

# Aaron Sheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7344679/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Copper Nanoplates for Printing Flexible High-Temperature Conductors. ACS Applied Nano Materials, 2022, 5, 4028-4037.	5.0	13
2	Printing Nanostructured Copper for Electromagnetic Interference Shielding. ACS Applied Electronic Materials, 2022, 4, 2047-2052.	4.3	9
3	High-Temperature Copper-Graphene Conductors via Aerosol Jetting. Advanced Engineering Materials, 2022, 24, .	3.5	4
4	Printed copper-nanoplate conductor for electro-magnetic interference. Nanotechnology, 2022, 33, 115601.	2.6	2
5	Reflective Paint Consisting of Mesoporous Silica Aerogel and Titania Nanoparticles for Thermal Management. ACS Applied Nano Materials, 2021, 4, 6357-6363.	5.0	17
6	Flexible Copper-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
7	Ultrahigh Temperature Copper-Ceramic Flexible Hybrid Electronics. Nano Letters, 2021, 21, 9279-9284.	9.1	8
8	Flexible Copper Nanowire Electronics for Wireless Dynamic Pressure Sensing. ACS Applied Electronic Materials, 2021, 3, 5468-5474.	4.3	12
9	Ti-Alloying of BaZrS <sub>3</sub> Chalcogenide Perovskite for Photovoltaics. ACS Omega, 2020, 5, 18579-18583.	3.5	54
10	Type-II heterostructures of $\text{In}_2\text{O}_3/\text{V}_2\text{O}_5$ 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	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
12	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
13	Programming Interfacial Energetic Offsets and Charge Transfer in $\text{In}_2\text{Pb}_{0.33}\text{V}_2\text{O}_5$ Quantum-Dot Heterostructures: Tuning Valence-Band Edges to Overlap with Midgap States. Journal of Physical Chemistry C, 2016, 120, 28992-29001.	3.1	11