

James Semple

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

395
citations

1040056

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h-index

1474206

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g-index

10
all docs

10
docs citations

10
times ranked

645
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-15-nm patterning of asymmetric metal electrodes and devices by adhesion lithography. Nature Communications, 2014, 5, 3933.	12.8	77
2	Flexible diodes for radio frequency (RF) electronics: a materials perspective. Semiconductor Science and Technology, 2017, 32, 123002.	2.0	64
3	Radio Frequency Coplanar ZnO Schottky Nanodiodes Processed from Solution on Plastic Substrates. Small, 2016, 12, 1993-2000.	10.0	48
4	100%GHz zinc oxide Schottky diodes processed from solution on a wafer scale. Nature Electronics, 2020, 3, 718-725.	26.0	45
5	Analysis of Schottky Contact Formation in Coplanar Au/ZnO/Al Nanogap Radio Frequency Diodes Processed from Solution at Low Temperature. ACS Applied Materials & Interfaces, 2016, 8, 23167-23174.	8.0	43
6	Signatures of Quantized Energy States in Solution-Processed Ultrathin Layers of Metal-Oxide Semiconductors and Their Devices. Advanced Functional Materials, 2015, 25, 1727-1736.	14.9	36
7	Deep Ultraviolet Copper(I) Thiocyanate (CuSCN) Photodetectors Based on Coplanar Nanogap Electrodes Fabricated via Adhesion Lithography. ACS Applied Materials & Interfaces, 2017, 9, 41965-41972.	8.0	31
8	Large-area plastic nanogap electronics enabled by adhesion lithography. Npj Flexible Electronics, 2018, 2, .	10.7	29
9	Semiconductor-Free Nonvolatile Resistive Switching Memory Devices Based on Metal Nanogaps Fabricated on Flexible Substrates via Adhesion Lithography. IEEE Transactions on Electron Devices, 2017, 64, 1973-1980.	3.0	20
10	Adhesion lithography for fabrication of printed radio-frequency diodes. SPIE Newsroom, 0, , .	0.1	2