

Muhammad Adil Mansoor

Associate Professor

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About

Dr. Muhammad Adil Mansoor is working as Associate Professor in the School of Natural Sciences. Dr. Muhammad Adil Mansoor has a PhD in Chemistry. Dr. Muhammad Adil Mansoor has published 80 research articles & conference papers having a citation count of 1104, carried out 3 projects and filed 0 intellectual property.

Qualifications

PhD in Chemistry Universiti Malaya , Malaysia	2011 - 2015
MPhil in Chemistry Quaid-i-Azam University , Pakistan	2008 - 2010
MSc in Chemistry Quaid-i-Azam University , Pakistan	2006 - 2008
BSc in Premedical Government College University Lahore , Pakistan	2004 - 2006

Experience

Associate Professor School of Natural Sciences	2022- Present
Associate Professor School of Natural Sciences	2021 - 2022
Assistant Professor School of Natural Sciences	2019 - 2021
Assistant Professor University of Sargodha Mianwali campus , University of Sargodha, Mianwali campus, Mianwali, Pakistan	2018 - 2019
Post doctoral Research Fellow University of Malaya , Institute of Research Management and Services, University of Malaya, Kuala Lumpur, Malaysia	2017 - 2018
Research Assistant University of Malaya , Institute of Research Management and Services, University of Malaya, Kuala Lumpur, Malaysia	2016 - 2016
Post doctoral Research Fellow University of Malaya , High Impact Research Secretariat, Level 1,HIR Building, University of Malaya, Kuala Lumpur,Malaysia	2015 - 2016

Research Projects

National Projects

Development of mixed metal oxide -polymer composites and solid solution films aimed towards achieving clean energy applications 2022

Funding Agency: NRPUP
Amount: PKR 4,500,000.00
Status: Approved_inprocess

Synthesis and characterization of metal decorated high surface area porous sodiumaluminosilicate and aluminotitanates for environmental control and energy security 2020

Funding Agency: Higher Education Commission Pakistan
Amount: PKR 8,330,985.00
Status: Completed

International Projects

Industry Projects

National Projects

Career Orientation Test Development 2020

Client: Merafuture
Amount: PKR 1,200,000.00
Status: Completed

International Projects

Research Articles

MnFe2O4 thin film electrodes via AACVD: A facile route for enhanced oxygen evolution reaction 2025

Alishbah Zaka Misha Aftab Nudrat fatima Khola Mashood Arshid Numan Muhammad Sheraz Ahmad Ali Haider Mudassir Iqbal Waqas Ali Shah Muhammad Adil Mansoor Muhammad Adeel Asghar
Fuel, Volume 395, Article Number 135179
Impact Factor: 7.5 | **Quartile:** 1
DOI: <https://doi.org/10.1016/j.fuel.2025.135179>

Facile synthesis and electrochemical study of NiO-Cr2O3/carbon nanotubes/polyaniline hybrid as a high-performance supercapattery electrode material 2025

Anna Khalid Azhar Mahmood Arshid Numan Mohammad Khalid Mudassir Iqbal Muhammad Adil Mansoor
Journal of Alloys and Compounds, Volume 1031, Article Number 181009
Impact Factor: 5.800 | **Quartile:** 1
DOI: <https://doi.org/10.1016/j.jallcom.2025.181009>

Revolutionizing electrocatalytic synergy: optimized ZrO2–Co3O4 composites for high-efficiency oxygen evolution reaction 2025

Alvera Mahnoor Fareeha Marriam Khadija Munawar Khurram Shahzad Munawar Muhammad Adeel Asghar Javed Iqbal Ali Haider Syed Mustansar Abbas Muhammad Adil Mansoor
Journal of Applied Electrochemistry, Volume:55, Issue:6, Pages 1399-1414
Impact Factor: 2.400 | **Quartile:** 3
DOI: <https://doi.org/10.1007/s10800-025-02261-w>

Synergistic effects in TiO2/MoS2/SnS ternary nanocomposite electrodes for enhanced supercapacitor performance 2025

Sara Abid Ghulam Ali Muhammad Adil Mansoor Laraib Sajjad Sidra Khalid Faiza Jan Iftikhar Muhammad Farooq Khan
Journal of Energy Storage, Volume:119, Article Number 116378
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 3
DOI: <https://doi.org/10.1016/j.est.2025.116378>

Bis-imidazolium ionic liquid and silver nanoparticles mediated synthesis of alginate hydrogels for bacterial skin infection and wound healing applications 2025

Minahil Imtiaz Hira Akram Bushra Arshad Adeeb Shahzad Sajjad Haider Kamran Alam Salah uddin khan Muhammad Adil Mansoor Mudassir Iqbal
International Journal of Biological Macromolecules, Volume: 306, Part 3, Article Number: 141420
Impact Factor: 7.7 | **Quartile:** 1 | **Citations:** 2
DOI: <https://doi.org/10.1016/j.ijbiomac.2025.141420>

