

Khadija Munawar

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About

Dr. Khadija Munawar is working as Assistant Professor in the School of Natural Sciences. Dr. Khadija Munawar has a PhD in Materials Science. Dr. Khadija Munawar has published 21 research articles & conference papers having a citation count of 331, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Materials Science Universiti Malaya , Malaysia	2015 - 2018
MPhil in Physical Chemistry Quaid-i-Azam University , Pakistan	2009 - 2011
MS in Physical Chemistry Quaid-i-Azam University , Pakistan	2007 - 2009

Experience

Assistant Professor School of Natural Sciences	2022- Present
Temporary Visiting Faculty School of Natural Sciences	2022 - 2022
Post doctoral research fellow University of Malaya, Malaysia , Department of Mechanical engineering, University of Malaya, Malaysia	2019 - 2021
Lecturer Army Public School and college Westridge III Rawalpindi Cantt , Westridge III Rawalpindi Cantt	2012 - 2015

Research Articles

Unveiling the antistatic, anticancer and antibacterial properties of boron nitride and ionic liquid blended polyurethane elastomer films <i>Aroosa Farooq Musammir Khan Samra Farooq Azhar Mahmood Aneela Javed Aamra Imtiaz Anwar Khan Khadija Munawar</i> <i>Materials Chemistry and Physics</i> , Volume 346, 131413 Impact Factor: 4.700 Quartile: 2 DOI: https://doi.org/10.1016/j.matchemphys.2025.131413	2025
Revolutionizing electrocatalytic synergy: optimized ZrO2–Co3O4 composites for high-efficiency oxygen evolution reaction <i>Alvera Mahnoor Fareeha Marriam Khadija Munawar Khurram Shahzad Munawar Muhammad Adeel Asghar Javed Iqbal Ali Haider Syed Mustansar Abbas</i> <i>Muhammad Adil Mansoor</i> <i>Journal of Applied Electrochemistry</i> , Volume:55, Issue:6, Pages 1399-1414 Impact Factor: 2.400 Quartile: 3 DOI: https://doi.org/10.1007/s10800-025-02261-w	2025
Synergistic Approach of TiO2@MnZnO3 Heterostructure for Efficient Photoelectrochemical Water Splitting <i>Fareeha Marriam Aleena Arshad Khadija Munawar Muhammad Adil Mansoor Mehdi Ebadi Rabia Naeem</i> <i>Journal of The Electrochemical Society</i> , Volume 171, Number 9, Article Number 096501 Impact Factor: 3.100 Quartile: 2 Citations: 3 DOI: DOI 10.1149/1945-7111/ad728d	2024
Optical and photoelectrocatalytic performance of Tin (II) oxide silicate (Sn6SiO8) thin films as a photoanode by Aerosol Assisted Chemical Vapor Deposition <i>Rabia Naeem Khadija Munawar Sehar Shakir Rabia Sattar Muhammad Adil Mansoor</i>	2024

Effect of deposition temperature on topography and electrochemical water oxidation of NiO thin films

2023

Khadija Munawar Muhammad Adil Mansoor Rabia Naeem Muhammad Rizwan Muhammad Shakeel Ahmad Tuan Zaharinie Mohd Nashrul Mohd Zubir Zarina Aspanut

Thin Solid Films , Volume 782, Article Number: 140031

Impact Factor: 2.1 | Quartile: 3 | Citations: 10

DOI: 10.1016/j.tsf.2023.140031

Aerosol-assisted facile fabrication of bimetallic Cr2O3-Mn2O3 thin films for photoelectrochemical water splitting

2023

Muhammad Adil Mansoor Khadija Munawar Rabia Naeem N.M. Sari M. Adeel Asghar Ali Haider M. N. M. Zubir T. Zaharinie

New Journal of Chemistry , Volume 47(17), Pages 8347-8354

Impact Factor: 3.3 | Quartile: 2 | Citations: 19

DOI: 10.1039/d2nj06274g

Effect of concentration of MoS2 on the TCO-Pt free polyaniline nano-rod based counter electrode for dye sensitised solar cell application

2022

Muhammad Shakeel Ahmad M.M. Shahid Syed Shahabuddin Khadija Munawar Nasrudin Abd Rahim Waqar Ahmed

Materials Technology , Volume 37, Issue 10, Pages 1366-1374

Impact Factor: 3.1 | Quartile: 3 | Citations: 3

DOI: org/10.1080/10667857.2021.1949526

A composite approach to synthesize a high-performance Pt/WO3-carbon catalyst for optical and electrocatalytic applications

2022

Rabia Naeem Saba Afzal Muhammad Adil Mansoor Khadija Munawar Bibi Sherino Riaz Ahmed

New Journal of Chemistry , Volume 46, Issue 28, Pages 13454-13464

Impact Factor: 3.925 | Quartile: 2 | Citations: 8

DOI: https://doi.org/10.1039/D2NJ01497A

Single source precursor derived ZnO–PbO composite thin films for enhanced photocatalytic activity

