

Manzar Sohail

Professor

School of Natural Sciences

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About

Dr. Manzar Sohail is working as Professor in the School of Natural Sciences. Dr. Manzar Sohail has a PhD in Chemistry. Dr. Manzar Sohail has published 172 research articles & conference papers having a citation count of 4163, carried out 7 projects and filed 1 intellectual property.

Qualifications

PhD in Chemistry Monash University , Australia	2005 - 2009
MPhil in Chemistry Quaid-i-Azam University , Pakistan	2001 - 2003
MSc in Chemistry Government College University Lahore , Pakistan	1998 - 2000

Experience

Professor School of Natural Sciences	2022- Present
Professor School of Natural Sciences	2021 - 2022
Associate Professor School of Natural Sciences	2018 - 2021
Research Scientist King Fahd University of Petroleum and Minerals , Dhahran 31261 Saudi Arabia	2014 - 2018
Postdoctoral research Fellow University of the Sunshine Coast , Sippy Downs, Australia	2011 - 2013
Postdoctoral Research Fellow Curtin University of Technology , Bentley 6102, WA, Australia	2010 - 2011
Sessional Teacher Monash University , Clayton, Victoria Australia	2006 - 2008
Research assistant Quaid-i-Azam University Islamabad , Islamabad, Pakistan	2004 - 2005

Awards

Publication Award Publication Award	2008
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Research Projects

National Projects

Ablation resistant and low thermal conductive SiO2 coated carbon fiber for advanced composites. Funding Agency: NESCOM Amount: PKR 640,000.00 Status: Approved_inprocess	
Solid-state Zn-air/ion batteries for Green Energy Storage: A reliable / robust replacement of Li-Ion Batteries Funding Agency: NUST Amount: PKR 65,000,000.00 Status: Approved_inprocess	2023
Synthesis of highly porous steam-activated carbon spheres for toxic gases and chemical adsorption Funding Agency: NESCOM Amount: PKR 250,000.00 Status: Approved_inprocess	2023
Synthesis of Nitrogen rich highly porous graphene cross-linked melamine formaldehyde carbon cryogel for microwave and gaseous adsorption Funding Agency: NESCOM Amount: PKR 800,000.00 Status: Approved_inprocess	2023
Rational Designed high power and long-life Electrodes for Zn-Br2 flow battery Funding Agency: Pakistan Science Foundation (PSF) Amount: PKR 8,745,000.00 Status: Approved_inprocess	2024
Construction of 2D-2D face-to-face S-Scheme MXene-based dual heterojunction with enhanced visible-light-driven photocatalytic H2 generation and CO2 reduction Funding Agency: HEC Amount: PKR 9,660,000.00 Status: Approved_inprocess	2022
Photocatalytic Reduction of CO2 to Methanol using (M=Mn, Cu, Zn, Cd) MFeO4/TiO2 (P-n) Hetrojunctions under Visible Light Irradiation Funding Agency: HEC Amount: PKR 437,322.00 Status: Completed	2019

International Projects

Research Articles

Metal-organic frameworks derived cobalt doped-calcium oxide for thermochemical energy storage <i>Muhammad Zeeshan Khalid Basit Ali Manzar Sohail Faheem Amin</i> <i>Journal of Energy Storage</i> , Volume 132, Part A, Article Number 117683 Impact Factor: 9.800 Quartile: 1 DOI: https://doi.org/10.1016/j.est.2025.117683	2025
Bimetallic metal-organic frameworks as versatile electrocatalysts for water splitting in neutral and alkaline environments <i>Syed Arfan Haider Tehseen Mushtaq Munazza Shahid Muhammad Altaf Ayman Nafady Ghayoor Abbas Chotana Manzar Sohail Shahid Rasul Raja Shahid Ashraf Bakhtawar Sajjad</i> <i>Fuel</i> , Volume:397, Article Number 135488 Impact Factor: 6.700 Quartile: 1 DOI: https://doi.org/10.1016/j.fuel.2025.135488	2025
Next-generation stimuli-responsive smart membranes: Developments in oil/water separation <i>Aamal Rehman Manzar Sohail Nadeem Baig Kai Yuan Ahmed Abdala Md A. Wahab</i> <i>Advances in Colloid and Interface Science</i> , Volume 341, Article Number 103487 Impact Factor: 15.900 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1016/j.cis.2025.103487	2025

Nature-Inspired Nanoarray Catalyst toward Balanced Heat and Mass Transport in Photothermal Catalysis <i>Kewei Yu Kai Feng Mujin Cai Hai Li Yuxuan Zhou Jiahui Shen Shuang Liu Zhijie Zhu Manzar Sohail Valeri Tolstoy Xingda An Chaoran Li Le He</i> <i>ACS Nano</i> , Volume:19, Issue:19, Pages 18674-18685 Impact Factor: 15.8 Quartile: 1 DOI: https://doi.org/10.1021/acsnano.5c03061	2025
Demonstrating Donor-Acceptor Covalent Conjugate of Polythiophene and Perylene Diimide as an All-Organic Photocatalyst for Enhanced Light-Driven H₂O₂ Production <i>Sana Iqbal Faseeh Akbar Muhammad Ahsan Salar Tahir Sajjad Butt Ammar Ahmed Khan Manzar Sohail Basit Yameen</i> <i>ACS Applied Materials and Interfaces</i> , Volume:17, Issue:19, Pages 28609-28621 Impact Factor: 8.300 Quartile: 1 DOI: https://doi.org/10.1021/acsam.4c22745	2025
Enhanced Photoelectrochemical Water Splitting Using Bismuth/Bismuth Selenide Nanocomposites <i>Sumayyah Khan Manzar Sohail Geoffrey Will Anthony O' Mullane Ahmed Abdala Md A. Wahab</i> <i>Chemistry- An Asian Journal</i> , Volume: 20, Issue: 6, Article Number: e202400858, Pages:13 Impact Factor: 3.500 Quartile: 2 DOI: https://doi.org/10.1002/asia.202400858	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
Nanorectangular NiFe₂O₄ Decorated with CeO₂ Nanoparticles and Modified with Phosphate Ions as an Electrocatalyst for Water Electrolysis <i>Ifra Urooj Manzar Sohail Waqas Ali Shah Hassan Ali Xingda An Shuang Liu Md A. wahab</i> <i>ACS Applied Nano Materials</i> , Volume 8, No. 8, Pages 3769-3786 Impact Factor: 5.300 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1021/acsanm.4c06065	2025
Single Precursor-Derived Sub-1 nm MoCo Bimetallic Particles Decorated on Phosphide-Carbon Nitride Framework for Sustainable Hydrogen Generation <i>Sadam Hussain Manzar Sohail Nadia Shahzad Geoffrey Will Anthony P. O'Mulane Mohammad Rezaul Karim Md Abdul Wahab Ibrahim A. Alnaser Ahmed Abdala</i> <i>ACS Applied Materials and Interfaces</i> , Volume:17, Issue:3, Pages 4728-4743 Impact Factor: 8.300 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1021/acsam.4c12577	2025
Designing an innovative 2D/2D step scheme α-Fe₂O₃/BiOBr/MoS₂ ternary integrated heterojunction with unparalleled visible-light-induced remarkable photocatalytic H₂ evolution <i>Rabia Nawaz Muhammad Saad Ali Bahadur Shahid Iqbal Ammar Zidan Muhammad Shuaib Khan Rabia Liaquat Manzar Sohail Sajid Mahmood Mohammed T. Alotaibi</i> <i>International Journal of Hydrogen Energy</i> , Volume:99, Page:112-122 Impact Factor: 8.100 Quartile: 1 Citations: 13 DOI: https://doi.org/10.1016/j.ijhydene.2024.12.201	2025
Polyoxometalates based transition metal sulfide composites for hydrodesulfurization and hydrogen evolution reaction <i>Ghulam Murtaza Tayyaba Najam Naseem Ahmad Khan Muhammad Sher Muhammad Kashif Aslam Ibrahim A. Shaaban Muhammad Altaf Nazir Manzar Sohail Syed Shoaib Ahmad Shah</i> <i>International Journal of Hydrogen Energy</i> , Volume 98, Pages 527-541 Impact Factor: 8.100 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1016/j.ijhydene.2024.12.048	2025
Synthesis and characterization of a new Archimedean rhombicuboctahedral polyoxometalate Rb_{2.5}[(Co(H₂O)₆)_{0.5}(PW₁₂O₄₀)]₁₆H₂O: Probing magnetic characteristics and electrochemical water splitting catalysis <i>Ibsa Naseer Kanwar Rehan Maliha Asma Colin McMillen Andrei Sokolov Ayman Nafady Manzar Sohail</i> <i>Journal of Molecular Structure</i> , Volume 1319, Part 2 , 5 January 2025, 139452 Impact Factor: 4.000 Quartile: 2 Citations: 1 DOI: https://doi.org/10.1016/j.molstruc.2024.139452	2025