Electrochemical performance of Ag nanoparticles-integrated surface-terminated V2CTx MXene for enhanced energy storage <i>Alishbah Zaka Muhammad Adil Mansoor Abdul Karim Sajjad Haider Kamran Alam Mudassir Iqbal</i> <i>Journal of Alloys and Compounds</i>, Volume: 1022, Article Number: 180025 Impact Factor: 5.8 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1016/j.jallcom.2025.180025	2025
Unveiling the Potential of Protein-Based Sustainable Antibacterial Materials <i>Iqra Ghouri Muslim Demir Shahid Ali Khan Muhammad Adil Mansoor Mudassir Iqbal</i> <i>Probiotics and Antimicrobial Proteins</i>, Volume:17, Pages:737-762 Impact Factor: 4.400 Quartile: 1 DOI: https://doi.org/10.1007/s12602-024-10381-6	2025
Facile Hydrothermal Synthesis of Highly Durable Binary and Ternary Cobalt Nickel Copper Oxides for High-Performance Oxygen Evolution Reaction <i>Muhammad Adil Mansoor Muhammad Adeel Asghar Zubair Ahmad Arshid Numan Ali Haider Humaira Bibi</i> <i>International Journal of Hydrogen Energy</i>, Volume 107, Pages 369-377 Impact Factor: 8.100 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1016/j.ijhydene.2024.02.321	2025
Synthesis and assessment of Au-doped Sb2Te3 microstructures for magnetic and thermoelectric properties <i>Nitasha Komal Muhammad Adil Mansoor Manzar Sohail Ghayoor Abbas Chotana Muhammad Anis-ur-Rehman Muhammad Mazhar</i> <i>Physica B : Condensed Matter</i>, Volume 699, Article Number 416863 Impact Factor: 2.800 Quartile: 2 DOI: https://doi.org/10.1016/j.physb.2024.416863	2025
MoS2 Nanoflowers Impregnated Functionally Modified Amino Cellulose Nanocomposites: An Innovative Approach for Anticancer Therapeutics <i>Areesha Khan Sajjad Haider Kamran Alam Muhammad Adil Mansoor Mudassir Iqbal Farzana Nazir</i> <i>BioNanoScience</i>, Volume:15, Article Number 137, Pages:16 Impact Factor: 3.000 Quartile: 3 DOI: https://doi.org/10.1007/s12668-024-01758-6	2024
Novel ZnSe@d-Ti3CNTx nanocomposite as efficient bifunctional electrocatalyst for water splitting system <i>Maryam Bibi Muhammad Asad Asghar Saba Ahmad Syeda Mahnoor Zehra Sajjad Haider Kamran Alam Yongbo Kuang Muhammad Adil Mansoor Fawad Ahmad Mudassir Iqbal</i> <i>Materials Science in Semiconductor Processing</i>, Volume 184, Article Number 108822 Impact Factor: 4.200 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1016/j.mssp.2024.108822	2024
Optoelectronic and Photocatalytic investigations of chitosan (CS) modified Platinum decorated ceria (Pt-CeO2-CS) composite <i>Safoora Shabbi Rabia Naeem Tehmeena Ishaq Muhammad Adil Mansoor Saba Afzal Fatima Hassan</i> <i>Optical Materials</i>, Volume 157, Part 3, Article Number 116376 Impact Factor: 3.800 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1016/j.optmat.2024.116376	2024
Enhanced Electrocatalytic Performance of Novel d-Ti3CN@CdSe Nanocomposite for Efficient Water Splitting: Achieving Low Overpotential and High Stability <i>Maryam Bibi Muhammad asad Asghar Saba Ahmad Sajjad Haider Kamran Alam Shahid Ali Khan Muhammad Adil Mansoor Mudassir Iqbal</i> <i>Journal of the Electrochemical Society</i>, Volume: 171, Number: 10, Article Number: 106505 Impact Factor: 3.1 Quartile: 2 Citations: 1 DOI: 10.1149/1945-7111/ad88ac	2024
Hydrothermal approach for the synthesis of FeSe2/Ti3CNTx and its applications towards water splitting and energy storage <i>Saba Ahmad Iffat Ashraf Sajjad Haider Kamran Alam Muhammad Adil Mansoor Mudassir Iqbal</i> <i>Diamond and Related Materials</i>, Volume 148, Article Number 111536 Impact Factor: 4.300 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1016/j.diamond.2024.111536	2024
Catalytic efficiency and kinetic analysis of manganese Polyoxometalate Heterogenized in MIL-100-Fe for selective Olefin oxidation using H2O2	2024

