Zeeshan Ali

Assistant Professor

School of Chemical & Materials Engineering

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About

Dr. Zeeshan Ali is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Zeeshan Ali has a PhD in Advanced Materials And Mechanics. Dr. Zeeshan Ali has published 64 research articles & conference papers having a citation count of 3561, carried out 8 projects and filed 0 intellectual property.

Qualifications

PhD in Advanced Materials And Mechanics 2015 - 2019
Peking University , China

MS in Materials And Surface Engineering 2012 - 2015
NUST, Islamabad , Pakistan

BS in Metallurgical And Materials Engineering 2008 - 2012
UET Lahore , Pakistan

Experience

Assistant Professor 2025- Present
School of Chemical & Materials Engineering

Assistant Professor 2023 - 2024
School of Chemical & Materials Engineering

Assistant Professor 2023 - 2023
School of Chemical & Materials Engineering

Assistant Professor 2020 - 2023
School of Chemical & Materials Engineering

Assistant Professor 2019 - 2020
School of Chemical & Materials Engineering

Assistant Engineering 2012 - 2015
KRL (Dr. A. Q. Khan Research Laboratories Kahuta) , Rawalpindi, Pakistan

Internee 2011 - 2011
PCSIR , PCSIR, Ferozpur Road, Lahore-54600

Internee 2010 - 2010
Pakistan Foundry Association (Friends Foundry) , Friends Foundry Islamabad 44000

Awards

Excellent Graduate 2019

Excellent graduates are the top-class, outstanding performers of respective department. It was my honor to get selected as Excellent Graduate for College of Engineering, Peking University.

Int. Academic Award 2018

PKU International Students Academic Award is given for best overall performance.

Excellent Researcher 2018

Excellent Researcher award is presented for carrying out outstanding research in a given academic year. To me, this award was given for my good work during 2017-2018.

Gold Medals 2013

Gold medal is awarded to the student for best overall performance. I was awarded two of these Medals.

Deans Honor Rol 2012

This Deans honor rol is awarded for achieving excellent result in semester. I obtained 5 of these awards during Bachelor's degree in UET, Lahore.

Professional Memberships

TMS USA Since 2020

PEC Since 2013

Research Projects

National Projects

Smart electrodes for energy storage devices 2023
Funding Agency: Engineering and Physical Sciences Research Council (EPSRC), UKRI
Amount: PKR 128,182,132.00
Status: Approved_inprocess

Membrane for Hemodialysis and high energy flexible lithium-ion battery 2022
Funding Agency: UK Chemicals
Amount: PKR 1,060,000.00
Status: Approved_inprocess

Development of Nano Engineered Electrode Materials for Commercializeable Battery Prototypes 2020
Funding Agency: NUST
Amount: PKR 299,800.00
Status: Completed

Exploitation of sustainable metal chalcogenide anodes for high energy sodium-ion battery 2021
Funding Agency: British Council
Amount: PKR 808,850.00
Status: Completed

Activated Carbon Electrodes from Sustainable Resources Materials for Economical Sodium Sulfur Batteries 2021
Funding Agency: British Council
Amount: PKR 873,757.00
Status: Completed

Development of Nano Engineered Electrode Materials for Commercialize-able Battery Prototypes 2020
Funding Agency: NUST Research Dte recurring budget under head Research Proposals
Amount: PKR 299,800.00
Status: Completed

Development of Flexible Electrode Materials with High Conductivity and Catalytic Activity for Room Temperature Sodium-Sulfur Batteries 2021
Funding Agency: PSF
Amount: PKR 42,214,000.00
Status: Approved_inprocess

Development of an Optimized Synthesis Process for Ceria Nanoparticles 2020
Funding Agency: NESCOM
Amount: PKR 300,000.00
Status: Completed

International Projects

Research Articles

Mixed morphology ternary composites of ZnCo2O4/WS2/COOH-CNTs for high performance supercapacitor application 2025
Muhammad zafar Khan Muhammad Aftab Akram Zeeshan Ali Mohammad Mujahid Sofia Javed
Journal of Alloys and Compounds, Volume:1039, Article Number 182876
Impact Factor: 6.300 | **Quartile:** 1
DOI: https://doi.org/10.1016/j.jallcom.2025.182876