Facile Synthesis of Selenium Nanoparticles for Enhanced Oxygen Evolution Reaction: Insights into Electrochemical and Photoelectrochemical Catalysis <i>Sumaya Ishtiaq Ghulam Hussain Hafiza komal Zafar Rabia Liaquat Abdullah A. Al-Kahtani Ayman Nafady Manzar Sohail Shahid Rasul</i> <i>ACS Omega</i> , Volume 10, Issue 1, Pages 520-528 Impact Factor: 3.700 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1021/acsomega.4c07016	2025
Tuning the Wettability of the PVDF Membrane using the PVA-Stabilized TA-UiO-66-NH₂ MOF Membranes to Separate Layered Oil-Water Mixture and Surfactant-Stabilized Emulsion <i>Muhammad Fiaz Sumayyah Khan Nadeem Baig Manzar Sohail</i> <i>Chemistry - An Asian Journal</i>, Volume: 20, Issue:07, Article Number: e202401430, Pages:11 Impact Factor: 3.500 Quartile: 2 Citations: 4 DOI: 10.1002/asia.202401430	2024
Synthesis and supercapacitor application studies of aluminum- lanthanum co-Doped bismuth oxide composite with N-doped reduced graphene oxide <i>Dalal A. Alshammari Mustabshira Ikram Amal BaQais Salamat Ullah Khan Niazi Amna Irshad Mohammed A. Amin Manzar Sohail Muhammad Farooq Warsi</i> <i>Materials Science and Engineering: B</i>, Volume 310, Article Number 117720 Impact Factor: 3.900 Quartile: 2 Citations: 1 DOI: https://doi.org/10.1016/j.mseb.2024.117720	2024
Holmium doped La₂O₃ and its composite with graphitic carbon nitride for the removal of atrazine and chlortpyrifos from wastewater <i>Aafia Aslam Norah Alomayrah M. Naziruddin Khan Manzar Sohail Muhammad Imran Din Muhammad Farooq Warsi Mamoon Anwar</i> <i>Desalination and Water Treatment</i> , Volume 320, Article Number 100813 Impact Factor: 1.000 Quartile: 4 Citations: 3 DOI: https://doi.org/10.1016/j.dwt.2024.100813	2024
Ni–Cu Bimetallic Oxides with Tailored Morphology for High-Performance Alkaline Water Oxidation <i>Anila Tabassum Sadia Ata Yulong Ding Ijaz Ul Mohsin Sajjad Ahmed Khan Leghari Abdullah A. Al-Kahtani Ayman Nafady Manzar Sohail</i> <i>ChemistrySelect</i> , Volume:9, Issue:39, Article Number e202403451 Impact Factor: 1.900 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1002/slct.202403451	2024
Tailored Flower-Like Ni-Fe-MOF-Derived oxide Composites: Highly active and durable electrocatalysts for overall water splitting <i>Zoya Iqbal Sonadia Waheed Miran Anwar Ul-Hamid Manzar Sohail Fahad Azad</i> <i>Fuel</i> , Volume:372, Article Number:132112 Impact Factor: 6.7 Quartile: 1 Citations: 10 DOI: 10.1016/j.fuel.2024.132112	2024
Optimizing electrochemical power generation: Harnessing synergies and surface innovation in NiTe-modified MOF nanoarchitectures <i>Hafiza Komal Zafar Syed Shoaib Ahmad Shah Manzar Sohail Raja Shahid Ashraf Ayman Nafady Geoffrey Will Md A. Wahab</i> <i>Journal of Power Sources</i> , Volume 612, Article Number 234827 Impact Factor: 8.100 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1016/j.jpowsour.2024.234827	2024
Catalytic Application of POSS–COF–[(Co(acetate)₂] for Selective Reduction of Nitriles to Amines <i>Anosha Rubab Manzar Sohail Riyadh H Alshammari Ayman Nafady Md A. Wahab Ahmed Abdala</i> <i>Catalysts</i> , Volume 14(9), Article Number 557 Impact Factor: 3.800 Quartile: 2 Citations: 1 DOI: https://doi.org/10.3390/catal14090557	2024
Advancing Catalysts by Nanoconfinement and Catalysis for Enhanced Hydrogen Production from Magnesium Borohydride: A Review <i>Md A. Wahab Ifra Urooj Manzar Sohail Mohammad Rezaul Karim Ibrahim A. Alnaser Ahmed Abdala Rezwanul Haque</i> <i>Chemistry-An Asian Journal</i> , Volume19, Issue16, Article Number e202400174 Impact Factor: 3.500 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1002/asia.202400174	2024
Anisotropic Plasmon Resonance Enables Spatially Controlled Photothermal and Photochemical Effects in Hot Carrier-Driven Catalysis <i>Jiaqi Wang Zhijie Zhu Kai Feng Shuang Liu Yuxuan Zhou Ifra Urooj Jiari He Zhiyi Wu Jiahui Shen Xu Hu Zhijie Chen Xudong Dong Manzar Sohail Yanyun M. Jinxing Chen Chaoran Li Xingda An Le He</i>	2024

Impact Factor: 5.500 | Quartile: 2 | Citations: 3

DOI: <https://doi.org/10.1002/cjoc.202400177>

Highly active iron oxide@NC catalyst derived from the iron acetate/polyacrylonitrile threads: Driving nitroarene conversion to value-added amines

2024

Anosha Rubab Muhammad Sharif Rauf Razzaq Ralf Jackstell Ayman Nafady Jana Weiß Manzar Sohail

Journal of Applied Polymer Science, Volume:141, Issue:41, ID:e56062, Pages:11

Impact Factor: 2.700 | Quartile: 2 | Citations: 3

DOI: <https://doi.org/10.1002/app.56062>

Synthesis and characterization of Cu and Tb substituted NiFe₂O₄@MXene nanocomposite as a new photocatalyst for removal of organic dyes and drugs from industrial wastewater

2024

Sidra tul Shafa Beriham Basha Z. A. Alrowaili Muhammad Imran Manzar Sohail M.S. Al-Buriah Muhammad Shahid Muhammad Farooq Warsi

Results in Physics, Volume 63, Article Number 107844

Impact Factor: 4.400 | Quartile: 1 | Citations: 10

DOI: <https://doi.org/10.1016/j.rinp.2024.107844>

Visible light driven (VLD) reduced TiO₂-x nanocatalysts designed by inorganic and organic reducing agent-mediated solvothermal methods for electrocatalytic and photocatalytic applications†

2024

Sadaf Jamil Naila Jabeen Fatima Sajid Latif U. Khan Afia Kanwal Manzar Sohail Muhammad Zaheer Zareen Akhter

RSC Advances, Volume:14, Issue:33, Pages:24092-24104

Impact Factor: 3.9 | Quartile: 2 | Citations: 1

DOI: 10.1039/D4RA03402C

Efficient Adsorption of Methylene Blue Using a Hierarchically Structured Metal–Organic Framework Derived from Layered Double Hydroxide

2024

Ghulam Murtaza Syed Shoaib Ahmad Shah Ghayoor Abbas Chotana Ayman Nafady Md A. Wahab Manzar Sohail Asad Mumtaz

ACS Omega, Vol:9, Issue:14, Pages:16334-16345

Impact Factor: 4.1 | Quartile: 2 | Citations: 10

DOI: 10.1021/acsomega.3c10524

2D Nanostructured MXene-Based Silver Nanoparticles for Photocatalytic Degradation of Safranin Dye

2024

Asim Riaz Munawar Alam Faiza Wahad Manzar Sohail Muhammad Altaf Syed Mustansar Abbas Muhammad Faheem

Catalysts, Volume 14, Issue 3, Article Number: 201

Impact Factor: 3.9 | Quartile: 2 | Citations: 10

DOI: 10.3390/catal14030201

Novel and efficient Bi-doped CoTe nano-solar evaporators embedded on leno weave cotton gauze for efficient solar-driven desalination

2024

Nadeem Baig Manzar Sohail Ayman Nafady Syed Shoaib Ahmad Shah Anwar Ul-Hamid Panagiotis Tsiakaras Javeria Tabassum

Journal of Colloid and Interface Science, Volume 658, Pages 758-771

Impact Factor: 9.4 | Quartile: 1 | Citations: 11

DOI: 10.1016/j.jcis.2023.12.089

Efficient charge separation and transportation using 1D iron-sulfide@titania heterojunctions as photoanodes for improved interface stability and photoelectrochemical activity to produce hydrogen

2024

Noor Alam Fazeelat Rehman Manzar Sohail Asad Mumtaz

New Journal of Chemistry, Volume 48, Issue 9, Pages 3998-4008

Impact Factor: 3.300 | Quartile: 2 | Citations: 3

DOI: 10.1039/D3NJ04753A

Recent trends in wastewater treatment by using metal-organic frameworks (MOFs) and their composites: A critical view-point

2024

Syed Shoaib Ahmad Shah Manzar Sohail Ghulam Murtza Amir Waseem Aziz ur Rehman Iftikhar Hussain Muhammad Sohail Bashir Saleh S. Alarfaji Ahmed

M. Hassan Muhammad Altaf Nazir Muhammad Sufyan Javed Tayyaba Najam

Chemosphere, Volume 349, Article Number 140729

Impact Factor: 8.8 | Quartile: 1 | Citations: 71

DOI: <https://doi.org/10.1016/j.chemosphere.2023.140729>

Engineering Mn-Doped CdS Thin Films Through Chemical Bath Deposition for High-Performance Photoelectrochemical Water Splitting

2024

Nimrah Tahir Amna Altaf Nadeem Baig Ayman Nafady Anwar Ul-Hamid Syed Shoaib Ahmad Shah Panagiotis Tsiakaras Manzar Sohail

Chemistry-An Asian Journal, Article Number: e202301100, Pags: 11

Impact Factor: 4.1 | Quartile: 2 | Citations: 5

- Ferrocene-Boosted Nickel Sulfide Nanoarchitecture for Enhanced Alkaline Water Splitting** 2024
Hafiza Komal Zafar Raja Shahid Ashraf Muhammad Arfan Mohammad Rezaul Karim Md A. Wahab Manzar Sohail Abeera Hassan Chemistry-An Asian Journal , Article Number: e202301051, Pages: 11
Impact Factor: 4.1 | Quartile: 2 | Citations: 3
DOI: 10.1002/asia.202301051
- Photocatalytic degradation of methylene blue dye and electrocatalytic water oxidation over copper(II) complex with mixed ligands** 2024
Mudassir Jamil Muhammad Nadeem Akhtar Muhammad Imran Ayesha Javaid Hafiza Komal Zafar Manzar Sohail Murad A. AIDamen Magdalena Fitta Monther A. Khanfar Raed A. Al-Qawasmeh Journal of Photochemistry and Photobiology A: Chemistry, Volume 446, Article Number 115095
Impact Factor: 4.3 | Quartile: 2 | Citations: 29
DOI: <https://doi.org/10.1016/j.jphotochem.2023.115095>
- S-doped copper selenide thin films synthesized by chemical bath deposition for photoelectrochemical water splitting** 2023
Hafiza Komal Zafar Manzar Sohail Ayman Nafady Kostya Ken Ostrikov Geoffrey Will Md A. Wahab Anthony O'Mullane Applied Surface Science , Volume 641, Article Number 158505
Impact Factor: 6.7 | Quartile: 1 | Citations: 17
DOI: <https://doi.org/10.1016/j.apsusc.2023.158505>
- Exploring electrochemical and magnetic properties of Fe(III) coordination cluster: An efficient electrocatalyst for water oxidation** 2023
Muhammad Nadeem Akhtar Sumayyah Khan Manzar Sohail Murad A. AIDamen Amin Khan Muhammad Imran Magdalena Fitta Inorganica Chimica Acta , Volume 558, Article Number 121726
Impact Factor: 2.8 | Quartile: 2 | Citations: 1
DOI: <https://doi.org/10.1016/j.ica.2023.121726>
- Heterostructure NiCo-Alloy Nanosheet Embedded Ceria Nanorods: A Highly Efficient Bifunctional Electrocatalyst toward Oxygen Evolution Reaction and Oxygen Reduction Reaction** 2023
Arslan Hameed, Fatima Nasim Nimra Nisar Hassan Ali Ahsanulhaq Qurashi Dalaver H. Anjum Manzar Sohail Muhammad Arif Nadeem Energy & Fuels , Volume 37(22), Pages 17605-17615
Impact Factor: 5.3 | Quartile: 1 | Citations: 12
DOI: <https://doi.org/10.1021/acs.energyfuels.3c02905>
- Enhanced Electrocatalytic Activity of Amorphized LaCoO₃ for Oxygen Evolution Reaction** 2023
Amna Altaf Manzar Sohail Muhammad Altaf Ayman Nafady Muhammad Sher Md A Wahab Chemistry - An Asian Journal , Pages 1-24
Impact Factor: 4.1 | Quartile: 2 | Citations: 3
DOI: 10.1002/asia.202300870
- Boosting the photoexcited charge collection and transportation via BiVO₄/Fe-TiO₂ NRs in Type-II heterojunction for efficient photoelectrochemical water splitting** 2023
Fazeelat Rehman Noor Alam Manzar Sohail Muhammad Ahmad Muhammad Israr Muhammad Imran Irshad Dr Asad Mumtaz Journal of Photochemistry and Photobiology A: Chemistry, Volume 444, Article Number: 114956
Impact Factor: 5.14 | Quartile: 2 | Citations: 9
DOI: 10.1016/j.jphotochem.2023.114956
- A facile two-step hydrothermal preparation of 2D/2D heterostructure of Bi₂WO₆/WS₂ for the efficient photodegradation of methylene blue under sunlight** 2023
Muhammad Fiaz Manzar Sohail Ayman Nafady Geoffrey Will Md A Wahab Environmental Research , Volume 234, Article Number 116550
Impact Factor: 8.3 | Quartile: 1 | Citations: 24
DOI: <https://doi.org/10.1016/j.envres.2023.116550>
- Fe₃O₄ nanochips loaded MXenes/g-C₃N₄ nanocomposite for ultrasensitive electrochemical detection of zinc (II), cadmium (II), lead (II), copper (II) and mercury (II) metal ions** 2023
Mehwish Akhtar Manzar Sohail Muhammad Farooq Warsi Mohamed M. Ibrahim Mohammed A. Amin Muhammad Shahid FlatChem , Volume 41, Article Number: 100537
Impact Factor: 6.2 | Quartile: 2 | Citations: 24
DOI: 10.1016/j.flatc.2023.100537
- NiCo₂O₄ nano-needles as an efficient electro-catalyst for simultaneous water splitting and dye degradation** 2023

