

# Derek R Miller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7829192/publications.pdf>

Version: 2024-02-01

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	Nano-Heterostructure Metal Oxide Gas Sensors: Opportunities and Challenges. , 2022, , 297-301.		0
2	Nano-Heterostructure Metal Oxide Gas Sensors: Opportunities and Challenges. , 2020, , .		0
3	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
4	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
5	Editorsâ€™ Choiceâ€™ Critical Reviewâ€™ A Critical Review of Solid State Gas Sensors. Journal of the Electrochemical Society, 2020, 167, 037570.	2.9	112
6	Synthesis of Hierarchical SnO <sub>2</sub> Nanowireâ€™TiO <sub>2</sub> Nanorod Brushes Anchored to Commercially Available FTO-coated Glass Substrates. Nano-Micro Letters, 2017, 9, 33.	27.0	12
7	Measuring optical properties of individual SnO <sub>2</sub> nanowires via valence electron energy-loss spectroscopy. Journal of Materials Research, 2017, 32, 2479-2486.	2.6	5
8	STEM-Cathodoluminescence of SnO <sub>2</sub> nanowires and powders. Sensors and Actuators B: Chemical, 2017, 240, 193-203.	7.8	22
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	Nanoscale metal oxide-based heterojunctions for gas sensing: A review. Sensors and Actuators B: Chemical, 2014, 204, 250-272.	7.8	1,465
11	Tailoring of Boehmite-Derived Aluminosilicate Aerogel Structure and Properties: Influence of Ti Addition. Materials Research Society Symposia Proceedings, 2011, 1306, 1.	0.1	1