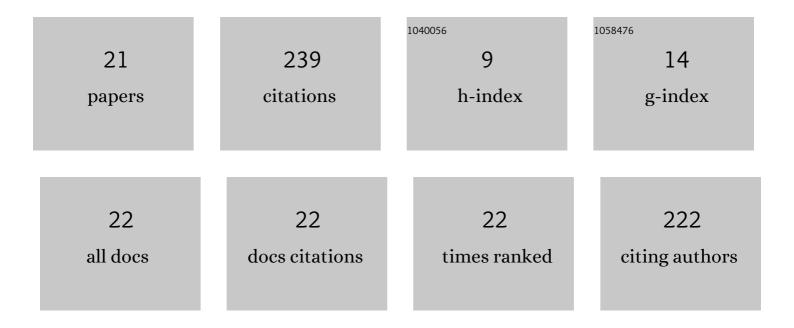
## Maciej Sznajder

List of Publications by Year in descending order

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| #  | 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.<br>ACS Applied Materials & Interfaces, 2021, 13, 24130-24137.   | 8.0 | 34        |
| 3  | Paths not taken – The Gossamer roadmap'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<br>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<br>using single layer silicon oxycarbonitride films. Solar Energy Materials and Solar Cells, 2020, 209,<br>110456.                    | 6.2 | 28        |
| 9  | Membrane Deployment Technology Development at DLR for Solar Sails and Large-Scale Photovoltaics. , 2019, , .   |     | 12        |
| 10 | GoSolAr – A Gossamer Solar Array Concept for High Power Spacecraft Applications using flexible<br>Photovoltaics. , 2019, , .   |     | 8         |
| 11 | Proton Induced Single Event Effect Characterization on a Highly Integrated RF-Transceiver.<br>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<br>– 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.

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Design and performance of a vacuum-UV simulator for material testing under space conditions.<br>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.<br>Journal of the Astronautical Sciences, 0, , 1.                     | 1.5 | 1         |