- Muhammad Bilal Amna Altaf Ehmen Bint-E-Khalid Hafiza Komal Zafar Nimrah Tahir Ayman Nafady Md A. Wahab Syed Shoaib Ahmad Shah Tayyaba Najam Manzar Sohail*
RSC Advances , Volume 13, Issue 34, Pages 23547-23557
Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 11
DOI: 10.1039/D3RA03012A
- Local atomic structure order and electrochemical properties of NiO based nano-catalysts for ethanol sensing at room temperature** 2023
Fatima Sajid Naila Jabeen Latif U.Khan Manzar Sohail Adeela Rehman Zareen Akhtar
Journal of Physics and Chemistry of Solids, Volume 175, Article Number 111201
Impact Factor: 4.383 | **Quartile:** 2 | **Citations:** 7
DOI: <https://doi.org/10.1016/j.jpcs.2022.111201>
- Effect of (Sm, In) Doping on the Electrical and Thermal Properties of Sb₂Te₃ Microstructures** 2023
Nitasha Komal Muhammad Adil Mansoor Muhammad Mazhar Manzar Sohail Zahida Malik Muhammad Anis-ur-Rehman
ACS Omega , Volume 8, Issue 11, Pages 9797-9806
Impact Factor: 4.132 | **Quartile:** 2 | **Citations:** 12
DOI: 10.1021/acsomega.2c05859
- Facile preparation of porous Cu, Ni, and Cu–Ni alloy as electrodes for supercapacitor application** 2023
Nitasha Komal Ghulam Ali Manzar Sohail Muhammad Mazhar Zahida Malik M. Hamid Sarwar Watoo
Materials Chemistry and Physics , Volume 295, Article Number 127060
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 9
DOI: <https://doi.org/10.1016/j.matchemphys.2022.127060>
- Facile Synthesis of PdO.TiO₂ Nanocomposite for Photoelectrochemical Oxygen Evolution Reaction** 2023
Amna Altaf Manzar Sohail Ayman Nafady Rashid G. Siddique Syed Shoaib Ahmad Shah Tayyaba Najam
Molecules , Volume 28, Issue 2, Article Number 572
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 4
DOI: <https://doi.org/10.3390/molecules28020572>
- Improving selective hydrogenation of carbonyls bond in α , β -unsaturated aldehydes over Pt nanoparticles encaged within the amines-functionalized MIL-101-NH₂** 2022
Muhammad Zahid Ahmed Ismail Manzar Sohail Yujun Zhu
Journal of Colloid and Interface Science , Volume 628, Pages 141-152
Impact Factor: 9.965 | **Quartile:** 1 | **Citations:** 24
DOI: <https://doi.org/10.1016/j.jcis.2022.08.067>
- Tuberculosis detection from raw sputum samples using Au-electroplated screen-printed electrodes as E-DNA sensor** 2022
Muhammad Nauman Sharif Saman Toufeeque Manzar Sohail Shah Rukh Abbas
Frontiers in Chemistry , Volume 10, Article Number 1046930
Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 5
DOI: <https://doi.org/10.3389/fchem.2022.1046930>
- Enhanced photoelectrochemical performance of P-doped g-C₃N₄/Zn_{0.5}Cd_{0.5}S heterojunction photocathode for water splitting** 2022
Waseem Zeb Amna Altaf Muhammad Aamir Nadeem Baig Irshad Baig Ayman Nafady Muhammad Sharif Muhammad Sher Manzar Sohail
Journal of Saudi Chemical Society , Volume 26, Issue 6, Article Number 101542
Impact Factor: 4.712 | **Quartile:** 2 | **Citations:** 12
DOI: <https://doi.org/10.1016/j.jscs.2022.101542>
- Selenium Nanoneedles Deposited on a Pencil Graphite Electrode for Hydrazine Sensing** 2022
Sumaya Ishtiaq Manzar Sohail Shahid Rasul Abdul Wasy Zia Lidija Siller Ghayoor Abbas Chotana Muhammad Sharif Ayman Nafady
ACS Applied Nano Materials , ACS Applied Nano Materials
Impact Factor: 6.140 | **Quartile:** 2 | **Citations:** 14
DOI: 10.1021/acsanm.2c02475
- Crystalline and porous CoSe dendrimeric architectures for efficient oxygen evolution reaction** 2022
Muhammad Bilal Rashid Amna Altaf Nadeem Baig Ghayoor Abbas Chotana Raja Shahid Ashraf Shahid Rasul Ayman Nafady Anwar ul Hamid Manzar Sohail
Fuel , Volume 323, Article Number 124324
Impact Factor: 6.609 | **Quartile:** 1 | **Citations:** 17
DOI: 10.1016/j.fuel.2022.124324

Poly(3-hexylthiophene) stabilized ultrafine nickel oxide nanoparticles as superior electrocatalyst for oxygen evolution reaction: Catalyst design through synergistic combination of π-conjugated polymers and metal-based nanoparticles <i>Sunniya Iftikhar Saba Aslam Hatice Duran Senem Çitoglu Katrin Kirchhoff Ingo Lieberwirth Manzar Sohail Basit Yameen</i> <i>Journal of Applied Polymer Science</i> , Volume 139, Issue 29, Article Number e52636 Impact Factor: 3.0 Quartile: 2 Citations: 2 DOI: 10.1002/app.52636	2022
Hydrothermal synthesis and characterization of transition metal (Mn/Fe/Cu) co-doped cerium oxide-based nano-additives for potential use in the reduction of exhaust emission from spark ignition engines <i>Naila Jabeen Latif U. Khan Manzar Sohail Muhammad Zaheer Muhammad Vaqas Afia Kanwal Fatima Sajid Samina Qamar Zareen Akhter Nazish Qadeer</i> <i>RSC Advances</i> , Volume 12, Issue 24, Pages 15564-15574 Impact Factor: 3.9 Quartile: 2 Citations: 6 DOI: 10.1039/D2RA01954J	2022
Solid-state synthesis and process optimization of bone whitlockite <i>Sadaf Batool Zakir Hussain Usman Liaqat Manzar Sohail</i> <i>Ceramics International</i> , Article in Press Impact Factor: 5.2 Quartile: 1 Citations: 8 DOI: https://doi.org/10.1016/j.ceramint.2022.01.267	2022
Ag Functionalized In₂O₃ Derived From MIL-68(In) as an Efficient Electrochemical Glucose Sensor <i>Dooa Arif Zakir Hussain Amna Didar Abbasi Manzar Sohail</i> <i>Frontiers in Chemistry</i> , Volume 10, Article Number 906031 Impact Factor: 5.545 Quartile: 2 Citations: 10 DOI: https://doi.org/10.3389/fchem.2022.906031	2022
Synthesis, characterization, and magnetic / electrochemical properties of Wells-Dawson polyoxometalate containing Ni (II) counter-ion <i>Kanwar Rehan Maliha Asma Toshiyuki Misawa Takerulto Andrei Sokolov M. Sher Syed Ahmad Tirmizi Manzar Sohail</i> <i>Journal of Molecular Structure</i> , Volume 1254, Article Number 132331 Impact Factor: 3.8 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1016/j.molstruc.2022.132331	2022
Doped antimony chalcogenide semiconductor thin films fabrication by physical vapour deposition: elucidation of optoelectronic and electrochemical features <i>Javeria Anwar Khuram Shahzad Ahmad Shaan Bibi Jaffri Manzar Sohail</i> <i>Canadian Metallurgical Quarterly</i> , Pages 1-10 Impact Factor: 1.212 Quartile: 3 Citations: 27 DOI: https://doi.org/10.1080/00084433.2022.2034710	2022
Synthesis and Characterization of a Carbon-Supported Cobalt Nitride Nano-Catalyst <i>Anosha Rubab Nadeem Baig Muhammad Sher Mubarak Ali Anwar Ul-Hamid Naila Jabeen Latif U. Khan Manzar Sohail</i> <i>ChemNanoMat</i> , Volume 8, Issue 2, Article Number e202100428 Impact Factor: 3.154 Quartile: 2 Citations: 10 DOI: https://doi.org/10.1002/cnma.202100428	2022
Synthesis and comparative evaluation of optical and electrochemical properties of efficacious heterostructured-nanocatalysts of ZnSe with commercial and reduced titania <i>Sadaf Jamil Naila jabeen Latif U. Khan Amna Bashir Naveed Janjua Messaoud Harfouche Manzar Sohail Ahmad Hassan Siddique Azhar Iqbal Nazish Qadeer Zareen Akhtar</i> <i>Journal of Alloys and Compounds</i> , Volume 879, Article Number 160449 Impact Factor: 6.371 Quartile: 1 Citations: 10 DOI: https://doi.org/10.1016/j.jallcom.2021.160449	2021
Impedance Spectroscopy Analysis of PbSe Nanostructures Deposited by Aerosol Assisted Chemical Vapor Deposition Approach <i>Sadia Iram Azhar Mahmood Muhammad Fahad Ehsan Asad Mumtaz Manzar Sohail Effat Sitara Shehla Mushtaq Mohammad Azad Malik Syeda Arooj Fatima Rubina Shaheen Nasir Mahmood Ahmad Sajid Nawaz Malik</i> <i>Nanomaterials</i> , Volume 11(11), Article Number 2817 Impact Factor: 5.719 Quartile: 1 Citations: 4 DOI: 10.3390/nano11112817	2021
Covalent organic frameworks: Advances in synthesis and applications <i>Amna Altaf Nadeem Baig Manzar Sohail Muhammad Sher Anwar Ul-Hamid Muhammad Altaf</i>	2021

