Aaron Sheng

List of Publications by Year
in descending order

13 papers	202 citations	1163117 8 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	236 citing authors

#	Article	IF	Citations
1	Ti-Alloying of BaZrS₃ Chalcogenide Perovskite for Photovoltaics. ACS Omega, 2020, 5, 18579-18583.	3.5	54
2	Hole Extraction by Design in Photocatalytic Architectures Interfacing CdSe Quantum Dots with Topochemically Stabilized Tin Vanadium Oxide. Journal of the American Chemical Society, 2018, 140, 17163-17174.	13.7	33
3	The Middle Road Less Taken: Electronic-Structure-Inspired Design of Hybrid Photocatalytic Platforms for Solar Fuel Generation. Accounts of Chemical Research, 2019, 52, 645-655.	15.6	29
4	Reflective Paint Consisting of Mesoporous Silica Aerogel and Titania Nanoparticles for Thermal Management. ACS Applied Nano Materials, 2021, 4, 6357-6363.	5.0	17
5	Copper Nanoplates for Printing Flexible High-Temperature Conductors. ACS Applied Nano Materials, 2022, 5, 4028-4037.	5.0	13
6	Flexible Copper Nanowire Electronics for Wireless Dynamic Pressure Sensing. ACS Applied Electronic Materials, 2021, 3, 5468-5474.	4.3	12
7	Programming Interfacial Energetic Offsets and Charge Transfer in Î²-Pb_{0.33}V₂O₅/Quantum-Dot Heterostructures: Tuning Valence-Band Edges to Overlap with Midgap States. Journal of Physical Chemistry C, 2016, 120, 28992-29001.	3.1	11
8	Printing Nanostructured Copper for Electromagnetic Interference Shielding. ACS Applied Electronic Materials, 2022, 4, 2047-2052.	4.3	9
9	Ultrahigh Temperature Copper-Ceramic Flexible Hybrid Electronics. Nano Letters, 2021, 21, 9279-9284.	9.1	8
10	Type-II heterostructures of Î±-V2O5 nanowires interfaced with cadmium chalcogenide quantum dots: Programmable energetic offsets, ultrafast charge transfer, and photocatalytic hydrogen evolution. Journal of Chemical Physics, 2019, 151, 224702.	3.0	6
11	Flexible Copperâ€“Graphene Nanoplates on Ceramic Supports for Radiofrequency Electronics with Electromagnetic Interference Shielding and Thermal Management Capacity. ACS Applied Nano Materials, 2021, 4, 11841-11848.	5.0	4
12	Highâ€Temperature Copperâ€“Graphene Conductors via Aerosol Jetting. Advanced Engineering Materials, 2022, 24, .	3.5	4
13	Printed copper-nanoplate conductor for electro-magnetic interference. Nanotechnology, 2022, 33, 115601.	2.6	2