

# Muhammad Hamid Raza

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Toward Optimized Radial Modulation of the Space-Charge Region in One-Dimensional SnO <sub>2</sub> /NiO Core-Shell Nanowires for Hydrogen Sensing. ACS Applied Materials & Interfaces, 2020, 12, 4594-4606.	8.3	58
2	Gas Sensing of NiO/SCCNT Core-Shell Heterostructures: Optimization by Radial Modulation of the Hole Accumulation Layer. Advanced Functional Materials, 2020, 30, 1906874.	16.4	34
3	A Self-Limited Atomic Layer Deposition of WS <sub>2</sub> Based on the Chemisorption and Reduction of Bis( <i>tert</i> -butylimino)bis(dimethylamino) Complexes. Chemistry of Materials, 2019, 31, 1881-1890.	7.0	24
4	Optimization of the Activity of Ni-Based Nanostructures for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2018, 1, 4554-4563.	5.3	21
5	Structure, Defects, and Magnetism of Electrospun Hematite Nanofibers Silica-Coated by Atomic Layer Deposition. Langmuir, 2020, 36, 1305-1319.	3.7	18
6	Morphology-controlled MoS <sub>2</sub> by low-temperature atomic layer deposition. Nanoscale, 2020, 12, 20404-20412.	5.8	15
7	Role of Heterojunctions of Core-Shell Heterostructures in Gas Sensing. ACS Applied Materials & Interfaces, 2022, 14, 22041-22052.	8.3	15
8	Vertically aligned TiO <sub>2</sub> /ZnO nanotube arrays prepared by atomic layer deposition for photovoltaic applications. Korean Journal of Chemical Engineering, 2019, 36, 1157-1163.	2.8	12
9	ALD-Coated Mesoporous Iridium-Titanium Mixed Oxides: Maximizing Iridium Utilization for an Outstanding OER Performance. Advanced Materials Interfaces, 2022, 9, .	4.1	9
10	SnO <sub>2</sub> /SiO <sub>2</sub> 1D Core-Shell Nanowires Heterostructures for Selective Hydrogen Sensing. Advanced Materials Interfaces, 2021, 8, 2100939.	4.1	8
11	CNT/Al <sub>2</sub> O <sub>3</sub> core-shell nanostructures for the electrochemical detection of dihydroxybenzene isomers. Physical Chemistry Chemical Physics, 2021, 23, 14064-14074.	2.9	6
12	On the plasmon-assisted detection of a 1585 cm <sup>-1</sup> mode in the 532 nm Raman spectra of crystalline Fe <sub>2</sub> O <sub>3</sub> /polycrystalline NiO core/shell nanofibers. Applied Physics Letters, 2021, 118, .	3.3	5
13	Mesoporous WC <sub>x</sub> Films with NiO-Protected Surface: Highly Active Electrocatalysts for the Alkaline Oxygen Evolution Reaction. ChemSusChem, 2021, 14, 4708-4717.	7.4	5
14	A fully automatized method for the unambiguous wavelength-by-wavelength determination of the thickness and optical property of a very thin film with a transparent range. Journal of Applied Physics, 2023, 134, .	2.3	2
15	Gas Sensing and Electrochemical Properties of CNT/WS <sub>2</sub> Core-shell Nanostructures. ACS Applied Nano Materials, 2024, 7, 4998-5008.	5.2	1
16	Electrochemical Performance of WS <sub>2</sub> -CNT Core-Shell Heterostructures for the Detection of Vitamin B <sub>2</sub> . Proceedings (mdpi), 0, , .	0.2	0