Enhanced photoelectrochemical water splitting using zinc selenide/graphitic carbon nitride type-II heterojunction interface

2021

Effat Sitara Habib Nasir Asad Mumtaz Muhammad Fahad Ehsan Manzar Sohail Sadia Iram Syeda Aqsa Batool Bukhari Sharif Ullah Tehmina Akhtar Azhar Iqbal

International Journal of Hydrogen Energy, Volume 46, Issue 50, Pages 25424-25435

Impact Factor: 5.816 | Quartile: 2 | Citations: 44

DOI: <https://doi.org/10.1016/j.ijhydene.2021.05.054>

Porous graphene-based electrodes: Advances in electrochemical sensing of environmental contaminants

2021

Nadeem Baig Abdul Waheed Muhammad Sajid Ibrahim Khan Abdel-Nasser Kawde Manzar Sohail Nadeem Baig Abdul Waheed Muhammad Sajid Ibrahim Khan Abdel-Nasser Kawde

Trends in Environmental Analytical Chemistry, Volume 30, Article Number e00120

Impact Factor: 13.622 | Quartile: 1 | Citations: 66

DOI: <http://dx.doi.org/10.1016/j.teac.2021.e00120>

Physical Vapor Deposited [Co:Cd-(dte)2]/SnO2 Dual Semiconductor Systems: Synthesis, Characterization and Photo-Electrochemistry

2021

Khuram Shahzad Ahmad Hajira Siraj Shaan Bibi Jaffri Muhammad Khalid Alamgir Manzar Sohail Rana Farhat Mehmood Misbah ur Rehman Daoud Ali Khuram Shahzad Ahmad Hajira Siraj Shaan Bibi Jaffri Muhammad Khalid Alamgir Rana Farhat Mehmood Misbah ur Rehman Daoud Ali

Journal of Inorganic and Organometallic Polymers and Materials, Volume 31, Pages 2579-2593

Impact Factor: 3.518 | Quartile: 2 | Citations: 15

DOI: <https://doi.org/10.1007/s10904-021-01927-0>

Impedance Spectroscopic Study of Nickel Sulfide Nanostructures Deposited by Aerosol Assisted Chemical Vapor Deposition Technique

2021

Sadia Iram Azhar Mahmood Asad Mumtaz Manzar Sohail Effat Sitara Syeda Aqsa Batool Bukhari Sumia Gul Syeda Arooj Fatima Muhammad Zarrar Khan Rubina Shaheen Sajid Nawaz Malik Mohammad Azad Malik Muhammad Fahad Ehsan

Nanomaterials , Volume 11(5), Article Number 1105

Impact Factor: 5.076 | Quartile: 1 | Citations: 4

DOI: <https://doi.org/10.3390/nano11051105>

Supramolecular assemblies of carbon nanocoils and tetraphenylporphyrin derivatives for sensing of catechol and hydroquinone in aqueous solution

2021

Syeda Aqsa Batool Bukhari Lujun Pan Mehroz Tasawar Muhammad Shahbaz Fareeha Gul Effat Sitara Syeda Aqsa Batool Bukhari Habib Nasir Lujun Pan Mehroz Tasawar Manzar Sohail Muhammad Shahbaz Fareeha Gul Effat Sitara

Scientific Reports , Volume 11, Article Number 5044

Impact Factor: 4.997 | Quartile: 2 | Citations: 25

DOI: <https://doi.org/10.1038/s41598-021-84294-7>

NiRuO₃ Nanoparticles In Situ Grown on Reduced Graphene: Synthesis and Electrocatalytic Activity in the Oxygen Evolution Reaction

2021

Adeel Mehmood Zia Ur-Rehman Muhammad Altaf Raja Shahid Ashraf Manzar Sohail Anvarhusein A. Isab ChemistrySelect , Volume 6, Issue 3, Pages 502-510

Impact Factor: 2.307 | Quartile: 3 | Citations: 5

DOI: <https://doi.org/10.1002/slct.202003711>

Selective Synthesis of Bismuth or Bismuth Selenide Nanosheets from a Metal Organic Precursor: Investigation of their Catalytic Performance for Water Splitting

2021

Malik Dilshad Khan Muhammad Aamir Sanket Bhojate Muhammad Sher Shumaila Razzaque Manzar Sohail Ram K. Gupta Javeed Akhtar Neerish Revaprasadu

Inorganic Chemistry , Volume 60, Issue 3, Pages 1449-1461

Impact Factor: 5.436 | Quartile: 1 | Citations: 51

DOI: <https://doi.org/10.1021/acs.inorgchem.0c02668>

Synthesis and characterization of layered Nb₂C MXene/ZnS nanocomposites for highly selective electrochemical sensing of dopamine

2021

Nimrah Arif Sundus Gul Manzar Sohail Syed Rizwan Hussain Mudassir Iqbal Nimrah Arif Sundus Gul Ceramics International , Volume 47, Issue 2, Pages 2388-2396

Impact Factor: 5.532 | Quartile: 1 | Citations: 128

DOI: <https://doi.org/10.1016/j.ceramint.2020.09.081>

- Physical vapor deposition of SnS: PbS-dithiocarbamate chalcogenide semiconductor thin films: elucidation of optoelectronic and electrochemical features** 2021
Aimen Zafar Khuram Shahzad Ahmad Shaan Bibi Jaffri Manzar Sohail
Phosphorus, Sulfur, and Silicon and the Related Elements, Volume 196, Issue 1, Pages 36-46
Impact Factor: 1.052 | **Quartile:** 4 | **Citations:** 32
DOI: <https://doi.org/10.1080/10426507.2020.1799371>
- Chemosynthesis and physical vapor deposition of acanthite thin films: characterization and electrochemistry exploration** 2020
Khuram Shahzad Ahmad Aimen Zafar Shaan Bibi Jaffri Muhammad Khalid Alamgir Manzar Sohail Rana Farhat Mehmood Misbah ur Rehman Daoud Ali
Results in Physics, Volume 19, Article Number 103647
Impact Factor: 4.476 | **Quartile:** 1 | **Citations:** 26
DOI: <https://doi.org/10.1016/j.rinp.2020.103647>
- Advances in Ultrathin Borophene Materials** 2020
Anosha Rubab Nadeem Baig Muhammad Sher Manzar Sohail
Chemical Engineering Journal, Volume 401, Article Number 126109
Impact Factor: 13.273 | **Quartile:** 1 | **Citations:** 76
DOI: <https://doi.org/10.1016/j.cej.2020.126109>
- Efficient Photoelectrochemical Water Splitting by Tailoring Mos2/Cote Heterojunction in a Photoelectrochemical Cell** 2020
Effat Sitara Habib Nasir Asad Mumtaz Muhammad Fahad Ehsan Manzar Sohail Sadia Iram Syeda Aqsa Batool Bukhari
Nanomaterials, Volume 10(12), Article Number 2341
Impact Factor: 5.076 | **Quartile:** 2 | **Citations:** 29
DOI: [doi:10.3390/nano10122341](https://doi.org/10.3390/nano10122341)
- A Non-enzymatic Electrochemical Sensor for Glucose Detection Based on Ag@TiO2@ Metal-Organic Framework (ZIF-67) Nanocomposite** 2020
Dooa Arif Manzar Sohail Muhammad Arman Liaqat Muzamil Ahmad Khan Tayyaba Noor Muzamil Ahmad Khan Zakir Hussain
Frontiers in Chemistry, Volume 8, Article Number 573510
Impact Factor: 5.221 | **Quartile:** 2 | **Citations:** 72
DOI: <https://doi.org/10.3389/fchem.2020.573510>
- Synthesis, Characterization and Process Optimization of Bone Whitlockite** 2020
Manzar Sohail Sadaf Batool Usman Liaqat Sadaf Batool Zakir Hussain
Nanomaterials, Volume 10(9), Article Number 1856
Impact Factor: 5.076 | **Quartile:** 1 | **Citations:** 27
DOI: <https://doi.org/10.3390/nano10091856>
- Synthesis, characterization and electrochemical investigation of physical vapor deposited barium sulphide doped iron sulphide dithiocarbamate thin films** 2020
Hajira Siraj Khuram Shahzad Ahmad Shaan Bibi Jaffri Manzar Sohail
Micrfoelectronics Engineering, Volume 233, Article Number 111400
Impact Factor: 2.523 | **Quartile:** 2 | **Citations:** 61
DOI: <https://doi.org/10.1016/j.mee.2020.111400>
- Synthesis, Structure, and Properties of the Multinuclear Cobalt Core POM Na14 [Co3O (H2O)(PW9O34) 2]· ~ 29.5 H2O** 2020
Maliha Asma Colin D. Mcmillen Andrei Sokolov Muhammad Sher Munib Ahmed Shafique Naheed Bukhari Syed Ahmed Tirmizi Manzar Sohail Kanwar Rehan
Inorganica Chimica Acta, Volume 509, Article Number 119690
Impact Factor: 2.545 | **Quartile:** 2 | **Citations:** 2
DOI: <https://doi.org/10.1016/j.ica.2020.119690>
- Phyto-inspired and scalable approach for the synthesis of PdO–2Mn2O3: a nano-material for application in water splitting electro-catalysis†** 2020
Khuram Shahzad Ahmad Camila Zequine Manzar Sohail Taghazal Zahra Andrew Guy Thomas Ram K. Gupta Mohammad Azad Malik
RSC Advances, Volume 10(50), Pages 29961–29974
Impact Factor: 3.361 | **Quartile:** 2 | **Citations:** 26
DOI: <https://doi.org/10.1039/D0RA04571C>
- Facile Synthesis of Iron-Titanate Nanocomposite as a Sustainable Material for Selective Amination of Substitued Nitro-Arenes** 2020
Manzar Sohail Nimra Tahir Anosha Rubab Matthias Beller Muhammad Sharif
Catalysts, Volume 10(8), Article Number 871