Regulating peroxidase-mimic activity of iron oxide nanozymes through size modulation: electronic structure and specific surface area 2025
Shuang-Shan Li Fan Zhao Hong-Yan Yu Zheng-Tao Xu Zeeshan Ali Wang-Chang Li Yao Ying Liang Qiao Jing-Wu Zheng Juan Li Sheng-Lei Che Jing Yu
Rare Metals, Volume:44, Pages:6375-6387
Impact Factor: 11.000 | **Quartile:** 1
DOI: 10.1007/s12598-025-03349-0

Regulating a NaF-Rich SEI Layer for Dendrite-Free Sodium Metal Batteries Using Trifunctional Halogenated Covalent Organic Framework Separators 2025
Muhammad Ali Hamid Hussain Moazzam Ali Samia Aman Weiwei Yang Zeeshan Ali Lei Li Yinzhu Jiang Muhammad Yousaf
Advanced Science, Article Number:e03693, Pages:11,

Impact Factor: 14.100 | **Quartile:** 1
DOI: https://doi.org/10.1002/advs.202503693

In-situ crystal growth of iron-copper MOF via graphene induction as an electrode material for the asymmetric supercapacitors 2025

Sarah Hakeem Ayesha Siddique Rehan Ullah Saqib Ali Muhammad Talha Masood Zeeshan Ali Ghulam Ali Sofia Javed
Journal of Alloys and Compounds, Volume:1035
Impact Factor: 6.3 | **Quartile:** 1
DOI: https://doi.org/10.1016/j.jallcom.2025.181324

Controllable Synthesis of Out-of-Plane Grown Bi2TeO5 with High-κ and Anisotropy for High-Performance Field-Effect Transistors 2025

Shibo Li Biao Zhang Xiaoting Tian Zijing Zhao Bailing Li Zeeshan Ali Ziyu Meng Wanting Zhao Licong Peng Yanglong Hou
Nano Letters , Volume:25, Issue: 20, Pages:8390-8398
Impact Factor: 9.1 | **Quartile:** 1
DOI: https://pubs.acs.org/doi/10.1021/acs.nanolett.5c01677

Enhanced CO2/CH4 separation using amine-modified ZIF-8 mixed matrix membranes 2025

Imran Ullah Khan Mohd Hafiz Dzarfan Othman Mukhlis A. Rahman Musawira Iftikhar Zeeshan Ali Muhammad Muqeet Juhana Jaafar Asim Jilani Mohd Khairul Naim Raml
Materials Chemistry and Physics, Volume 334, Article Number 130404
Impact Factor: 4.300 | **Quartile:** 2 | **Citations:** 2
DOI: https://doi.org/10.1016/j.matchemphys.2025.130404

Elucidating bimetallic CuMnSe2/MWCNTs composite as redox-active electrode material for hybrid supercapacitors 2025

Rehan Ullah Zeeshan Ali Umaima Hamayun Amna Safdar Sofia Javed Muhammad Talha Masood Ghulam Ali Ayesha Siddique Syed Rizwan Hussain
Journal of Energy Storage, Volume 109, Article Number 115124
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 4
DOI: https://doi.org/10.1016/j.est.2024.115124

A multichambered carbon based electrode materials to realize efficient sodium-ion batteries 2025

Zeeshan Ali Muhammad Burhan Shafqat Muhammad Tayyab Ahsan Muhammad Ali Ahmad Saeed Rajab Hussain Tayyaba Noor Sofia Javed
Journal of Energy Storage, Volume 106, Article Number 114804
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 1
DOI: 10.1016/j.est.2024.114804

Synthesis of ultrathin CeO2 nanosheets for enhanced electrocatalytic degradation of 17-alpha-ethynylestradiol 2024

Xin-Kai Huang Kang-Jia Wang Yi-Fan Li Zeeshan Ali Cai-Yu Sun Bing Dong
Rare Metals, Pages 1-12
Impact Factor: 9.600 | **Quartile:** 1 | **Citations:** 1
DOI: 10.1007/s12598-024-03100-1