2022

Maria Batool Rohama Gill Khadija Munawar Vickie McKee Muhammad Mazhar

Journal of Solid State Chemistry , Volume 305, Article Number 122642

Impact Factor: 3.498 | Quartile: 2 | Citations: 11

DOI: https://doi.org/10.1016/j.jssc.2021.122642

Versatile Fabrication of Binary Composite SnO2-Mn2O3 Thin Films by AACVD for Synergistic Photocatalytic Effect

2021

Rabia Naeem Muhammad Adil Mansoor Khadija Munawar Ahmad Adnan Tuan Zaharinie Mohd Nashrul Mohd Zubir

Journal of Electronic Materials , Volume 50, Pages 3897–3906

Impact Factor: 2.047 | Quartile: 3 | Citations: 19

DOI: https://doi.org/10.1007/s11664-021-08897-6

Preparation of isocyanate-free composite coating with controlled molecular architecture: A new convergent approach to functional macromolecules

2021

Mhd. Abd. Cader Mhd. Haniifa Ching Yern Chee Hazlee Azil Illias Ahmad Halilu Khadija Munawar Viorel Sandu Chuah Cheng Hock

Progress in Organic Coatings , Volume 151, Article Number 106039

Impact Factor: 6.206 | Quartile: 1 | Citations: 4

DOI: 10.1016/j.porgcoat.2020.106039

Fabrication of Ag–ZnO composite thin films for plasmonic enhanced water splitting

2020

Khadija Munawar Muhammad Adil Mansoor Marilyn M. Olmstead Tuan Zaharinie Mohd Nashrul Mohamad Hanifa Wan Jefrey Basirun Muhammad Mazhar

Materials Chemistry and Physics , Volume 255, Article Number 123220

Impact Factor: 4.094 | Quartile: 2 | Citations: 36

DOI: https://doi.org/10.1016/j.matchemphys.2020.123220

Optical and photocatalytic properties of biomimetic cauliflower-like Ca2Mn3O8–CaO composite thin films

2020

Khadija Munawar Muhammad Adil Mansoor Vickie McKee Tuan Zaharinie Mohd Nashrul Zarina Aspanut Farazila Yusof Muhammad Mazhar

Journal of Solid State Chemistry , Volume 290, Article Number 121552

Impact Factor: 3.498 | Quartile: 2 | Citations: 8

DOI: https://doi.org/10.1016/j.jssc.2020.121552

Synthesis, characterization and computational study of an ilmenite-structured Ni₃Mn₃Ti₆O₁₈ thin film photoanode for solar water splitting† <i>Khadija Munawar Fouzia Perveen Muhammad Mehmood Shahid Wan Jeffrey Basirun Misni Bin Misran Muhammad Mazhar New Journal of Chemistry</i> , Volume 43, Issue 28, Pages 11113-11124 Impact Factor: 3.288 Quartile: 2 Citations: 5 DOI: 10.1039/c9nj00457b	2019
Pyrochlore-structured Y₂Ti₂O₇–2TiO₂ composite thin films for photovoltaic applications <i>Khadija Munawar Marilyn M. Olmstead FARAZILA BINTI YUSOF Misni Bin Misran Wan Jeffrey Basirun Muhammad Mazhar Muhammad Adil Mansoor Journal of the Australian Ceramic Society</i> , - Impact Factor: 1.307 Quartile: 2 Citations: 21 DOI: 10.1007/s41779-019-00329-3	2019
Iron–manganese–titanium (1 : 1 : 2) oxide composite thin films for improved photocurrent efficiency <i>Muhammad Adil Mansoor Khadija Munawar S. P. Lim N.-M. Huang M. Mazhar M. J. Akhtar M. Siddique New Journal of Chemistry</i> , Volume 41, Pages 7322-7330 Impact Factor: 3.201 Quartile: 2 Citations: 20 DOI: 10.1039/c7nj00513j	2017
Single step fabrication of CuO–MnO–2TiO₂ composite thin films with improved photoelectrochemical response <i>Khadija Munawar Muhammad Adil Mansoor Wan Jefrey Basirun Misni Misran Nay Ming Huang Muhammad Mazha RSC Advances</i> , Volume 7, pages 15885-15893 Impact Factor: 2.936 Quartile: 2 Citations: 68 DOI: 10.1039/c6ra28752b	2017

Book Chapters

Emerging fabrication strategies of hydrogel and its use as a drug delivery vehicle <i>Farzana Nazir Khadija Munawar</i> In: <i>Hydrogels: Antimicrobial Characteristics, Tissue Engineering, Drug Delivery Vehicle</i> , Chapter 6, Pages 79-102 Citations: N/A DOI: 10.1515/9783111334080	2024
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