Impact Factor: 4.146 Quartile: 2 Citations: 7 DOI: https://doi.org/10.3390/catal10080871	
Nanocomposites of cobalt benzene Tricarboxylic acid MOF with rGO: An efficient and robust electrocatalyst for oxygen evolution reaction (OER) <i>Tayyaba Noor Naseem Iqbal Lubna Yaqoob Habib Nasir Manzar Sohail Neelam Zaman Muhammad Usman</i> <i>Renewable Energy</i> , Volume 156, Pages 1040-1054 Impact Factor: 8.001 Quartile: 1 Citations: 136 DOI: https://doi.org/10.1016/j.renene.2020.04.131	2020
A Novel Tin-Doped Titanium Oxide Nanocomposite for Efficient Photo-Anodic Water Splitting <i>Muhammad Sher Rabia Jamil Muhammad Altaf Sultan Akhtar Muhammad Sharif Manzar Sohail Nadeem Baig</i> <i>ACS Omega</i> , Volume 5(12), Pages 6405-6413 Impact Factor: 3.512 Quartile: 2 Citations: 19 DOI: https://doi.org/10.1021/acsomega.9b03876	2020
Synthesis, characterization, structural elucidation, electrochemistry, DNA binding study, micellization behaviour and antioxidant activity of the Cu (II) carboxylate complexes <i>Muhammad Iqbal Amir Karim Saqib Ali Muhammad Nawaz Tahir Manzar Sohail</i> <i>Polyhedron</i> , Volume 178, Article Number 114310 Impact Factor: 3.052 Quartile: 2 Citations: 25 DOI: https://doi.org/10.1016/j.poly.2019.114310	2020
Mononuclear vs. binuclear carboxylates of copper(II) with 2,2'-bipyridine: Synthesis, characterization, structural description, and properties <i>Muhammad Iqbal Saqib Ali Manzar Sohail Muhammad N. Tahir Paul A. Anderson</i> <i>Journal of the Chinese Chemical Society</i> , Volume 63, Issue 12, Pages 1619-1627 Impact Factor: 1.554 Quartile: 3 Citations: 7 DOI: 10.1002/jccs.201900048	2019
A facile approach to synthesis graphene oxide/bismuth oxide nanocomposites and their superior sunlight driven photocatalytic activity <i>Zahid Mehmood Muhammad Aamir Muhammad Sher Manzar Sohail Riaz Qadeer Neerish Revaprasadu Mohammad Azad Malik Javeed Akhtar</i> <i>Optik</i> , Volume 197, Article Number: UNSP 163035 Impact Factor: 2.187 Quartile: 2 Citations: 14 DOI: 10.1016/j.ijleo.2019.163035	2019
Synthesis of Hollow Pt-Ni Nanoboxes for Highly Efficient Methanol Oxidation <i>Rabia Jamil Manzar Sohail Nadeem Baig Muhammad S.Ansari Riaz Ahmed</i> <i>Scientific Reports</i> , Volume 9, Article Number 15273 Impact Factor: 3.998 Quartile: 1 Citations: 41 DOI: 10.1038/s41598-019-51780-y	2019
Levulinic Acid Derived Reusable Cobalt-Nanoparticles-Catalyzed Sustainable Synthesis of γ-Valerolactone <i>Kathiravan Murugesan Ahmad S. Alshammari Manzar Sohail Rajenahally V. Jagadeesh</i> <i>ACS Sustainable Chemistry & Engineering</i> , Volume 7, Issue 17, Pages 14756-14764 Impact Factor: 7.632 Quartile: 1 Citations: 48 DOI: 10.1021/acssuschemeng.9b02692	2019
Highly Sensitive and Selective Detection of Arsenic Using Electrogenerated Nanotextured Gold Assemblage <i>Noor-Ul-Ain Babar Khurram Saleem Joya Muhammad Arsalan Tayyab Muhammad Naeem Ashiq Manzar Sohail</i> <i>ACS Omega</i> , Volume 4, Issue 9, Pages 13645-13657 Impact Factor: 2.870 Quartile: 2 Citations: 95 DOI: 10.1021/acsomega.9b00807	2019
Formulation of an Unprecedented Potassium Thiadiazolate Framework Via In-Situ Ligand Synthesis <i>Saghir Abbas Manzar Sohail Muhammad Arif Nadeem Javaid Hussain Zaidi Saqib Ali</i> <i>Journal of the Chemical Society of Pakistan</i> , Volume 41, Issue 3, Page 437 Impact Factor: 0.300 Quartile: 4	2019
Effects of pyrolysis temperatures on the textural, magnetic, morphology, and catalytic properties of supported nickel nanoparticles <i>Ahmad Alshammari Naif Alarif Marzook Alshammari Rashid Altamimi Manzar Sohail</i> <i>Journal of Saudi Chemical Society</i> , -	2019

- Impact Factor:** 3.517 | **Quartile:** 2 | **Citations:** 1
DOI: 10.1016/j.jscs.2019.06.001
- Single-Step Fabrication of Nanostructured Palladium Thin Films via Aerosol-Assisted Chemical Vapor Deposition (AACVD) for the Electrochemical Detection of Hydrazine** 2019
Muhammad Ali Ehsan Manzar Sohail Rabia Jamil Abbas Saeed Hakeem
Electrocatalysis , Volume 10, Issue 3, Pages 214-221
Impact Factor: 2.587 | **Quartile:** 3 | **Citations:** 11
DOI: 10.1007/s12678-019-00513-w
- Nanoscale Palladium as A New Benchmark Electrocatalyst for Water Oxidation at Low Overpotential** 2019
Khurram Saleem Joya Muhammad Ali Ehsan Noor-Ul-Ain Babar Manzar Sohail Zain H. Yamani
Journal of Materials Chemistry A , Volume 7, Issue 15, Pages 9137-9144
Impact Factor: 11.301 | **Quartile:** 1 | **Citations:** 80
DOI: 10.1039/c9ta01198f
- Electrochemical investigation of uncapped AgBiS₂ (schapbachite) synthesized using in situ melts of xanthate precursors** 2019
Malik Dilshad Khan Muhammad Aamir Manzar Sohail Sanket Bhoyate Megan Hyatt Ram K. Gupta Muhammad Sher Neerish Revaprasadu
Dalton Transactions , Volume 48, Issue 11, Pages 3714-3722
Impact Factor: 4.174 | **Quartile:** 1 | **Citations:** 43
DOI: 10.1039/c9dt00242a
- Au/Ga₂O₃/ZnO heterostructure nanorods arrays for effective photoelectrochemical water splitting** 2019
Akram Abdalla Ibrahim Khan Manzar Sohail Ahsanulhaq Qurashi
Solar Energy , Volume 181, Pages 333-338
Impact Factor: 4.608 | **Quartile:** 2 | **Citations:** 32
DOI: 10.1016/j.solener.2019.01.065
- Monodisperse nickel-nanoparticles for stereo-and chemoselective hydrogenation of alkynes to alkenes** 2019
Kathiravan Murugesan Ahmad S. Alshammari Manzar Sohail Matthias Beller Rajenahally V. Jagadeesh
Journal of Catalysis , Volume 370, Pages 372-377
Impact Factor: 7.888 | **Quartile:** 1 | **Citations:** 44
DOI: 10.1016/j.jcat.2018.12.018
- Synthesis, X-ray structure and in vitro cytotoxicity of trans-diammineplatinum(II) complexes of selenones, trans-[Pt(NH₃)₂(selenone)₂](NO₃)₂** 2019
Ali Alhoshani Adam A.A. Seliman Ali Osman Altoum Hatem A. Abuelizz Saeed Ahmad Muhammad Altaf Khalid H. Omer Manzar Sohail Anvarhusein A. Isab
Polyhedron , Volume: 158 Pages: 234-240
Impact Factor: 2.343 | **Quartile:** 1 | **Citations:** 8
DOI: 10.1016/j.poly.2018.09.010
- Synthesis, crystal structure, and characterization of cyclohexylammonium tetraisoithiocyanatocobaltate (II): A single-source precursor for cobalt sulfide and oxide nanostructures** 2019
A. A. Bagabas M. Alsawalha Manzar Sohail S. Alhoshan R. Arasheed
Heliyon , Volume 5, Issue 1
Impact Factor: - | **Citations:** 8
DOI: <https://doi.org/10.1016/j.heliyon.2019.e01139>
- Synthesis, X-ray crystal structure and spin polarized DFT study of high spin Mn based metal-organic framework** 2019
Saghir Abbas Khurshid Ayub Manzar Sohail Saqib Ali Ralf Ludwig Muhammad Arif Nadeem Shabbir Muhammad
Journal of Molecular Structure Volume, Volume 1175, Pages 439-444
Impact Factor: 2.463 | **Quartile:** 3 | **Citations:** 10
DOI: 10.1016/j.molstruc.2018.07.106
- Dinuclear Ternary Copper(II) Complex: Synthesis, Characterization, Structure and DNA-Binding Studies** 2018
Muhammad Iqbal Afifa Mushtaq Manzar Sohail Paul A. Anderson Saqib Ali
Acta Chimica Slovenica , Volume 65, Pages 989-997
Impact Factor: 1.076 | **Quartile:** 4 | **Citations:** 4
DOI: 10.17344/acsi.2018.4695
- Cobalt-based nanoparticles prepared from MOF?carbon templates as efficient hydrogenation catalysts** 2018
Kathiravan Murugesan a Thirusangumurugan Senthamarai Manzar Sohail Ahmad S. Alshammari Marga-Martina Pohl Matthias Beller Rajenahally V. Jagadeesh
Chemical Science , Volume 9, Pages 8553–8560

