Joseph Schwan

List of Publications by Year
in descending order

13	362	1163117 8	1125743 13
papers	citations	h-index	g-index

13	13	13	447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dust charging and transport on airless planetary bodies. Geophysical Research Letters, 2016, 43, 6103-6110.	4.0	130
2	Silicon-Coreâ€“Carbon-Shell Nanoparticles for Lithium-Ion Batteries: Rational Comparison between Amorphous and Graphitic Carbon Coatings. Nano Letters, 2019, 19, 7236-7245.	9.1	75
3	The charge state of electrostatically transported dust on regolith surfaces. Geophysical Research Letters, 2017, 44, 3059-3065.	4.0	47
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	Bidirectional triplet exciton transfer between silicon nanocrystals and perylene. Chemical Science, 2021, 12, 6737-6746.	7.4	19
6	Critical barriers to the large scale commercialization of silicon-containing batteries. Nanoscale Advances, 2020, 2, 4368-4389.	4.6	18
7	Laboratory Investigation of Rate of Electrostatic Dust Lofting Over Time on Airless Planetary Bodies. Geophysical Research Letters, 2018, 45, 13,206.	4.0	17
8	Airâ€Stable Silicon Nanocrystalâ€Based Photon Upconversion. Advanced Optical Materials, 2021, 9, 2100453.	7.3	11
9	Efficient facemask decontamination via forced ozone convection. Scientific Reports, 2021, 11, 12263.	3.3	7
10	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
11	Low temperature radical initiated hydrosilylation of silicon quantum dots. Faraday Discussions, 2020, 222, 190-200.	3.2	3
12	Interaction Between a Low-Temperature Plasma and Graphene: An in situ Raman Thermometry Study. Physical Review Applied, 2021, 15, .	3.8	3
13	Experimental Methods of Dust Charging and Mobilization on Surfaces with Exposure to Ultraviolet Radiation or Plasmas. Journal of Visualized Experiments, 2018, , .	0.3	2