

Maciej Sznajder

List of Publications by Year in descending order

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21
papers

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citations

1040056

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h-index

1058476

14
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22
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docs citations

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times ranked

222
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Hydrogen blistering under extreme radiation conditions. Npj Materials Degradation, 2018, 2, . | 5.8 | 16 |
| 6 | Capabilities of Gossamer-1 derived small spacecraft solar sails carrying Mascot-derived nanolandars for in-situ surveying of NEAs. Acta Astronautica, 2019, 156, 330-362. | 3.2 | 14 |
| 7 | 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 |
| 8 | Membrane Deployment Technology Development at DLR for Solar Sails and Large-Scale Photovoltaics. , 2019, , . | | 12 |
| 9 | Total Ionizing Dose Effects on a Highly Integrated RF Transceiver for Small Satellite Radio Applications in Low Earth Orbit. , 2018, , . | | 11 |
| 10 | Concept for a Gossamer solar power array using thin-film photovoltaics. CEAS Space Journal, 2020, 12, 125-135. | 2.3 | 11 |
| 11 | Heating of the real polar cap of radio pulsars. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3770-3777. | 4.4 | 11 |
| 12 | Proton Induced Single Event Effect Characterization on a Highly Integrated RF-Transceiver. Electronics (Switzerland), 2019, 8, 519. | 3.1 | 9 |
| 13 | GoSolAr â€œ A Gossamer Solar Array Concept for High Power Spacecraft Applications using flexible Photovoltaics. , 2019, , . | | 8 |
| 14 | 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 |
| 15 | The Complex Irradiation Facility at DLR-Bremen. , 2014, , 541-557. | | 6 |
| 16 | Solar sail propulsion limitations due to hydrogen blistering. Advances in Space Research, 2021, 67, 2655-2668. | 2.6 | 5 |
| 17 | A material experiment for small satellites to characterise the behaviour of carbon nanotubes in space â€œ development and ground validation. Advances in Space Research, 2019, 63, 2312-2321. | 2.6 | 4 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Paths not taken – The Gossamer roadmap’s other options. <i>Advances in Space Research</i> , 2021, 67, 2912-2956. | 2.6 | 2 |
| 20 | Assessment of protective coatings on flexible CIGS modules for satellites. , 2019, , . | | 1 |
| 21 | Surface Modification of Space Exposed Materials Induced by Low Energetic Proton Irradiation. <i>Journal of the Astronautical Sciences</i> , 0, , 1. | 1.5 | 1 |