- Impact Factor:** 9.556 | **Quartile:** 1 | **Citations:** 96
DOI: 10.1039/c8sc02807a
- A new water stable zinc metal organic framework as an electrode material for hydrazine sensing** 2018
Manzar Sohail Muhammad Altaf Nadeem Baig Rabia Jamil Muhammad Sher Atif Fazal
New Journal of Chemistry, Volume 42, Issue 15, Pages 12486-12491
Impact Factor: 3.069 | **Quartile:** 2 | **Citations:** 31
DOI: 10.1039/c8nj01507d
- Novel single source precursor for synthesis of Sb₂Se₃ nanorods and deposition of thin films by AACVD: Photo-electrochemical study for water reduction catalysis** 2018
Malik Dilshad Khan Muhammad Aamir Manzar Sohail Muhammad Sher Javeed Akhtar Mohammad Azad Malik Neerish Revaprasadu
Solar Energy, Volume 169, Pages 526-534
Impact Factor: 4.674 | **Quartile:** 1 | **Citations:** 69
DOI: 10.1016/j.solener.2018.05.026
- Bis(selenobenzoato)dibutyltin(IV) as a single source precursor for the synthesis of SnSe nanosheets and their photo-electrochemical study for water splitting** 2018
Malik Dilshad Khan Mohammad Aamir Manzar Sohail Mohammad Sher Nadeem Baig Javeed Akhtar Mohammad Azad Malik Neerish Revaprasadu
Dalton Transactions, Volume 47, Issue 15, Pages 5465-5473
Impact Factor: 4.052 | **Quartile:** 1 | **Citations:** 55
DOI: 10.1039/c8dt00285a
- Synthesis, Characterization, and Photoelectrochemical Catalytic Studies of a Water-Stable Zinc-Based Metal–Organic Framework** 2018
Muhammad Altaf Manzar Sohail Muhammad Mansha Naseer Iqbal Muhammad Sher Atif Fazal Nisar Ullah Anvarhusein A. Isab
ChemSusChem, Volume: 11 Issue: 3 Pages: 542-546
Impact Factor: 7.804 | **Quartile:** 1 | **Citations:** 24
DOI: 10.1002/cssc.201702122
- Synthesis, crystal structure and anticancer activity of tetrakis(Nisopropylimidazolidine-2-selenone)platinum(II) chloride** 2018
Saeed Ahmad Ali Osman S. Altoum Jan Vanco Radka Krikavova Zdenek Travnicek Zdenek Dvorak Muhammad Altaf Manzar Sohail Anvarhusein A. Isab
Journal of Molecular Structure, Volume 1152, Pages 232-236
Impact Factor: 2.120 | **Quartile:** 3 | **Citations:** 10
DOI: 10.1016/j.molstruc.2017.09.068
- Stable and Reusable Nanoscale Fe₂O₃-catalyzed Aerobic Oxidation Process for Selective Synthesis of Nitriles and Primary Amides** 2018
Kathiravan Murugesan Thirusangumurugan Senthamarai Manzar Sohail Muhammad Sharif Narayana V. Kalevaru Rajenahally V. Jagadeesh
Green Chemistry, Volume 20, Issue 1, Pages 266-273
Impact Factor: 9.405 | **Quartile:** 1 | **Citations:** 49
DOI: 10.1039/c7gc02627g
- Plasmon aided (BiVO₄)_x–(TiO₂)_{1-x} ternary nanocomposites for efficient solar water splitting** 2017
Shahid Ali Safyan A. Khan Zain H. Yamani Muhammad Qamaruddin Ibrahim Khan Manzar Sohail Mohamed A. Morsy
Solar Energy, Volume 155, Pages 770-780
Impact Factor: 4.374 | **Quartile:** 1 | **Citations:** 22
DOI: 10.1016/j.solener.2017.07.031
- Visible-light driven photocatalytic oxygen evolution reaction from new poly(phenylene cyanovinylenes)** 2017
Muhammad Mansha Ibrahim Khan Nisar Ullah Ahsanulhaq Qurashi Manzar Sohail Muhammad Mansha Ibrahim Khan Nisar Ullah Ahsanulhaq Qurashi
Dyes and Pigments, Volume 143, Pages 95-102
Impact Factor: 3.767 | **Quartile:** 1 | **Citations:** 16
DOI: 10.1016/j.dyepig.2017.04.028
- Surfactant-free synthesis of ellipsoidal and spherical shaped TiO₂ nanoparticles and their comparative photocatalytic studies** 2017
Shahid Ali b, Safyan A. Khan Ibrahim Khan Zain H. Yamani Manzar Sohail Mohamed A. Morsy Shahid Ali b, Safyan A. Khan Ibrahim Khan Zain H. Yamani Mohamed A. Morsy
Journal of Environmental Chemical Engineering, Volume 5, Issue 4, Pages 3956-3962
Impact Factor: - | **Citations:** 13
DOI: 10.1016/j.jece.2017.07.066
- Electrocatalytic performance of Ni@Pt core–shell nanoparticles supported on carbon nanotubes for methanol oxidation reaction** 2017

<i>Shahid Alia, Ibrahim Khan Safyan Akram Khan Riaz Ahmed Ateeq ur Rehman Muhammad Shahid Ansari Mohamed Ali Morsy Shahid Alia, Ibrahim Khan Safyan Akram Khan Manzar Sohail Riaz Ahmed Ateeq ur Rehman Muhammad Shahid Ansari Mohamed Ali Morsy</i> <i>Journal of Electroanalytical Chemistry</i>, Volume 795, Pages 17-25 Impact Factor: 3.235 Quartile: 1 Citations: 85 DOI: 10.1016/j.jelechem.2017.04.040	
Sonochemical assisted synthesis of RGO/ZnO nanowire arrays for photoelectrochemical water splitting <i>Ibrahim Khan Akram A.M. Ibrahim Manzar Sohail Ahsanulhaq Qurashi</i> <i>Solar Energy</i>, Volume 37, Pages 669-675 Impact Factor: 4.374 Quartile: 1 Citations: 67 DOI: 10.1016/j.ultsonch.2017.02.029	2017
Transformation of Cadmium Tetracyanoquinodimethane (TCNQ) into a Cadmium Terephthalate Metal–Organic Framework <i>Manzar Sohail Farooq Ahmad Kiani Vedapriya Pandarinathan Safyan Akram Khan Roland De Marco Damien J. Carter Alan M. Bond</i> <i>Australian Journal of Chemistry</i>, Volume 70, Issue 9, Pages 973-978 Impact Factor: 1.059 Quartile: 4 Citations: 2 DOI: 10.1071/CH17187	2017
Synthesis, characterization, and properties of new 3-hexyl-2,5-diphenylthiophene: Phenylene vinylenes copolymers as colorimetric sensor for iodide anion <i>Muhammad Mansha Nisar Ullah Muhammad Mansha Manzar Sohail Nisar Ullah</i> <i>Journal of Applied Polymer Science</i>, Volume 134, Issue 24 Impact Factor: 1.901 Quartile: 2 Citations: 11 DOI: 10.1002/app.44948	2017
Synthesis, structures and photoluminescence properties of mixed ligand divalent metal–organic frameworks <i>Muhammad Altaf Nisar Ullah Safyan A. Khan Helen Stoeckli-Evans Muhammad Mansha Manzar Sohail Anvarhusein A. Isab</i> <i>New Journal of Chemistry</i>, Volume: 41 Issue: 8 Pages: 2980-2986 Impact Factor: 3.201 Quartile: 2 Citations: 6 DOI: 10.1039/c7nj00188f	2017
ZINC HALIDE COMPLEXES OF THIONICOTINAMIDE; CRYSTAL STRUCTURE OF DICHLORIDO BIS(THIONICOTINAMIDE-κN)ZINC(II) <i>M. Akhtar M. R. Malik M. N. Tahir S. Nadeem M. Altaf M. Sohail S. Ali S. Ahmad M. Akhtar M. R. Malik M. N. Tahir S. Nadeem M. Altaf S. Ali S. Ahmad</i> <i>Journal of Structural Chemistry</i>, Volume 58, Issue 1, Pages: 178-182 Impact Factor: 0.521 Quartile: 4 Citations: 1 DOI: 10.1134/S0022476617010243	2017
Optical scattering from graphene foam for oil imaging/sensing† <i>Sunan Deng Piran R. Kidambi Haider Butt Aydin Sabouri Manzar Sohail Safyan A. Khan Kyle Jiang Sunan Deng Piran R. Kidambi Haider Butt Aydin Sabouri</i> <i>Safyan A. Khan Kyle Jiang</i> <i>RSC Advances</i>, Volume: 6 Issue: 76 Pages: 71867-71874 Impact Factor: 3.108 Quartile: 2 Citations: 4 DOI: 10.1039/c6ra15134e	2016
Nitrate biosensors and biological methods for nitrate determination <i>Manzar Sohail Samuel B. Adeloju Samuel B. Adeloju</i> <i>Talanta</i>, Volume 153, Pages 83-98 Impact Factor: 4.162 Quartile: 1 Citations: 53 DOI: 10.1016/j.talanta.2016.03.002	2016
Fabrication of CoTiO₃–TiO₂ composite films from a heterobimetallic single source precursor for electrochemical sensing of dopamine <i>Muhammad Ali Ehsan Rabia Naeem Hamid Khaledi Manzar Sohail Abbas Hakeem Saeed Muhammad Mazhar Muhammad Ali Ehsan Rabia Naeem Hamid</i> <i>Khaledi Abbas Hakeem Saeed Muhammad Mazhar</i> <i>Dalton Transactions</i>, Volume: 45 Issue: 25 Pages: 10222-10232 Impact Factor: 4.029 Quartile: 1 Citations: 47 DOI: 10.1039/c6dt01016d	2016
Electrocatalytic Properties of a Gold Nanoseed Particlemodified Indium Tin Oxide Electrode: Comparison of the Shape and Preparation Methods <i>Md. Abdul Aziz M. Nasiruzzaman Shaikh Manzar Sohail Munetaka Oyama</i> <i>Electroanalysis</i>, Volume: 28 Issue: 5 Pages: 1119-1125	2016

