

Joseph Schwan

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

362
citations

1163117

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1125743

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13
all docs

13
docs citations

13
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled growth of silicon particles via plasma pulsing and their application as battery material. Journal Physics D: Applied Physics, 2022, 55, 094002.	2.8	7
2	Interaction Between a Low-Temperature Plasma and Graphene: An <i>in situ</i> Raman Thermometry Study. Physical Review Applied, 2021, 15, .	3.8	3
3	Air-Stable Silicon Nanocrystal-Based Photon Upconversion. Advanced Optical Materials, 2021, 9, 2100453.	7.3	11
4	Tuning the reactivity and energy release rate of I2O5 based ternary thermite systems. Combustion and Flame, 2021, 228, 210-217.	5.2	23
5	Efficient facemask decontamination via forced ozone convection. Scientific Reports, 2021, 11, 12263.	3.3	7
6	Bidirectional triplet exciton transfer between silicon nanocrystals and perylene. Chemical Science, 2021, 12, 6737-6746.	7.4	19
7	Critical barriers to the large scale commercialization of silicon-containing batteries. Nanoscale Advances, 2020, 2, 4368-4389.	4.6	18
8	Low temperature radical initiated hydrosilylation of silicon quantum dots. Faraday Discussions, 2020, 222, 190-200.	3.2	3
9	Silicon-Core-Carbon-Shell Nanoparticles for Lithium-Ion Batteries: Rational Comparison between Amorphous and Graphitic Carbon Coatings. Nano Letters, 2019, 19, 7236-7245.	9.1	75
10	Laboratory Investigation of Rate of Electrostatic Dust Lofting Over Time on Airless Planetary Bodies. Geophysical Research Letters, 2018, 45, 13,206.	4.0	17
11	Experimental Methods of Dust Charging and Mobilization on Surfaces with Exposure to Ultraviolet Radiation or Plasmas. Journal of Visualized Experiments, 2018, , .	0.3	2
12	The charge state of electrostatically transported dust on regolith surfaces. Geophysical Research Letters, 2017, 44, 3059-3065.	4.0	47
13	Dust charging and transport on airless planetary bodies. Geophysical Research Letters, 2016, 43, 6103-6110.	4.0	130