Waqas Ali Shah Syed Mustansar Abbas Muhammad Adil Mansoor Shaista Ibrahim Qaisar Abbas Bhatti Shujun Li <i>Molecular Catalysis</i> , Volume 567, Article Number 114456 Impact Factor: 3.900 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1016/j.mcat.2024.114456	
Synergistic Approach of TiO₂@MnZnO₃ Heterostructure for Efficient Photoelectrochemical Water Splitting Fareeha Marriam Aleena Arshad Khadija Munawar Muhammad Adil Mansoor Mehdi Ebadi Rabia Naeem <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
Fabrication of Ti₃CN @ ZnSe nanocomposite for enhanced supercapacitor performance Muhammad Asad Asghar Muhammad Waseem Yaseen Amina Arshad Saba Ahmad Iffat Ashraf Muhammad Adil Mansoor Mudassir Iqbal <i>Surfaces and Interfaces</i> , Volume 51, Article Number 104743 Impact Factor: 5.700 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.surfin.2024.104743	2024
Investigating Electrochemical Behavior of Cobalt Pentacyano(methylaniline)ferrate(II) in Various Aqueous Electrolytes for Supercapacitor Application Muhammad Bilal Abid Inayat Saqib Ali Muhammad Adil Mansoor Ali Haider Khizar Hayat Hazrat Hussain Talha Nisar Veit Wagner Syed Mustansar Abbas <i>New Journal of Chemistry</i> , Volume 48, Issue 27, Pages 12434-12443 Impact Factor: 2.700 Quartile: 2 Citations: 6 DOI: https://doi.org/10.1039/D4NJ02023E	2024
Graphite sheet-supported bimetallic RhNi thin film alloys for enhanced and durable hydrogen evolution in acidic environments Muhammad Ali Ehsan Faryal Aftab Muhammad Younas Muhammad Adil Mansoor Shakeel Ahmed <i>International Journal of Hydrogen Energy</i> , Volume 69, 5 June 2024, Pages 411-420 Impact Factor: 7.2 Quartile: 1 Citations: 6 DOI: 10.1016/j.ijhydene.2024.05.046	2024
Single Source Precursor Synthesis of Lead Titanate (PbTiO₃) for the Electrochemical Detection of Nitric Oxide (NO) Alishbah Zaka Rimsha Liaqat Shahid Mehmood Ali Haider Mudassir Iqbal Muhammad Adil Mansoor <i>Journal of the Electrochemical Society</i> , Volume: 171, Number: 5, Article No: 057518 Impact Factor: 3.9 Quartile: 2 Citations: 1 DOI: 10.1149/1945-7111/ad4e6e	2024
Synthesis, evaluation, and in silico studies of imidazolium and pyridinium-based ionic liquids with Dioctyl succinamic acid anion for enhanced antibacterial applications Syeda Hadeesa Kazmi Amina Arshad Sidrah Hafeez Fazal Adnan Uzma Habib Ali Haider Muhammad Adil Mansoor Mudassir Iqbal <i>Journal of Molecular Liquids</i> , Volume 401, Article Number 124714 Impact Factor: 6.00 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.molliq.2024.124714	2024
Praseodymium doped nickel oxide as hole-transport layer for efficient planar Perovskite Solar Cells Muhammad Tahir Hafiz Muhammad Abd ur Rehman Asif Hussain Mustafa Anwar Muhammad Adil Mansoor Faisal Abbas Sehar Shakir <i>Optik</i> , Volume:300, Article Number: 171630 Impact Factor: 3.1 Quartile: 2 Citations: 7 DOI: 10.1016/j.ijleo.2024.171630	2024
The photoelectrochemically enhanced oxygen evolution reaction via thin films of novel (1:2:1) SnO-Mn₂O₃-TiO₂ hybrid nanotubes Rabia Naeem Sehar Shakir Shahzad Sharif Saba Afzal Shahid Bashir Muhammad Adil Mansoor <i>Surfaces and Interfaces</i> , Volume 46, Article Number; 104034 Impact Factor: 6.2 Quartile: 1 Citations: 11 DOI: 10.1016/j.surfin.2024.104034	2024
Magnetically separable core-shell nanoparticles for simultaneous metal adsorption and dye degradation Shanza Khan Waqar-Un Nisa Shahid Ali Khan Muhammad Adil Mansoor Sajjad Haider Salah Uddin Khan Xinhua Ouyang Mudassir Iqbal <i>Optical Materials</i> , Volume 149, March 2024, 115017 Impact Factor: 3.8 Quartile: 2 Citations: 2 DOI: 10.1016/j.optmat.2024.115017	2024