- Impact Factor:** 2.851 | **Quartile:** 2 | **Citations:** 5
DOI: 10.1002/elan.201501017
- Recent Advances in Nanomaterial-Modified Pencil Graphite Electrodes for Electroanalysis** 2016
Md. Rajibul Akanda Manzar Sohail Md. Abdul Aziz Abdel-Nasser Kawde
Electroanalysis , Volume 28, Issue 3, Pages 408-424
Impact Factor: 2.851 | **Quartile:** 2 | **Citations:** 145
DOI: 10.1002/elan.201500374
- Electrochemical Investigation of Gold Nanoparticle- Modified Glassy Carbon Electrode and its Application in Ketoconazole Determination** 2016
Md. Abdul Aziz Mutasem M. Alshalalfeh Manzar Sohail Tawfik A. Saleh
Electroanalysis , Volume 69, Issue 11, Pages 1314-1320
Impact Factor: 2.851 | **Quartile:** 2 | **Citations:** 27
DOI: 10.1071/CH16072
- O-bridged and paddlewheel copper(II) carboxylates as potent DNA intercalator: Synthesis, physicochemical characterization, electrochemical and DNA binding studies as well as POM analyses** 2016
Muhammad Iqbal Muhammad Sirajuddin Saqib Ali Muhammad Nawaz Tahir Manzar Sohail
Inorganica Chimica Acta , Volume 440, Pages 129-138
Impact Factor: 2.002 | **Quartile:** 2 | **Citations:** 25
DOI: 10.1016/j.ica.2015.10.042
- Fabrication of pristine Mn₂O₃ and Ag–Mn₂O₃ composite thin films by AACVD for photoelectrochemical water splitting** 2016
Rabia Naeem Muhammad Ali Ehsan Rosiyah Yahya Manzar Sohail Hamid Khaledi Muhammad Mazhar
Dalton Transactions , Volume 45, Issue 38, Pages 14928-14939
Impact Factor: 4.029 | **Quartile:** 1 | **Citations:** 87
DOI: 10.1039/c6dt02656g
- Swift electrochemical detection of paraben an endocrinedisruptor by In₂O₃nanobricks** 2015
Ahsanulhaq Qurashi Toshinari Yamazaki Karolien De Wael Jahangir Ahmad Rather Manzar Sohail Belabbes Merzougui Abbas Saeed Hakeem
Sensors and Actuators B: Chemical , Volume 221, Pages 167-171
Impact Factor: 4.758 | **Quartile:** 1 | **Citations:** 27
DOI: 10.1016/j.snb.2015.06.026
- Synthesis, structural characterization, DNA binding and antioxidant potency of new ferrocene incorporated acyl ureas** 2015
Faiza Asghar Amin Badshah Raja Azadar Hussain Manzar Sohail Kamran Akbar Ian Sydney Butler Faiza Asghar Amin Badshah Raja Azadar Hussain Kamran Akbar Ian Sydney Butler
Journal of Organometallic Chemistry , Volume 797, Pages 131-139
Impact Factor: 2.336 | **Quartile:** 2 | **Citations:** 18
DOI: 10.1016/j.jorganchem.2015.08.010
- Transportation and Accumulation of Redox Active Species at the Buried Interfaces of Plasticized Membrane Electrodes** 2015
Roland De Marco Marcin Pawlak Ning He Tom Lindfors Manzar Sohail Zde?ka Jarolímová Eric Bakker Rose-Marie Latonen Johan Bobacka
LANGMUIR , Volume: 31 Issue: 38 Pages: 10599-10609
Impact Factor: 3.993 | **Quartile:** 1 | **Citations:** 13
DOI: 10.1021/acs.langmuir.5b01693
- Co@Pt core–shell nanoparticles supported on carbon nanotubes as promising catalyst for methanol electro-oxidation** 2015
Manzar Sohail Safyan Akram Khan Shahid Ali Riaz Ahmed Muhammad Shahid Ansari
Journal of Industrial and Engineering Chemistry , Volume 28, Pages 344-350
Impact Factor: 4.179 | **Quartile:** 1 | **Citations:** 37
DOI: 10.1016/j.jiec.2015.03.014
- Synthesis, crystal structure and electrochemical and DNA binding studies of oxygen bridged-copper(II) carboxylate** 2015
Muhammad Iqbal Saqib Ali Muhammad Nawaz Tahir Niaz Muhammad Naseer Ali Shah Manzar Sohail Vedapriya Pandarinathan Muhammad Iqbal Saqib Ali Muhammad Nawaz Tahir Niaz Muhammad Naseer Ali Shah Vedapriya Pandarinathan
Journal of Molecular Structure , Volume 1093, Pages 135-143
Impact Factor: 1.780 | **Quartile:** 3 | **Citations:** 27
DOI: 10.1016/j.molstruc.2015.03.058

- Fabrication of TiO₂/Ag/Ag₂O Nanoparticles to Enhance the Photocatalytic Activity of Degussa P25 Titania** 2015
 Mohamed A. Morsy Safyan A. Khan Shahid Ali Manzar Sohail Zain H. Yamani
Australian Journal of Chemistry, Volume 69, Issue 1, Pages 41-46
Impact Factor: 1.427 | **Quartile:** 3 | **Citations:** 15
DOI: 10.1071/CH15250
- Synthesis, characterization and anticancer activity of gold(I) complexes that contain tri-tert-butylphosphine and dialkyl dithiocarbamate ligands** 2015
 Muhammad Altaf Adam A.A. Seliman Mohammed I.M. Wazeer L. Li M. Monim-ul-Mehboob Manzar Sohail Anvarhusein A. Isab V. Dhuna G. Bhatia K. Dhuna
European Journal of Medicinal Chemistry, Volume 95, Pages 464-472
Impact Factor: 3.902 | **Quartile:** 1 | **Citations:** 51
DOI: 10.1016/j.ejmech.2015.03.019
- Synthesis, crystal structure, theoretical calculations, and electrochemical and biological studies of polymeric (N,N,N',N'-tetramethylethylenediamine)bis(thiocyanato- κ N)copper(II), [Cu(tmeda)(NCS)₂]_n** 2015
 Arturo Espinosa Mehwish Habib Muhammad Saleem Irshad Hussain Manzar Sohail Komal Naveed Habib-ur Rehman Aisha Munawar Saeed Ahmad
Polyhedron, Volume 90, Pages 252-257
Impact Factor: 2.108 | **Quartile:** 2 | **Citations:** 19
DOI: 10.1016/j.poly.2015.02.017
- Development of an improved ligand mimetic calibration system for the analysis of iron(III) in seawater using the iron(III) chalcogenide glass ion selective electrode: A combined mechanistic and analytical study** 2015
 Mark Maric Manzar Sohail Jean-Pierre Veder Roland De Marco
Sensors and Actuators B: Chemical, Volume 207, Pages 907-917, Part B, Special Issue SI
Impact Factor: 4.758 | **Quartile:** 1 | **Citations:** 7
DOI: 10.1016/j.snb.2014.09.003
- Synthesis, theoretical calculations and antimicrobial studies of copper(I) complexes of cysteamine, cysteine and 2-mercaptosuccinic acid** 2015
 Anvarhusein A. Isab Abdul Hameed Muhammad Monim-ul-Mehboob Saeed Ahmad Arturo Espinosa Tayyaba Ahmad Manzar Sohail Muhammad Saleem Édgar de las Heras
Polyhedron, Volume 85, Pages 239-245
Impact Factor: 2.108 | **Quartile:** 2 | **Citations:** 13
DOI: 10.1016/j.poly.2014.08.029
- A calixarene-based ion-selective electrode for thallium(I) detection** 2014
 Ryan Chester Mark I. Ogden Ernő Pretsch Manzar Sohail Mauro Mocerino Roland De Marco
Analytica Chimica Acta, Volume 851, Pages 78-86
Impact Factor: 4.513 | **Quartile:** 1 | **Citations:** 18
DOI: 10.1016/j.aca.2014.08.046
- Neuropeptides encoded by the genomes of the Akoya pearl oyster *Pinctada fucata* and Pacific oyster *Crassostrea gigas*: a bioinformatic and peptidomic survey** 2014
 Michael J Stewart Michael J Stewart Bronwyn A Rotgans Tianfang Wang Min Zhao Manzar Sohail Wayne A O'Connor Abigail Elizur Joel Henry Scott F Cummins Pascal Favrel
BMC Genomics, Volume 15, Article Number 840
Impact Factor: 3.986 | **Quartile:** 1 | **Citations:** 78
DOI: 10.1186/1471-2164-15-840
- Potentially bioactive organotin(IV) compounds: Synthesis, characterization, in vitro bioactivities and interaction with SS-DNA** 2014
 Muhammad Sirajuddin Saqib Ali Vickie McKee Manzar Sohail Hammad Pasha
European Journal of Medicinal Chemistry, Volume 84, Pages 343-363
Impact Factor: 3.447 | **Quartile:** 1 | **Citations:** 130
DOI: 10.1016/j.ejmech.2014.07.028
- Electrochemical Investigation of Metal Oxide Conducting Electrodes for Direct Detection of Sulfide** 2014
 Md. Abdul Aziz Manzar Sohail Munetaka Oyama Wael Mahfoz
Electroanalysis, Volume 27, Issue 5, Pages 1268-1275
Impact Factor: 2.138 | **Quartile:** 2 | **Citations:** 31
DOI: 10.1002/elan.201400539

Synthesis, crystal structure description, electrochemical, and DNA-binding studies of “paddlewheel” copper(II) carboxylate <i>Muhammad Iqbal Saqib Ali Zia-Ur Rehman Niaz Muhammad Manzar Sohail Vedapriya Pandarinathan</i> <i>Journal of Coordination Chemistry</i> , Volume 67, Issue 10 ,Pages 1731-1745 Impact Factor: 2.012 Quartile: 2 Citations: 36 DOI: 10.1080/00958972.2014.926337	2014
A near edge X-ray absorption fine structure (NEXAFS) study of the response mechanism of the iron (III) chalcogenide glass membrane ion-selective electrode <i>Mark Maric Manzar Sohail Roland De Marco</i> <i>Electrochemistry Communications</i> , Volume 41, Pages 27-30 Impact Factor: 4.847 Quartile: 1 Citations: 8 DOI: 10.1016/j.elecom.2014.01.017	2014
Evidence for a Surface Confined Ion-to-Electron Transduction Reaction in Solid-Contact Ion-Selective Electrodes Based on Poly(3- octylthiophene) <i>Jean-Pierre Veder Roland De Marco Kunal Patel Pengchao Si Ewa Grygolicz-Pawlak Michael James Muhammad Tanzirul Alam Manzar Sohail Junqiao Lee Erno?Pretsch Eric Bakker</i> <i>Analytical Chemistry</i> , Volume 85, Issue 21, Pages 10495-10502 Impact Factor: 5.825 Quartile: 1 Citations: 57 DOI: 10.1021/ac4024999	2013
Synthesis, chemical characterization, DNA binding and antioxidant studies of ferrocene incorporated selenoure <i>Raja Azadar Hussain Amin Badshah Manzar Sohail Bhajan Lal Kamran Akbar</i> <i>Journal of Molecular Structure</i> , Volume 1048, Pages 367-374 Impact Factor: 1.599 Quartile: 3 Citations: 31 DOI: 10.1016/j.molstruc.2013.06.004	2013
Synthesis, crystal structures and electrochemical characterization of dinuclear paddlewheel copper(II) carboxylates <i>Muhammad Iqbal Saqib Ali Niaz Muhammad Manzar Sohail</i> <i>Polyhedron</i> , Volume 57, Pages 83-93 Impact Factor: 2.047 Quartile: 2 Citations: 29 DOI: 10.1016/j.poly.2013.04.020	2013
Synthesis, chemical characterization, DNA interaction and antioxidant studies of ortho, meta and para fluoro substituted ferrocene incorporated selenoureas <i>Raja Azadar Hussain Amin Badshah Manzar Sohail Bhajan Lal Ataf Ali Altaf</i> <i>Inorganica Chimica Acta</i> , Volume 402, Pages 133-139 Impact Factor: 2.041 Quartile: 2 Citations: 45 DOI: 10.1016/j.ica.2013.04.003	2013
Transport and accumulation of ferrocene tagged poly(vinyl chloride) at the buried interfaces of plasticized membrane electrodes† <i>Manzar Sohail Roland De Marco Muhammad Tanzirul Alam Marcin Pawlak Eric Bakker</i> <i>Analyst</i> , Volume 138, Issue 15, Pages 4266-4269 Impact Factor: 3.906 Quartile: 1 Citations: 12 DOI: 10.1039/c3an00464c	2013
Dimeric “paddle-wheel” carboxylates of copper(II): Synthesis, crystal structure and electrochemical studies <i>Muhammad Iqbal Iqbal Ahmad Saqib Ali Niaz Muhammad Safeer Ahmed Manzar Sohail</i> <i>Polyhedron</i> , Volume: 50 Issue: 1 Pages: 524-531 Impact Factor: 2.047 Quartile: 2 Citations: 55 DOI: 10.1016/j.poly.2012.11.037	2013
Thin layer coulometric determination of nitrate in fresh waters <i>Manzar Sohail Roland De Marco Krystina Lamb Eric Bakker</i> <i>Analytica Chimica Acta</i> , Volume 744, Pages 39-44 Impact Factor: 4.387 Quartile: 1 Citations: 36 DOI: 10.1016/j.aca.2012.07.026	2012
Coulometric Sodium Chloride Removal System with Nafion Membrane for Seawater Sample Treatment <i>Ewa Grygolicz-Pawlak Manzar Sohail Marcin Pawlak Bastien Neel Alexey Shvarev Roland de Marco Eric Bakker</i>	2012

