</i> , 2015, 118, 311-317.	1.7	7
25	Near-ultraviolet bluing after space weathering of silicates and meteorites. <i>Icarus</i> , 2015, 258, 289-296.	2.5	8
26	Space weathering and the colorâ€“color diagram of Plutinos and Jupiter Trojans. <i>Icarus</i> , 2015, 248, 222-229.	2.5	2
27	The triple near-Earth asteroid (153591) 2001 SN263: an ultra-blue, primitive target for the Aster space mission. <i>Astronomy and Astrophysics</i> , 2014, 568, L6.	5.1	12
28	Complementary and Emerging Techniques for Astrophysical Ices Processed in the Laboratory. <i>Space Science Reviews</i> , 2013, 180, 101-175.	8.1	68
29	The meteor-shower complex of 96P/Machholz revisited. <i>Astronomy and Astrophysics</i> , 2013, 551, A87.	5.1	28
30	Space weathering and the color indexes of minor bodies in the outer Solar System. <i>Icarus</i> , 2012, 221, 12-19.	2.5	23
31	The influence of temperature on the synthesis of molecules on icy grain mantles in dense molecular clouds. <i>Astronomy and Astrophysics</i> , 2011, 528, A118.	5.1	14
32	Absolute photometry of small main-belt asteroids in 2007â€“2009. <i>Planetary and Space Science</i> , 2011, 59, 1482-1489.	1.7	1
33	Cosmic ion induced chemistry in ices. <i>Rendiconti Lincei</i> , 2011, 22, 145-152.	2.2	5
34	Space weathering of asteroidal surfaces. <i>Astronomy and Astrophysics</i> , 2010, 517, A60.	5.1	16
35	The fate of S-bearing species after ion irradiation of interstellar icy grain mantles. <i>Astronomy and Astrophysics</i> , 2010, 509, A67.	5.1	68
36	A New Bolide Station at the High Tatra Mountains. <i>Earth, Moon and Planets</i> , 2008, 102, 253-256.	0.6	1

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37	The parent bodies of the Quadrantid meteoroid stream. <i>Astronomy and Astrophysics</i> , 2007, 470, 1123-1136.	5.1	23
38	A New Bolide Station at the High Tatra Mountains. , 2007, , 253-256.		0
39	Filaments within the Perseid meteoroid stream and their coincidence with the location of mean-motion resonances. <i>Icarus</i> , 2006, 183, 115-121.	2.5	5
40	A Fine Structure of the Perseid Meteoroid Stream. <i>Earth, Moon and Planets</i> , 2006, 95, 69-74.	0.6	1