Nucleophilic Sn Seeding and Interface Engineering for Highly Stable Sodium Metal Batteries 2024

Zeeshan Ali Muhammad Burhan Shafqat Muhammad Tayyab Ahsan Shibo Li Wan-Ting Zhao Yanglong Hou
Small , Pages 1-9
Impact Factor: 13.000 | **Quartile:** 1 | **Citations:** 2
DOI: 10.1002/smll.202406325

Robust sodium storage enabled medium entropy Na3.5V0.5Mn0.5Fe0.5Ti0.5(PO4)3 NASICON with multielectron reaction for sodium-ion battery 2024

Muhammad Tayyab Ahsan Zeeshan Ali Jing-Jing Wang Wan-Ting Zhao Yanglong Hou
Rare Metals, Pages: 12
Impact Factor: 9.6 | **Quartile:** 1 | **Citations:** 2
DOI: https://doi.org/10.1007/s12598-024-03009-9

A Strategy to Mitigate Jahn Teller Effect of Mn-Rich NASICON Framework for Sodium-Ion Batteries 2024

Muhammad Tayyab Ahsan Zeeshan Ali Daping Qiu Zhang Biao Wang Jing Jing Yanglong Hou
Small , Volume 20, Issue 43, Article Number 2402275
Impact Factor: 13.000 | **Quartile:** 1 | **Citations:** 9
DOI: https://doi.org/10.1002/smll.202402275

Optimization of z-scheme Bi0.5Na0.5TiO3/RGO-Co3O4 composite catalyst for water splitting reaction through piezo-photocatalysis 2024

Farah Mumtaz Hamid Jabbar Muhamad Zubair Khan Abdul Ghaffar Abrar H. Baluch Sofia Javed Tayyaba Noor Zeeshan Ali Jung Hyuk Koh Mohsin Saleem

International Journal of Hydrogen Energy, Volume 78, Pages 1468-1480

Impact Factor: 8.100 | **Quartile:** 1 | **Citations:** 13
DOI: https://doi.org/10.1016/j.ijhydene.2024.06.387

Novel yttrium and silicon co-doped Li1.3+x+yAl0.3−xYxTi1.7Siy(P1−yO4)3 solid electrolyte for lithium batteries: Effect on ionic conductivity and crystal structure 2024

Hirra Anwar Hassaan Bin Shahid Haseeb Ahmad Khadija Nasir Zeeshan Ali Ghulam Ali

Energy Storage , Volume 6, Issue 4, Article Number e628

Impact Factor: 3.600 | **Quartile:** 3 | **Citations:** 2
DOI: https://doi.org/10.1002/est2.628

Physiochemical and biological evaluation of stirrer- and autoclaved-based syntheses of cerium oxide nanoparticles using ginger (Zingiber officinale) extract 2024

Shahrukh Awan Anila Sajjad Zeeshan Ali Muhammad Zia

Emergent Materials , Volume 7, Pages 1129-1138

Impact Factor: 4.800 | **Quartile:** 2
DOI: 10.1007/s42247-024-00651-y

Unraveling the Fast Na Diffusion Kinetics of NASICON at High Voltage via High Entropy for Sodium-Ion Battery 2024

Muhammad Tayyab Ahsan Daping Qiu Zeeshan Ali Zhi Fang Wanting Zhao Tong Shen Yanglong Hou

Advanced Energy Materials, Volume 14, Issue 4, Article Number 2302733

Impact Factor: 24.4 | **Quartile:** 1 | **Citations:** 38
DOI: 10.1002/aenm.202302733

Nanoengineering of NiO/MnO2/GO Ternary Composite for Use in High-Energy Storage Asymmetric Supercapacitor and Oxygen Evolution Reaction (OER) 2023

Natasha Arshad Muhammad Usman Muhammad Adnan Mahrukh Rehman Sofia Javed Zeeshan Ali Muhammad Aftab Akram George P. Demopoulos Asif Mehmood Muhammad Tayyab Ahsan

Nanomaterials , Volume 13, Issue 1, Article Number 99

Impact Factor: 5.3 | **Quartile:** 1 | **Citations:** 27
DOI: https://doi.org/10.3390/nano13010099