<i>Analytical Chemistry</i> , Volume 84, Issue 14, Pages 6158-6165 Impact Factor: 5.695 Quartile: 1 Citations: 43 DOI: 10.1021/ac301096r	
Electrochemistry at the interface between an aqueous droplet and 1,2-dichloroethane <i>Muhammad Tanzirul Alam Manzar Sohail Roland De Marco</i> <i>Electrochemistry Communications</i> , Volume 19, Pages 142-144 Impact Factor: 4.425 Quartile: 1 Citations: 2 DOI: 10.1016/j.elecom.2012.02.044	2012
An Electrochemical Impedance Spectroscopy/Neutron Reflectometry Study of Water Uptake in the Poly(3,4- Ethylenedioxythiophene):Poly(Styrene Sulfonate)/Polymethyl Methacrylate-Polydecyl Methacrylate Copolymer Solid-Contact Ion-Selective Electrode <i>Jean-Pierre Veder San Ping Jiang Kunal Patel Manzar Sohail Michael James Roland De Marco</i> <i>Electroanalysis</i> , Volume 24, Issue 1, Pages 140-145 Impact Factor: 2.817 Quartile: 2 Citations: 12 DOI: 10.1002/elan.201100524	2012
Polypyrrole-based bilayer nitrate amperometric biosensor with an integrated permselective poly-ortho-phenylenediamine layer for exclusion of inorganic interferences <i>Samuel B. Adeloju Samuel B. Adeloju Manzar Sohail</i> <i>Biosensors and Bioelectronics</i> , Volume 26, Issue 11, Pages 4270-4275 Impact Factor: 5.602 Quartile: 1 Citations: 10 DOI: 10.1016/j.bios.2011.04.002	2011
Azure A Mediated Polypyrrole-Based Amperometric Nitrate Biosensor <i>Samuel B. Adeloju Manzar Sohail</i> <i>Electroanalysis</i> , Volume 23, Issue 4, Pages 987-996 Impact Factor: 2.721 Quartile: 2 Citations: 16 DOI: 10.1002/elan.201000386	2010
Fabrication of Redox-Mediator Supported Potentiometric Nitrate Biosensor with Nitrate Reductase <i>Manzar Sohail Samuel B. Adeloju</i> <i>Electroanalysis</i> , Volume 21, Issue 12, Pages 1411-1418 Impact Factor: 2.63 Quartile: 2 Citations: 33 DOI: 10.1002/elan.200804542	2009
Electroimmobilization of nitrate reductase and nicotinamide adenine dinucleotide into polypyrrole films for potentiometric detection of nitrate <i>Manzar Sohail Samuel B. Adeloju</i> <i>Sensors and Actuators B: Chemical</i> , Volume 133, Issue 1, Pages 333-339 Impact Factor: 3.122 Quartile: 1 Citations: 35 DOI: 10.1016/j.snb.2008.02.032	2008
Synthesis, characterization of mixed ligand palladium(II) complexes of triphenylphosphine and anilines and their enzyme inhibition studies against b-glucuronidase. The crystal structure of trans-dichloro- (m-chloroaniline)(triphenylphosphine)palladium(II) <i>Maliha Asma Amin Badshah Saqib Ali Manzar Sohail Mohammed Fettouhi Saeed Ahmad Abdul Malik</i> <i>Transition Metal chemistry</i> , Volume 31, Issue 4, Pages 556-559 Impact Factor: 0.918 Quartile: 3 Citations: 17 DOI: 10.1007/s11243-006-0027-z	2006
Tris(ethylenediamine)nickel(II) tetraiodocadmate(II) <i>Manzar Sohail Kieran C. Molloy Muhammad Mazhar G. Kociok-Koehn M. Kaleem Khosa</i> <i>Acta Crystallographica Section E: Crystallographic Communications</i> , Volume 62, Pages M394-M396, Part 2 Impact Factor: - Citations: 4 DOI: 10.1107/S1600536806002522	2006
Bis[2-(dimethylamino)ethanol-η^2 N,O](pentane-2,4-dionato-η^2 O,O')nickel(II) chloride <i>Manzar Sohail Kieran C. Molloy Muhammad Mazhar G. Kociok-Koehn M. Kaleem Khosa</i> <i>Acta Crystallographica Section E Structure Reports</i> , Volume 61, Part 10, Pages m2001-m2002 Impact Factor: 0.581 Quartile: 4 Citations: 2 DOI: 10.1107/S1600536805028424	2005
3-Germyl-3,3-dimethylpropionic acid derivatives <i>Masood Parvez Kaleem M. Khosa Muhammad Mazhar Saqib Ali Manzar Sohail</i>	2005

Impact Factor: 0.777 | Quartile: 3

DOI: 10.1107/S0108270104030963

Conference Proceedings

Keynote Speaker: Organic and Inorganic Hybrid Nanostructures for Environmental Applications <i>Manzar Sohail</i> <i>1st International Conference on Chemistry of Medicinal Plants, res.country(177,)</i> Citations: N/A DOI: https://iccmp.kiu.edu.pk/	2024
---	------

Book Chapters

Redefining solar conversion: advancing technologies with metal-organic framework nanocomposites <i>Ibsa Naseer Ifra Urooj Manzar Sohail Zonish Zeb</i> In: <i>Book on Photoelectrochemical Engineering for Solar Harvesting</i> , Chapter 6, Pages 141-173 Citations: N/A DOI: https://doi.org/10.1016/B978-0-323-95494-5.00009-4	2024
Metal organic framework derived nanostructures for heterogeneous catalysis <i>Anosha Rubab Amna Altaf Sumaya Ishtiaq Manzar Sohail</i> In: <i>Book on Nanoscience</i> , Volume 8, Chapter 5, Pages 106-132 Citations: N/A DOI: https://doi.org/10.1039/9781839167218-00106	2022
Metal–Organic Frameworks Membranes <i>Faiza Ilyas Umme Ammara Munazza Shahid Manzar Sohail Muhammad Sher Muhammad Altaf Raja Shahid Ashraf</i> In: <i>Book on Membrane Based Methods for Dye Containing Wastewater</i> , Chapter 8, Pages 215-240 Citations: N/A DOI: https://doi.org/10.1007/978-981-16-4823-6_8	2021

Editorial Activities

Analytical Chemistry Reviewed Papers for Journals Impact Factor: 8	2025
ChemistrySelect Reviewed Papers for Journals Impact Factor: 2.1	2024
ChemistrySelect Reviewed Papers for Journals Impact Factor: 2.1	2024
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ACS applied nano materials Reviewed Papers for Journals Impact Factor: 5.3	2024
ACS applied nano materials Reviewed Papers for Journals Impact Factor: 5.3	2024

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ACS materials letters	2024
Reviewed Papers for Journals	
Impact Factor: 5.3	
ACS materials letters	2024
Reviewed Papers for Journals	
Impact Factor: 11.4	
ECS Journal of Solid State Science and Technology	2024
Reviewed Papers for Journals	
Impact Factor: 1.8	
Energy Technology	2024
Reviewed Papers for Journals	
Impact Factor: 3.8	
ACS Applied Nano Materials	2023
Reviewed Papers for Journals	
Impact Factor: 6.14	
Nano Letters	2023
Reviewed Papers for Journals	
Impact Factor: 10.8	
ACS Applied Materials & Interfaces	2023
Reviewed Papers for Journals	
Impact Factor: 9.4	
The Journal of Physical Chemistry A	2022
Reviewed Papers for Journals	
Impact Factor: 2.781	
Materials Chemistry and Physics	2022
Reviewed Papers for Journals	
Impact Factor: 4.778	
ACS Applied Nano Materials	2022
Reviewed Papers for Journals	
Impact Factor: 6.140	
International Journal of Hydrogen Energy	2022
Reviewed Papers for Journals	
Impact Factor: 7.139	
Chemistry of Materials	2022
Reviewed Papers for Journals	
Impact Factor: 10.508	
ACS Applied Nano Materials	2022
Reviewed Papers for Journals	
Impact Factor: 6.140	
Advances in Colloid and Interface Science	2022
Reviewed Papers for Journals	
Impact Factor: 15.190	
	2022
Reviewed Papers for Journals	
Impact Factor: 5.2	

Reviewed Papers for Journals Impact Factor: 5.2	2021
Reviewed Papers for Journals Impact Factor: 4.146	2021
Reviewed Papers for Journals Impact Factor: 5.2	2021
Reviewed Papers for Journals Impact Factor: 3.126	2021
Reviewed Papers for Journals Impact Factor: 5.2	2021
Reviewed Papers for Journals Impact Factor: 4.6	2021
Reviewed Papers for Journals Impact Factor: 5.2	2021
Reviewed Papers for Journals Impact Factor: 3.186	2020
Reviewed Papers for Journals Impact Factor: 7.393	2020

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