Nickel-Foam- and Carbon-Nanotubes-Fiber-Supported Bismuth Oxide/Nickel Oxide Composite; Highly Active and Stable Bifunctional Electrocatalysts for Water Splitting in Neutral and Alkaline Media <i>Irsa Tariq Abid Ali Ali Haider Waheed Iqbal Muhammad Adeel Asghar Amin Badshah Muhammad Adil Mansoor Talha Nisar Veit Wagner Syed Mustansar Abbas Rabia Talat</i> <i>Energy Technology</i> , Volume12, Issue4, Article Number: 2301504, Pages: 11 Impact Factor: 3.8 Quartile: 3 Citations: 8 DOI: 10.1002/ente.202301504	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> <i>Optical Materials</i> , Volume 148, Article Number: 114960 Impact Factor: 3.9 Quartile: 2 Citations: 5 DOI: 10.1016/j.optmat.2024.114960	2024
Cobalt/cerium-based ternary Prussian blue analogs as battery type electrode for supercapacitor applications <i>Arfah khan Muneeba shahid Abid Inayat Syed Mustansar Abbas Shengjie Peng Muhammad Adil Mansoor Talha Nisar Veit Wagner Ali Haider</i> <i>Journal of Alloys and Compounds</i> , Volume 964, Article Number 171303 Impact Factor: 6.2 Quartile: 1 Citations: 21 DOI: https://doi.org/10.1016/j.jallcom.2023.171303	2023
Facile synthesis and electrochemical study of NiMnO3/CNT/PANI ternary hybrid as a high-performance supercapacitor electrode material <i>Laraib Sajjad Ghulam Ali Muhammad Adil Mansoor Muhammad Farooq Khan</i> <i>Journal of Energy Storage</i> , Volume 72, Part A, Article Number 108351 Impact Factor: 9.40 Quartile: 1 Citations: 36 DOI: https://doi.org/10.1016/j.est.2023.108351	2023
V2C MXene-TiO2 nanocomposite as an efficient electrode material for oxygen evolution reaction (OER) <i>Alishbah Zaka Muhammad Adil Mansoor Muhammad Adeel Asghar Ali Haider Mudassir Iqbal</i> <i>International Journal of Hydrogen Energy</i> , Volume 48, Issue 89 Impact Factor: 7.2 Quartile: 1 Citations: 40 DOI: 10.1016/j.ijhydene.2023.05.230	2023
Fabrication of a nickel sulfide/nickel oxide heterostructure for efficient electrochemical oxidation of methanol <i>Faria Sheikh Aleena Arshad Fareeha Marriam Zubair Ahmad Ali Haider Mudassir Iqbal Muhammad Adil Mansoor</i> <i>New Journal of Chemistry</i> , Volume 47, Issue 38, Pages 17970-17983 Impact Factor: 3.3 Quartile: 2 Citations: 7 DOI: DOI: 10.1039/d3nj02855k	2023
Surfactant-assisted fabrication of prussian blue analogs as bifunctional electrocatalysts for water and hydrazine oxidation <i>Ruqia Khan Javeria Arshad Safia Khan Muhammad Adil Mansoor Saqib Ali Talha Nisar Veit Wagner Muhammad Adeel Asghar Ali Haider</i> <i>Molecular Catalysis</i> , Volume 548, Article Numbr 113415 Impact Factor: 4.6 Quartile: 2 Citations: 8 DOI: https://doi.org/10.1016/j.mcat.2023.113415	2023
Effect of deposition temperature on topography and electrochemical water oxidation of NiO thin films <i>Khadija Munawar Muhammad Adil Mansoor Rabia Naeem Muhammad Rizwan Muhammad Shakeel Ahmad Tuan Zaharinie Mohd Nashrul Mohd Zubir Zarina Aspanut</i> <i>Thin Solid Films</i> , Volume 782, Article Number: 140031 Impact Factor: 2.1 Quartile: 3 Citations: 10 DOI: 10.1016/j.tsf.2023.140031	2023
Aerosol-assisted facile fabrication of bimetallic Cr2O3-Mn2O3 thin films for photoelectrochemical water splitting <i>Muhammad Adil Mansoor Khadija Munawar Rabia Naeem N.M. Sarih M. Adeel Asghar Ali Haider M. N. M. Zubir T. Zaharinie</i> <i>New Journal of Chemistry</i> , Volume 47(17), Pages 8347-8354 Impact Factor: 3.3 Quartile: 2 Citations: 19 DOI: 10.1039/d2nj06274g	2023
Effect of (Sm, In) Doping on the Electrical and Thermal Properties of Sb2Te3 Microstructures <i>Nitasha Komal Muhammad Adil Mansoor Muhammad Mazhar Manzar Sohail Zahida Malik Muhammad Anis-ur-Rehman</i>	2023

ACS Omega , Volume 8, Issue 11, Pages 9797-9806

Impact Factor: 4.132 | **Quartile:** 2 | **Citations:** 12

DOI: 10.1021/acsomega.2c05859

Two-dimensional double transition metal carbides as superior bifunctional electrocatalysts for overall water splitting

2022

Syedah Afsheen Zahra M. Waqas Hakim Muhammad Adil Mansoor Syed Rizwan Hussain

Electrochimica Acta , Volume 434, Article Number 141257

Impact Factor: 7.336 | **Quartile:** 1 | **Citations:** 49

DOI: <https://doi.org/10.1016/j.electacta.2022.141257>

Role of Crystallographic Orientation of β -Sn Grain on Electromigration Failures in Lead-Free Solder Joint: An Overview