Synthesis and morphological & biological characterization of Campsis radicans and Cascabela thevetia petals derived silver nanoparticles 2022

ShafiaTufail Zeeshan Ali Saad Hanif Anila Sajjad Muhammad Zia

Biochemical Systematics and Ecology , Volume 105, Article Number 104526

Impact Factor: 1.462 | **Quartile:** 4 | **Citations:** 6
DOI: 10.1016/j.bse.2022.104526

Green synthesized ZnO-Fe2O3-Co3O4 nanocomposite for antioxidant, microbial disinfection and degradation of pollutants from wastewater 2022

Sana Batool Murtaza Hasan Momina Dilshad Ayesha Zafar Tuba Tariq Aqeela Shaheen Rafia Iqbal Zeeshan Ali Tauseef Munawar Faisal Iqbal Shahbaz Gul Hassan Xugang Shu Giovanni Caprioli

Biochemical Systematics and Ecology , Volume 105, Article Number 104535

Impact Factor: 1.462 | **Quartile:** 4 | **Citations:** 52
DOI: 10.1016/j.bse.2022.104535

Binary metal selenide nanowires wrapped over carbon fibers for a binder-free anode of sodium-ion batteries 2022

Zeeshan Ali Muhammad Tayyab Ahsan Muhammad Ali

Journal of Alloys and Compounds, Volume 924, Article Number 166571

Impact Factor: 6.2 | **Quartile:** 1 | **Citations:** 10
DOI: https://doi.org/10.1016/j.jallcom.2022.166571

Rational Design of an Artificial SEI: Alloy/Solid Electrolyte Hybrid Layer for a Highly Reversible Na and K Metal Anode 2022

Dongjun Li Yingjie Sun Menghao Li Xiaolong Cheng Yu Yao Fanyang Huang Shuhong Jiao Meng Gu Xianhong Rui Zeeshan Ali Cheng Ma Zhong-Shuai Wu Yan Yu

ACS Nano , Volume 16(10), Pages 16966-16975

Impact Factor: 18.027 | **Quartile:** 1 | **Citations:** 58
DOI: 10.1021/acsnano.2c07049

Nano-architectured Cobalt selenide Spheres Anchored on Graphene Oxide sheets for Sodium Ion Battery Anode 2022

Zeeshan Ali Muhammad Ali Ahtisam Mehmood Ayesha Ishfaq Muhammad Aftab Akram Akif Zeb Xiaoming Lin

Frontiers in Materials, Volume 9, Article Number 950673

Impact Factor: 3.985 | **Quartile:** 2 | **Citations:** 5

DOI: 10.3389/fmats.2022.950673

MOF-Derived AlCuSe2 Embedded in a Carbon Matrix for an Economical Anode of Lithium-Ion Battery 2022

Muhammad Ali Muhammad Tayyab Ahsan Ahtisam Mehmood Ayesha Ishfaq Ghulam Ali Muhammad Aftab Akram Sofia Javed Zeeshan Ali

ACS Omega, Volume 7(34), Pages 30440-30446

Impact Factor: 4.132 | **Quartile:** 2 | **Citations:** 4

DOI: https://doi.org/10.1021/acsomega.2c03819

Investigating Role of Ammonia in Nitrogen-Doping and Suppressing Polyselenide Shuttle Effect in Na-Se Batteries 2022

Asif Muhammad Zeeshan Ali Muhammad Ali Muhammad Rashad

Journal of Colloid and Interface Science, Volume 617, Pages 641-650

Impact Factor: 9.965 | **Quartile:** 1 | **Citations:** 9

DOI: https://doi.org/10.1016/j.jcis.2022.03.024

Unfolding the structural features of NASICON materials for sodium-ion full cells 2022

Muhammad Tayyab Ahsan Zeeshan Ali Muhammad Usman Yanglong Hou

Carbon Energy, Pages 1-44

Impact Factor: 21.556 | **Quartile:** 1 | **Citations:** 79

DOI: 10.1002/cey2.222

Bifunctional Catalyst for Liquid–Solid Redox Conversion in Room-Temperature Sodium–Sulfur Batteries 2022

