Derek R Miller

List of Publications by Year
in descending order

11 papers	1,640 citations	1478505 6 h-index	1372567 10 g-index
12 all docs	12 docs citations	12 times ranked	2439 citing authors

#	Article	IF	Citations
1	Nanoscale metal oxide-based heterojunctions for gas sensing: A review. Sensors and Actuators B: Chemical, 2014, 204, 250-272.	7.8	1,465
2	Editorsâ€™ Choiceâ€"Critical Reviewâ€"A Critical Review of Solid State Gas Sensors. Journal of the Electrochemical Society, 2020, 167, 037570.	2.9	112
3	STEM-Cathodoluminescence of SnO2 nanowires and powders. Sensors and Actuators B: Chemical, 2017, 240, 193-203.	7.8	22
4	Synthesis of Hierarchical SnO2 Nanowireâ€“TiO2 Nanorod Brushes Anchored to Commercially Available FTO-coated Glass Substrates. Nano-Micro Letters, 2017, 9, 33.	27.0	12
5	A new open-access online database for resistive-type gas sensor properties and performance. Sensors and Actuators B: Chemical, 2020, 321, 128591.	7.8	9
6	Measuring optical properties of individual SnO2 nanowires via valence electron energy-loss spectroscopy. Journal of Materials Research, 2017, 32, 2479-2486.	2.6	5
7	Comparison of electrical measurements of nanostructured gas sensors using wire bonding vs. probe station. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107451.	5.0	3
8	Tailoring of Boehmite-Derived Aluminosilicate Aerogel Structure and Properties: Influence of Ti Addition. Materials Research Society Symposia Proceedings, 2011, 1306, 1.	0.1	1
9	Correlative STEM-Cathodoluminescence and Low-Loss EELS of Semiconducting Oxide Nano-Heterostructures for Resistive Gas-Sensing Applications. Microscopy and Microanalysis, 2015, 21, 1255-1256.	0.4	1
10	Nano-Heterostructure Metal Oxide Gas Sensors: Opportunities and Challenges. , 2020, , .		0
11	Nano-Heterostructure Metal Oxide Gas Sensors: Opportunities and Challenges. , 2022, , 297-301.		0