2022

Muhammad Nasir Sajid Ullah Butt Muhammad Adil Mansoor Niaz Bahadur Khan Shahid Bashir Yew Hoong Wong Turki Alamro Sayed Mohamed Eldin Mohammed Jameel

Coatings , Volume 12(11), Article Number 1752

Impact Factor: 3.236 | **Quartile:** 2 | **Citations:** 7

DOI: <https://doi.org/10.3390/coatings12111752>

Effect of substrate temperature on structural, optical, and photoelectrochemical properties of Ti2S thin films fabricated using AACVD technique

2022

Umar Daraz Tariq Mahmood Ansari Shafique Ahmad Arain Muhammad Adil Mansoor Muhammad Mazhar

Main Group Metal Chemistry , Volume 45, Pages 178-189

Impact Factor: 1.917 | **Quartile:** 3 | **Citations:** 3

DOI: <https://doi.org/10.1515/mgmc-2022-0017>

Extraction of Pb (II) and Co (II) using N,N-diocylsuccinamate based room temperature ionic liquids containing aliphatic and aromatic cations

2022

Nizakat Azra Farzana Nazir Mah Roosh Muhammad Awais Khalid Muhammad Adil Mansoor Sher Bahadar Khan Muddassir Iqbal

Arabian Journal of Chemistry , Volume 15, Issue 9, Article Number 104099

Impact Factor: 6.212 | **Quartile:** 2 | **Citations:** 7

DOI: <https://doi.org/10.1016/j.arabjc.2022.104099>

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>

Green Synthesis of Silver Nanoparticles Using the Plant Extract of Acer oblongifolium and Study of Its Antibacterial and Antiproliferative Activity via Mathematical Approaches

2022

Muhammad Naveed Bakhtawar Bukhari Tariq Aziz Sumera Zaib Muhammad Adil Mansoor Ayaz Ali Khan Muhammad Shahzad Anas S. Dabloo Mashael W.

Alruways Abdulraheem Ali Almalki Abdulhakeem S. Alamri Majid Alhomrani

Molecules , Volume 27, Issue 13, Article Number 4220

Impact Factor: 4.927 | **Quartile:** 2 | **Citations:** 71

DOI: <https://doi.org/10.3390/molecules27134226>

Development of Yttrium and Iron Oxide Thin Films via AACVD Method for Photooxidation of Water

2022

Rafia Bintay Yousaf Shahzad Abu bakar Muhammad Mazhar Muhammad Adil Mansoor Mudassir Iqbal

Russian Journal of Applied Chemistry , Volume 95, Issue 1, Pages 37-45

Impact Factor: 0.850 | **Quartile:** 4 | **Citations:** 4

DOI: 10.1134/S1070427222010050

An Electrochemical Investigation of Methanol Oxidation on Thin Films of Nickel Oxide and Its Composites with Zirconium and Yttrium Oxides

2022

Karishma Mahmood Muhammad Adil Mansoor Mudassir Iqbal Abul Kalam Javed Iqbal Asim Jilani S. Wageh

Crystals , Volume 12(4), Article Number 534

Impact Factor: 2.589 | **Quartile:** 2 | **Citations:** 10

DOI: <https://doi.org/10.3390/cryst12040534>

Fabrication of Metal (Cu and Cr) Incorporated Nickel Oxide Films for Electrochemical Oxidation of Methanol

2021

Rimsha Liaquat Muhammad Adil Mansoor Javed Iqbal Asim Jilani Sehar Shakir Abul Kalam S. Wageh

Crystals , Volume 11(11), Article Number 1398

Impact Factor: 2.589 | **Quartile:** 2 | **Citations:** 29
DOI: <https://doi.org/10.3390/cryst11111398>

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>

A Tri-metallic (Mn-Co-Ti) Oxide Photoanode with Improved Photo-conversion Efficiency

2021

Muhammad Adil Mansoor Khadijah Hamzah Rabia Naeem Mohd Nashrul Bin Mohd Zubir Nor Afifah Yahaya Farazila Binti Yusof Shaifulazuar Bin Rozali Zarina Binti Aspanut Huang Nay Ming
Russian Journal of Inorganic Chemistry, Volume 66, No. 6, Pages 806-813

Impact Factor: 1.667 | **Quartile:** 3 | **Citations:** 8
DOI: <https://doi.org/10.1134/S0036023621060139>

Fabrication, characterization, and photocatalytic performance of ternary cadmium chalcogenides CdIn₂S₄ and Cd₇.23Zn₂.77S₁₀-ZnS thin films