Wu Jiahui Zuxi Yu Yu Yao Lifeng Wang Ying Wu Xiaolong Cheng Zeeshan Ali Yan Yu

Small Structures, Volume: 03, Issue:08 Article Number: 2200020

Impact Factor: 11.343 | **Quartile:** 1 | **Citations:** 37

DOI: 10.1002/sstr.202200020

A pH-responsive biomimetic drug delivery nanosystem for targeted chemo-photothermal therapy of tumors 2022

Yanmin Ju Zhiyi Wang Zeeshan Ali Hongchen Zhang Yazhou Wang Nuo Xu Hui Yin Fugeng Sheng Yanglong Hou

Nano Research, Volume 15, Pages 4274-4284

Impact Factor: 10.269 | **Quartile:** 1 | **Citations:** 29

DOI: 10.1007/s12274-022-4077-0

Temperature and Tumor Microenvironment Dual Responsive Mesoporous Magnetic Nanospheres for Magnetothermal Effect Induced Cancer Theranostics 2022

Wang Zhiyi Shuren Wang Xiaogang Zhang Ziyuan Li Zeeshan Ali Donghai Yu Hongtao Zhang Fugeng Sheng Song Gao Yanglong Hou

CCS Chemistry, Pages 1-17

Impact Factor: N/A | **Citations:** 14

DOI: 10.31635/ccschem.022.202201805

Comparative analysis of synthesis, characterization, antimicrobial, antioxidant, and enzyme inhibition potential of roses petal based synthesized copper oxide nanoparticles 2022

Madiha Asghar Anila Sajjad Saad Hanif Joham Sarfraz Ali Zeeshan Ali Muhammad Zia

Materials Chemistry and Physics, Volume 278, Article Number 125724

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 29

DOI: 10.1016/j.matchemphys.2022.125724

Facile synthesis of iron-nickel-cobalt ternary oxide (FNCO) mesoporous nanowires as electrode material for supercapacitor application 2022

Muhammad Usman Muhammad Tayyab Ahsan Sofia Javed Zeeshan Ali Yiqiang Zhan Irfan Ahmed Sajid Butt Mohammad Islam Asif Mahmood M. Aftab Akram

Journal of Materiomics, Volume 8, Issue 1, Pages 221-228

Impact Factor: 8.589 | **Quartile:** 1 | **Citations:** 23

DOI: 10.1016/j.jmat.2021.03.012

Synergetic Effect of Binary ZnS:SnS Composites with Reduced Graphene Oxide and Carbon Nanotubes as Anodes for Sodium-Ion Batteries 2021

Afifa Sadaqat Ghulam Ali Zeeshan Ali Faiza Jan Iftikhar Mahmood ul Hasan

ACS Applied Energy Materials, Pages 1-10

Impact Factor: 6.959 | **Quartile:** 2 | **Citations:** 16

DOI: 10.1021/acsaem.1c02639

Trimetallic metal-organic framework nanoframe superstructures: A stress-buffering architecture engineering of anode material towards boosted lithium storage performance 2021

Jia Lin Chao Xu Man Lu Xiaoming Lin Zeeshan Ali Chenghui Zeng Xuan Xu Yifan Luo

Energy & Environmental Materials, Pages 1-11

Impact Factor: 13.443 | **Quartile:** 1 | **Citations:** 16

DOI: 10.1002/eem2.12284

Metal-organic framework-based materials for full cell systems: A review 2021

Jianen Zhou Chenghui Zeng Hong Ou Qingyun Yang Qiongyi Xie Akif Zeb Xiaoming Lin Zeeshan Ali Lei Hu

Journal of Materials Chemistry C, Volume 9, Pages 11030-11058

Impact Factor: 8.067 | **Quartile:** 1 | **Citations:** 38

DOI: 10.1039/D1TC01905H

Photoinduced Fabrication of Zinc Oxide Nanoparticles: Transformation of Morphological and Biological Response on Light Irradiance 2021

Anila Sajjad Sajjad Hussain Bhatti Zeeshan Ali Ghulam Hassnain Jaffari Nawazish Ali Khan Zarrin Fatima Rizvi Muhammad Zia

