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Qualifications

PhD, Hybrid Metal Oxide Nanoarrays: Fabrication, Properties and Energy Conversion Applications, Chemistry
Department of King Fahd University of Petroleum and Minerals
Jan 2014 → Aug 2018
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Employment

Assistant Professor

CBI Green Chemicals and Energy Centre
China Beacons Institute
1 Feb 2024 → present

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27 May 2024 → present

Research outputs

Green synthesis of activated carbon from biomass waste of date palm seeds: A sustainable solution for energy storage and environmental impact

Ayaz, M., Shah, S. S., Younas, M., Safder, U., Khan, I., Aziz, M. A., Adnan, Oyama, M., Rice, J. H., Tahir, M. N. & Ashraf, M., 28 Feb 2025, In: Journal of Energy Storage. 110, 115291.

Strategically coupled tungsten oxide-zinc oxide photosystems for solar-driven nerve agent simulant degradation and hydrogen evolution

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Highly selective sensing of toxic NO_x gases for environmental monitoring using Ru-doped single walled TiO₂ nanotube: A density functional theory study

Ragab, A. H., Al-Mhyawi, S. R., Kamran, A. W., Khan, I. & Khan, I., 1 Oct 2024, In: Sensors and Actuators A: Physical. 376, 115632.

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Carbon nitride (C₃N₃) decorated with non-noble metal Ni₂P Co-catalyst based nanocomposites for photocatalytic water splitting

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Bandgap Engineering of Melon using Highly Reduced Graphene Oxide for Enhanced Photoelectrochemical Hydrogen Evolution

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A High-Performance Asymmetric Supercapacitor Based on Tungsten Oxide Nanoplates and Highly Reduced Graphene Oxide Electrodes

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Projects

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| 2023 | Lorem ipsum dolor sit amet |
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