2021

Umar Daraz Tariq Mahmood Ansari Shafique Ahmad Arain Muhammad Adil Mansoor Muhammad Mazhar Fayaz Hussain
Main Group Metal Chemistry, Volume 44, No. 1, Pages 39-50

Impact Factor: 1.917 | **Quartile:** 3 | **Citations:** 6
DOI: <https://doi.org/10.1515/mgmc-2021-0008>

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>

Structural, Topographical and Optoelectronic Properties of ZnIn₂S₄ Thin Films Deposited from Dual Source Using Aerosol Assisted Chemical Vapour Deposition (AACVD) Technique

2020

Umar Daraz Tariq Mahmood Ansari Shafique Ahmad Arain Muhammad Adil Mansoor Muhammad Mazhar
Journal of the Chemical Society of Pakistan, Volume 42, No. 2, Pages 155-163

Impact Factor: 0.536 | **Quartile:** 4
DOI: NIL

Open-cell copper foam joining: joint strength and interfacial behaviour

2019

Farazila Yusof Tadashi Ariga Nur Amirah Mohd Zahri A. S. Md. Abdul Haseeb Muhammad Adil Mansoor Nazatul Liana Sukiman
Materials Science and Technology, Volume: 35, Issue: 16, Pages 2004-2012

Impact Factor: 1.835 | **Quartile:** 2 | **Citations:** 5
DOI: DOI:10.1080/02670836.2019.1661649

Study of solvent effect on structural and photoconductive behavior of ternary chalcogenides InBiS₃-In₂S₃-Bi₂S₃ composite thin films deposited via AACVD

2019

Muhammad Adil Mansoor Umar Daraz Tariq Mahmood Ansari Shafique Ahmad Arain Muhammad Mazhar
Main Group Metal Chemistry, Volume 42, Issue 1, Pages 102-112

Impact Factor: 0.558 | **Quartile:** 4
DOI: NA

Propitious Escalation in Photocurrent Response from MnZnO₃ Thin Films Using Methanol as Sacrificial Agent

2019

Muhammad Adil Mansoor SU PEI LIM FARAZILA BINTI YUSOF Huang Nay Ming
Journal of Electronic Materials, Volume 48, Issue 7, pp 4375–4380

Impact Factor: 1.774 | **Quartile:** 3 | **Citations:** 3
DOI: 10.1007/s11664-019-07224-4

- Optimization of conditions for improved solar energy harvesting application by hydrothermally grown TiO₂ nanorods** 2019
Farazila Binti Yusof Huang Nay-Ming Muhammad Adil Mansoor
Journal of the Iranian Chemical Society, Volume 16, Issue 5, Pages 1113-1122
Impact Factor: 1.552 | **Quartile:** 3 | **Citations:** 7
DOI: 10.1007/s13738-018-01586-y
- Synthesis and characterization of magnetite nano particles with high selectivity using in-situ precipitation method** 2019
Harith Rashid Bilal Haider Rizwan Nasir Sharifah Bee Abd Hamid Aymn Abdulrahman Muhammad Adil Mansoor
SEPARATION SCIENCE AND TECHNOLOGY, -
Impact Factor: 1.718 | **Quartile:** 3 | **Citations:** 71
DOI: 10.1080/01496395.2019.1585876
- Pyrochlore-structured Y₂Ti₂O₇-2TiO₂ composite thin films for photovoltaic applications** 2019
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, -
Impact Factor: 1.307 | **Quartile:** 2 | **Citations:** 21
DOI: 10.1007/s41779-019-00329-3
- Lanthanum titanium oxide composite from a single molecular cluster: Non-enzymatic mesoporous electrochemical nitrite ion sensor** 2018
Muhammad Adil Mansoor V. McKee F.B. Yusof S.P. Lim M.N.M. Zubir H.N. Ming M. Mazhar
Polyhedron, Polyhedron 156 (2018) 332–341
Impact Factor: 2.284 | **Quartile:** 2 | **Citations:** 23
DOI: 10.1016/j.poly.2018.09.045
- Iron–manganese–titanium (1 : 1 : 2) oxide composite thin films for improved photocurrent efficiency** 2017
Muhammad Adil Mansoor Khadija Munawar S. P. Lim N.-M. Huang M. Mazhar M. J. Akhtar M. Siddique
New Journal of Chemistry, Volume 41, Pages 7322-7330
Impact Factor: 3.201 | **Quartile:** 2 | **Citations:** 20
DOI: 10.1039/c7nj00513j
- Photoelectrochemical water splitting over mesoporous CuPbI₃ films prepared by electrophoretic technique** 2017
Muhammad Adil Mansoor Rabia Naeem Rosiyah Yahya Mohd Asri Mat Teridi Mehran Sookhakian Asad Mumtaz Muhammad Mazhar
Monatshefte für Chemie, Volume: 148 Issue: 6 Pages: 981-989
Impact Factor: 1.285 | **Quartile:** 3 | **Citations:** 17
DOI: 10.1007/s00706-016-1880-x
- Single step fabrication of CuO–MnO–2TiO₂ composite thin films with improved photoelectrochemical response** 2017
Khadija Munawar Muhammad Adil Mansoor Wan Jeffrey Basirun Misni Misran Nay Ming Huang Muhammad Mazhar
RSC Advances, Volume 7, pages 15885-15893
Impact Factor: 2.936 | **Quartile:** 2 | **Citations:** 68
DOI: 10.1039/c6ra28752b
- Cadmium-manganese oxide composite thin films: Synthesis, characterization and photoelectrochemical properties** 2017
Muhammad Adil Mansoor M. Ebadi M. Mazhar N.M. Huang L.K. Mun M. Misran W.J. Basirun
Materials Chemistry and Physics, Volume 186, Pages 286-294
Impact Factor: 2.210 | **Quartile:** 2 | **Citations:** 26
DOI: 10.1016/j.matchemphys.2016.10.055
- Effect of synergic cooperation on optical and photoelectrochemical properties of CeO₂-MnO composite thin films** 2016
Muhammad Mazhar Mehdi Ebadi Huang Nay Ming Mohd Asri Mat Teridi Lo Kong Mun Muhammad Adil Mansoor
New Journal of Chemistry, Volume 40, Issue 6, Pages 5177-5184
Impact Factor: 3.269 | **Quartile:** 2 | **Citations:** 22
DOI: 10.1039/c5nj03446a
- Photoelectrocatalytic activity of Mn₂O₃-TiO₂ composite thin films engendered from a trinuclear molecular complex** 2016
Muhammad Mazhar Alagarsamy Pandikumar Hamid Khaledi Huang Nay Ming Zainudin Arifin Muhammad Adil Mansoor
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Volume 41, Issue 22, Pages 9267-9275