ACS Omega, Volume 6(17), Pages 11783–11793

Impact Factor: 3.512 | **Quartile:** 2 | **Citations:** 59

DOI: 10.1021/acsomega.1c01512

A mechanistic study of electrode materials for rechargeable batteries beyond lithium ions by in situ transmission electron microscopy 2021

Muhammad Yousaf Ufra Naseer Yiju Li Zeeshan Ali Nasir Mahmood Lei Wang Peng Gao Shaojun Guo

Energy and Environmental Sciences, Pages 1-38

Impact Factor: 38.532 | **Quartile:** 1 | **Citations:** 65

DOI: 10.1039/D0EE03295F

Bioinspired synthesis of zinc oxide Nano-flowers: A surface enhanced antibacterial and harvesting efficiency 2021

Shahbaz Gul Hassan Zeeshan Ali Ghazala Mustafa Touseef Munawar Muhammad Saqib Saif Tuba Tariq Faisal Iqbal Muhammad Waqas Khan Asif Mahmood Nasir Mahmood Xu-Gang Shu Murtaza Hasan Mahrukh Altaf Ayesha Zafar

Materials Science and Engineering: C, Volume 119, Article Number 111280

Impact Factor: 7.328 | **Quartile:** 1 | **Citations:** 127

DOI: 10.1016/j.msec.2020.111280

Nd2Fe14B hard magnetic powders: chemical synthesis and mechanism of coercivity 2021

Xiaobai Wang Kai Zhu Wei Li Junjie Xu Zeeshan Ali Yanglong Hou

Journal of Magnetism and Magnetic Materials, Volume 518, Article Number 167384

Impact Factor: 3.097 | **Quartile:** 3 | **Citations:** 10

DOI: 10.1016/j.jmmm.2020.167384

Quest for magnesium-sulfur batteries: Current challenges in electrolytes and cathode materials developments 2020

Muhammad Rashad Muhammad Asif Zeeshan Ali

Coordination Chemistry Reviews, Volume 415, Article Number 213312

Impact Factor: 22.315 | **Quartile:** 1 | **Citations:** 55

DOI: 10.1016/j.ccr.2020.213312

Electrochemical Intercalations of Divalent Ions inside Ni/Zn Co-Doped Cobalt Sulfide Nanoparticles Decorated Carbon Spheres with Superior Capacity 2020

Muhammad Asif Muhammad Rashad Zeeshan Ali

Nanoscale, Volume 12, Issue 26, Pages 14267-14278

Impact Factor: 7.790 | **Quartile:** 1 | **Citations:** 22

DOI: 10.1039/D0NR02761H

Enhancing through-plane thermal conductivity of fluoropolymer composite by developing in situ nano-urethane linkage at graphene-graphene interface 2020

Muhammad Maqbool Haichang Guo Akbar Bashir Ali Usman Adeel Y. Abid Guansong He Yanjuan Ren Zeeshan Ali Shulin Bai

Nano Research, Pages 1-8

Impact Factor: 8.897 | **Quartile:** 1 | **Citations:** 21

DOI: 10.1007/s12274-020-2921-7

3D Hierarchically Mesoporous Zinc-Nickel-Cobalt Ternary Oxide (Zn0.6Ni0.8Co1.6O4) Nanowires for High-Performance Asymmetric Supercapacitors 2020

Sofia Javed Zeeshan Ali Muhammad Aftab Akram Muhammad Tayyab Ahsan Muhammad Usman Rashad Ali Muhammad U. Farooq Asif Mahmood Muhammad Tayyab Ahsan Muhammad Usman Rashad Ali Muhammad U. Farooq Asif Mahmood

Frontiers in Chemistry, Volume 8, Article Nunber 487

Impact Factor: 5.221 | **Quartile:** 2 | **Citations:** 34

DOI: https://doi.org/10.3389/fchem.2020.00487

Carbon Fibers Embedded with Iron Selenide (Fe3Se4) as Anode for High-Performance Sodium and Potassium Ion Batteries 2020

Asif Mahmood Zeeshan Ali Hassina Tabassum Suraj Loomba Waseem Aftab Rashad Ali Muhammad Waqas Khan Ahmed Alluqmani Muhammad Adil Riaz Muhammad Yousaf Nasir Mahmood Muhammad Aftab Akram

