James Semple

List of Publications by Year
in descending order

10 papers	395 citations	1040056 9 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	645 citing authors

#	Article	IF	Citations
1	100â€‰GHz zinc oxide Schottky diodes processed from solution on a wafer scale. Nature Electronics, 2020, 3, 718-725.	26.0	45
2	Large-area plastic nanogap electronics enabled by adhesion lithography. Npj Flexible Electronics, 2018, 2, .	10.7	29
3	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
4	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
5	Flexible diodes for radio frequency (RF) electronics: a materials perspective. Semiconductor Science and Technology, 2017, 32, 123002.	2.0	64
6	Radio Frequency Coplanar ZnO Schottky Nanodiodes Processed from Solution on Plastic Substrates. Small, 2016, 12, 1993-2000.	10.0	48
7	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
8	Signatures of Quantized Energy States in Solutionâ€Processed Ultrathin Layers of Metalâ€Oxide Semiconductors and Their Devices. Advanced Functional Materials, 2015, 25, 1727-1736.	14.9	36
9	Sub-15-nm patterning of asymmetric metal electrodes and devices by adhesion lithography. Nature Communications, 2014, 5, 3933.	12.8	77
10	Adhesion lithography for fabrication of printed radio-frequency diodes. SPIE Newsroom, 0, , .	0.1	2