Impact Factor: 3.582 | **Quartile:** 1 | **Citations:** 40
DOI: 10.1016/j.ijhydene.2016.04.121

Single phased MnZnO₃ solid solution thin films for solar energy harvesting applications 2015

N.M. Huang V. McKee T.A. Nirmal Peiris K.G.U. Wijayantha Z. Arifin M. Misran M. Mazhar Muhammad Adil Mansoor
Solar Energy Materials & Solar Cells, Volume 137, Pages 258-264

Impact Factor: 4.732 | **Quartile:** 1 | **Citations:** 28
DOI: 10.1016/j.solmat.2015.02.006

The synthesis and characterization of a hexanuclear copper-yttrium complex for deposition of semiconducting CuYO₂-0.5Cu(2)O composite thin films 2015

Muhammad Adil Mansoor Sohail Ahmed Wan Jeffrey Basirun Mehran Sookhakian Nay Ming Huang Lo Kong Mun Tilo Söhnel Zainudin Arifin Muhammad Mazhar
New Journal of Chemistry, Volume 39, Issue 2, Pages 1031-1037

Impact Factor: 3.277 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1039/c4nj01602e

Mn₂O₃-4TiO₂ semiconducting composite thin films for photo-electrochemical water splitting 2014

Muhammad Mazhar Vickie McKee Zainudin Arifin Muhammad Adil Mansoor
Polyhedron, Volume 75 Pages 135-140

Impact Factor: 2.011 | **Quartile:** 2 | **Citations:** 39
DOI: 10.1016/j.poly.2014.03.018

Semiconducting composite oxide Y₂CuO₄?5CuO thin films for investigation of photoelectrochemical properties 2014

Sohail Ahmed Muhammad Mazhar Tilo Söhnel Hamid Khaled Wan Jeffrey Basirun Zainudin Arifin, Shahzad Abubakar Bakhtiar Muhammad Muhammad Adil Mansoor
Dalton Transactions, Volume 43 Issue 22 Pages 8523-8529

Impact Factor: 4.197 | **Quartile:** 1 | **Citations:** 21
DOI: 10.1039/c4dt00719k

Perovskite-Structured PbTiO₃ Thin Films Grown from a Single-Source Precursor 2013

Azhani Ismail Rosiyah Yahya Zainudin Arifin Edward R. T. Tiekink Ng Seik Weng Muhammad Mazhar Ali Reza Esmaeili Muhammad Adil Mansoor
Inorganic Chemistry, Volume 52, Issue 10, Pages 5624-5626

Impact Factor: 4.794 | **Quartile:** 1 | **Citations:** 35
DOI: 10.1021/ic302772b

Hexagonal structured Zn(1-x)Cd_xO solid solution thin films: synthesis, characterization and applications in photoelectrochemical water splitting 2013

Muhammad Ali Ehsan Vickie McKee Nay-Ming Huang Mehdi Ebadi Zainudin Arifin Wan Jeffrey Basirun Muhammad Mazhar Muhammad Adil Mansoor
Journal of Materials Chemistry A, Volume 1, Issue 17, Pages 5284-5292