Frontiers in Chemistry, Volume 8, Article Number 408

Impact Factor: 5.221 | **Quartile:** 2 | **Citations:** 34

DOI: 10.3389/fchem.2020.00408

Transition Metal Chalcogenide Anodes for Sodium Storage 2020

Zeeshan Ali Teng Zhang Muhammad Asif Lina Zhao Yan Yu Yanglong Hou

Materials Today, Volume 35, Pages 131-167

Impact Factor: 31.041 | **Quartile:** 1 | **Citations:** 239

DOI: 10.1016/j.mattod.2019.11.008

Efficient Oxygen Reduction Catalysts of Porous Carbon Nanostructures Decorated with Transition Metal Species 2020

Xiaoxiao Huang Tong Shen Teng Zhang Hailong Qiu Xingxing Gu Zeeshan Ali Yanglong Hou

Advanced Energy Materials, Volume 10, Issue 11, Article Number 1900375

Impact Factor: 29.368 | **Quartile:** 1 | **Citations:** 252

DOI: 10.1002/aenm.201900375

Confined Polysulfide Shuttle by Nickel Disulfide Nanoparticles Encapsulated in Graphene Nanoshells Synthesized by Cooking Oil 2020

Muhammad Asif Zeeshan Ali Hailong Qiu Muhammad Rashad Yanglong Hou

ACS Applied Energy Materials , Volume 3, Issue 4, Pages 3541–3552

Impact Factor: 6.024 | **Quartile:** 2 | **Citations:** 15

DOI: 10.1021/acsaem.0c00072

Green synthesis of iron oxide nanorods using Withania coagulans extract improved photocatalytic degradation and antimicrobial activity 2020

Shaheen Qasim Ayesha Zafar Muhammad Saqib Saif Zeeshan Ali Maryem Nazar Muhammad Waqas Ain Ul Haq Tuba Tariq Shahbaz Gul Hassan Faisal Iqbal Xu-Gang Shu Murtaza Hasan

Journal of Photochemistry and Photobiology B: Biology, Volume 204, Article Number 111784

Impact Factor: 6.252 | **Quartile:** 1 | **Citations:** 177

DOI: 10.1016/j.jphotobiol.2020.111784

Synthesis of Ternary Metal Oxide as a Positive Electrode for Mg-Li Hybrid Ion Batteries 2020

Muhammad Asif Muhammad Rashad Zeeshan Ali Iftikhar Ahmed

Nanoscale , Volume 12(2), Pages 924-932

Impact Factor: 7.790 | **Quartile:** 1 | **Citations:** 36

DOI: 10.1039/C9NR08758C

Monodisperse Fe3O4 spheres: Large-scale controlled synthesis in the absence of surfactants and chemical kinetic process 2019

Yana Li Zhiyi Wang Zeeshan Ali Kesong Tian Junjie Xu Wei Li Yanglong Hou

Science China Materials , Volume 62, Issue 10, Pages 1488–1495

Impact Factor: 6.098 | **Quartile:** 1 | **Citations:** 27

DOI: 10.1007/s40843-019-9466-x

Near-infrared light and tumor microenvironment dual responsive size-switchable nanocapsules for multimodal tumor theranostics 2019

Zhiyi Wang Yanmin Ju Zeeshan Ali Hui Yin Fugeng Sheng Jian Lin Baodui Wang Yanglong Hou

Nature Communications , Volume 10, Issue 01, Article Number 4418

Impact Factor: 12.121 | **Quartile:** 1 | **Citations:** 205

DOI: 10.1038/s41467-019-12142-4

A 3D Trilayered CNT/MoSe2/C Heterostructure with an Expanded MoSe2 Interlayer Spacing for an Efficient Sodium Storage 2019

Muhammad Yousaf Yunsong Wang Yijun Chen Zhipeng Wang Attia Firdous Zeeshan Ali Nasir Mahmood Ruqiang Zou Shaojun Guo Ray P. S. Han

