Maciej Sznajder

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7141489/publications.pdf

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21	239	1040056 9	1058476 14
papers	citations	h-index	g-index

22	22	22	222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solar sail propulsion limitations due to hydrogen blistering. Advances in Space Research, 2021, 67, 2655-2668.	2.6	5
2	Efficient Thin Polymer Coating as a Selective Thermal Emitter for Passive Daytime Radiative Cooling. ACS Applied Materials & Interfaces, 2021, 13, 24130-24137.	8.0	34
3	Paths not taken â€“ The Gossamer roadmapâ€™s other options. Advances in Space Research, 2021, 67, 2912-2956.	2.6	2
4	Concept for a Gossamer solar power array using thin-film photovoltaics. CEAS Space Journal, 2020, 12, 125-135.	2.3	11
5	Analytical view factor solutions of a spherical cap from an infinitesimal surface. International Journal of Heat and Mass Transfer, 2020, 163, 120477.	4.8	6
6	Heating of the real polar cap of radio pulsars. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3770-3777.	4.4	11
7	Thermo-Optical Property Degradation of ITO-Coated Aluminized Polyimide Thin Films Under VUV and Low-Energy Proton Radiation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4922-4929.	2.2	2
8	Enhancing passive radiative cooling properties of flexible CIGS solar cells for space applications using single layer silicon oxycarbonitride films. Solar Energy Materials and Solar Cells, 2020, 209, 110456.	6.2	28
9	Membrane Deployment Technology Development at DLR for Solar Sails and Large-Scale Photovoltaics. , 2019, , .		12
10	GoSolAr â€“ A Gossamer Solar Array Concept for High Power Spacecraft Applications using flexible Photovoltaics. , 2019, , .		8
11	Proton Induced Single Event Effect Characterization on a Highly Integrated RF-Transceiver. Electronics (Switzerland), 2019, 8, 519.	3.1	9
12	Assessment of protective coatings on flexible CIGS modules for satellites. , 2019, , .		1
13	A material experiment for small satellites to characterise the behaviour of carbon nanotubes in space â€“ development and ground validation. Advances in Space Research, 2019, 63, 2312-2321.	2.6	4
14	Capabilities of Gossamer-1 derived small spacecraft solar sails carrying Mascot-derived nanolanders for in-situ surveying of NEAs. Acta Astronautica, 2019, 156, 330-362.	3.2	14
15	Hydrogen blistering under extreme radiation conditions. Npj Materials Degradation, 2018, 2, .	5.8	16
16	Total Ionizing Dose Effects on a Highly Integrated RF Transceiver for Small Satellite Radio Applications in Low Earth Orbit. , 2018, , .		11
17	Degradation of metallic surfaces under space conditions, with particular emphasis on Hydrogen recombination processes. Advances in Space Research, 2015, 56, 71-84.	2.6	21
18	The Complex Irradiation Facility at DLR-Bremen. , 2014, , 541-557.		6

#	Article	IF	Citations
19	Design and performance of a vacuum-UV simulator for material testing under space conditions. Advances in Space Research, 2013, 52, 1993-2005.	2.6	12
20	TIME EVOLUTION OF THE THREE-DIMENSIONAL ACCRETION FLOWS: EFFECTS OF THE ADIABATIC INDEX AND OUTER BOUNDARY CONDITION. Astrophysical Journal, 2009, 705, 1503-1521.	4.5	20
21	Surface Modification of Space Exposed Materials Induced by Low Energetic Proton Irradiation. Journal of the Astronautical Sciences, 0, , 1.	1.5	1