Impact Factor: 0 | **Citations:** 35
DOI: 10.1039/c3ta10558j

Cobalt titanate-cobalt oxide composite thin films deposited from heterobimetallic precursor 2012

Muhammad Ali Ehsan Muhammad Mazhar Asif Ali Tahir Mazhar Hamid K. G. Upul Wijayantha Muhammad Adil Mansoor
Applied Organometallic Chemistry, Volume 26, Issue 9, Pages 493-498

Impact Factor: 2.011 | **Quartile:** 2 | **Citations:** 20
DOI: 10.1002/aoc.2893

Heptanuclear zinc cluster for growth of zincite and manganese-doped zincite thin films for sensor applications 2012

Muzammil Hussain Muhammad Nawaz Tahir Zainudin Arifin Muhammad Mazhar Muhammad Adil Mansoor
MONATSHFTE FÜR CHEMIE, Volume 144, Issue 3, Pages 285-294

Impact Factor: 1.629 | **Quartile:** 2 | **Citations:** 6
DOI: 10.1007/s00706-012-0824-3

Conference Proceedings

keynote speaker: One step fabrication of Photoanode thin films for Efficient Oxidation of Water Splitting <i>Muhammad Adil Mansoor</i> <i>2nd International Conference on Emerging Horizons in Science and Technology 21-22 November, 2024 (ICEHST-2024)</i> , res.country(177,) Citations: N/A DOI: https://ucp.edu.pk/2nd-international-conference-on-emerging-horizons-in-science-and-technology-21-22-november-2024-icehst-2024/	2024
keynote speaker: Morphology controlled fabrication of Ceramic thin films via Aerosol Assisted Chemical Vapour Deposition (AACVD) <i>Muhammad Adil Mansoor</i> <i>3rd International Conference on Trends and Research in Chemistry (TRIC-2024)</i> , res.country(177,) Citations: N/A DOI: https://tric.ue.edu.pk/	2024
keynote speaker: Facile Synthesis of Photoanodic Materials for energy Harvesting applications <i>Muhammad Adil Mansoor</i> <i>International Conference on Materials Science and Device Engineering (ICMSDE2024)</i> , res.country(48,) Citations: N/A DOI: http://icmsde.conferences.ac.cn/speakerDetail/2024/en?id=25	2024
keynote speaker: One step fabrication of thin films for Oxygen Evolution reaction <i>Muhammad Adil Mansoor</i> <i>International Conference on Material Chemistry and Industrial Technologies-MCIT</i> , res.country(177,) Citations: N/A DOI: https://sites.uol.edu.pk/mcit/index	2024
Fabrication of band gap engineered nanostructured tri-metallic (Mn-Co-Ti) oxide thin films <i>Muhammad Adil Mansoor Farazila Binti Yusof Huang Nay-Ming</i> <i>Advanced Nanotechnology in Engineering and Medical Sciences (ANEMS) International Conference 2017</i> , res.country(157,) Citations: N/A DOI: 10.1063/1.5030884	2017

Book Chapters

Oxide-Based Nano-ceramic Materials for Hydrogen Evolution Reactions: Mechanisms, Electrochemical Parameters, Material Types, and Synthesis Methods <i>Muhammad Mohsin Khan Muhammad Adil Mansoor Mudassir Iqbal Ravi Kumar Sharma</i> In: <i>Advances in Sustainability Science and Technology</i> , Chapter: 02, 1st Edition, Pages:37-69 Citations: N/A DOI: https://doi.org/10.1007/978-981-96-1570-4_3	2025
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Reviewed Papers for Journals	
Impact Factor: 4.4	
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Impact Factor: 3.6	
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Reviewed Papers for Journals	
Impact Factor: 5.7	
International Journal of Hydrogen Energy	2024
Reviewed Papers for Journals	
Impact Factor: 8.1	
International Journal of Hydrogen Energy	2024
Reviewed Papers for Journals	
Impact Factor: 8.1	
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Reviewed Papers for Journals	
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Energy Technology	2024
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Impact Factor: 4.02	
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Reviewed Papers for Journals	
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Reviewed Papers for Journals	
Impact Factor: 4.1	
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Reviewed Papers for Journals	
Impact Factor: 2.1	

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New Journal of Chemistry Reviewed Papers for Journals Impact Factor: 3.925	2024
Journal of Solid State Electrochemistry Reviewed Papers for Journals Impact Factor: 2.5	2024
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Journal of Materials Science Reviewed Papers for Journals Impact Factor: 4.682	2024
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New Journal of Chemistry Reviewed Papers for Journals Impact Factor: 3.925	2024
International Journal of Hydrogen Energy Reviewed Papers for Journals Impact Factor: 7.2	2023
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New Journal of Chemistry Reviewed Papers for Journals Impact Factor: 3.3	2023
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Journal of Taibah University for Science Reviewed Papers for Journals	2023