Advanced Energy Materials, Volume 09, Issue 30, Article Number 1900567

Impact Factor: 25.245 | **Quartile:** 1 | **Citations:** 233

DOI: 10.1002/aenm.201900567

General Approach to Produce Nanostructured Binary Transition Metal Selenides as High-Performance Sodium Ion Battery Anodes 2019

Muhammad Asif Teng Zhang Xiaoxiao Huang Yanglong Hou Zeeshan Ali

Small, Volume 15, Issue 33, Article Number 1901995

Impact Factor: 11.459 | **Quartile:** 1 | **Citations:** 85

DOI: 10.1002/smll.201901995

Synthesis of silver nanoparticles using Fagonia cretica and their antimicrobial activities 2019

Hina Zulfiqar Muhammad Naveed Rasheed Zeeshan Ali Kinza Mehmood Abeer Mazher Murtaza Hasan Nasir Mahmood

Nanoscale Advances, Volume 01, Issue 05, Pages 1707-1713

Impact Factor: - | **Citations:** 108

DOI: 10.1039/C8NA00343B

A general strategy for facile synthesis of ultrathin transition metal hydroxide nanosheets 2019

Bing Dong Yanmin Ju Xiaoxiao Huang Wei Li Zeeshan Ali Hui Yin Fugeng Sheng Yanglong Hou

Nanoscale, Volume 11, Issue 12, Pages 5141-5144

Impact Factor: 6.895 | **Quartile:** 1 | **Citations:** 19

DOI: 10.1039/C8NR09492F

Porous NiCo2S4/Co9S8 Microcubes Templated by Sacrificial ZnO Spheres as an Efficient Bifunctional Oxygen Electrocatalyst 2019

Muhammad Sohail Riaz Xiaotao Yuan Yantao Zhao Chenlong Dong Shuying Nong Zeeshan Ali Fuqiang Huang

Advanced Sustainable Systems, Volume 03, Issue 05, Article Number 1800167

Impact Factor: 4.869 | **Quartile:** 1 | **Citations:** 23

DOI: 10.1002/adsu.201800167

Polar and conductive iron carbide@N-doped porous carbon nanosheets as a sulfur host for high performance lithium sulfur batteries 2019

Yazhou Wang Meng Li Lichun Xu Tianyu Tang Zeeshan Ali Xiaoxiao Huang Yanglong Hou Shanqing Zhang

Chemical Engineering Journal, Volume 358, Pages 962-968

Impact Factor: 10.652 | **Quartile:** 1 | **Citations:** 102

DOI: 10.1016/j.cej.2018.10.086

Ultrafast Sodium/Potassium-Ion Intercalation into Hierarchically Porous Thin Carbon Shells 2019

Asif Mahmood Shuai Li Zeeshan Ali Hassina Tabassum Bingjun Zhu Zibin Liang Wei Meng Waseem Aftab Wenhan Guo Hao Zhang Muhammad Yousaf Song Gao Ruqiang Zou Yusheng Zhao

Advanced Materials, Volume 31, Issue 02, Article Number 1805430

Impact Factor: 27.398 | **Quartile:** 1 | **Citations:** 220

DOI: 10.1002/adma.201805430

Fabrication of hierarchical hollow Mn doped Ni(OH)2 nanostructures with enhanced catalytic activity towards electrochemical oxidation of methanol 2019

Bing Dong Wei Li Xiaoxiao Huang Zeeshan Ali Teng Zhang Ziyu Yang Yanglong Hou

Nano Energy, Volume 55, Page 37-41

Impact Factor: 16.602 | **Quartile:** 1 | **Citations:** 111

DOI: 10.1016/j.nanoen.2018.10.050

N-doped Carbon Nanosheet Networks with Favorable Active Sites Triggered by Metal Nanoparticles as Bifunctional Oxygen Electro-catalysts 2018

Xiaoxiao Huang Yelong Zhang Haoming Shen Wei Li Tong Shen Zeeshan Ali Tianyu Tang Shaojun Guo Qiang Sun Yanglong Hou

ACS Energy Letters, Volume 03, Issue 12, Pages 2914-2920

Impact Factor: 16.331 | **Quartile:** 1 | **Citations:** 113

DOI: 10.1021/acsenergylett.8b01717

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2020

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