

Majid Ali

Associate Professor

US-Pakistan Center for Advanced Studies in Energy

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About

Dr. Majid Ali is working as Associate Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. Majid Ali has a PhD in Thermal Hydraulics. Dr. Majid Ali has published 76 research articles & conference papers having a citation count of 1745, carried out 13 projects and filed 0 intellectual property.

Qualifications

PhD in Thermal Hydraulics Harbin Engineering University , China	2009 - 2013
MSc in Physics University of the Punjab , Pakistan	2005 - 2007
BSc in Physics University of the Punjab , Pakistan	2003 - 2005

Experience

Associate Professor US-Pakistan Center for Advanced Studies in Energy	2024- Present
Associate Professor US-Pakistan Center for Advanced Studies in Energy	2022 - 2019
Associate Professor US-Pakistan Center for Advanced Studies in Energy	2019 - 2022
Assistant Professor Centre for Energy System	2014 - 2022
Assistant Professor Centre for Energy System	2013 - 2014

Research Projects

National Projects

Developing Climate Resilience Environment through Energy Transition and Knowledge Development Funding Agency: TARA Climate Foundation Amount: PKR 22,401,960.00 Status: Approved_inprocess	2024
Prototype development of smog free tower for sustainable urban environment Funding Agency: Pakistan Academy of Sciences Amount: PKR 13,579,283.00 Status: Approved_inprocess	2025
Creating Climate Resilience through Energy Transition: Fostering Innovation and Awareness in Pakistan Funding Agency: Tara Climate Ltd Amount: PKR 18,900,120.00 Status: Approved_inprocess	2023
Ducted Wind Turbines for Urban Areas Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Approved_inprocess	2024

To combat climate calamity by promoting energy transition In Pakistan through Knowledge creation, networking, and advocacy for enabling society.	2022
Funding Agency: Tara Climate Ltd	
Amount: PKR 11,312,840.00	
Status: Completed	
Indigenous Design, Manufacturing & Testing of Electric Vehicle Components for Sustainable Market Development	2022
Funding Agency: HEC	
Amount: PKR 113,159,267.00	
Status: Completed	
Fabrication of Pre-Heating System for Fixed Bed Steam Reforming Reactor for Clean Hydrogen (H2) Fuel Production	2021
Funding Agency: NUST	
Amount: PKR 300,000.00	
Status: Completed	
A sustainable grid energy modernization framework across 2050 horizon in Pakistan	2022
Funding Agency: HEC	
Amount: PKR 3,500,000.00	
Status: Approved_inprocess	
Prototype development of a Scalable Lithium-ion battery Pack Module with integrated Battery Management System	2021
Funding Agency: NUST	
Amount: PKR 300,000.00	
Status: Completed	
A Solar Driven Decentralized Small Scale Water Purification System for Remote Communities.	2021
Funding Agency: None	
Amount: PKR 290,570.00	
Status: Completed	
A Novel Solar Powered CCHP system Based on Evacuated Flat plate PV/T Collectors and Organic Rankine Cycle	2018
Funding Agency: PSF	
Amount: PKR 9,935,000.00	
Status: Completed	
Solar Space Heating Systems Integrated with Thermal Energy Storage	2018
Funding Agency: USAID	
Amount: PKR N/A	
Status: Completed	

International Projects

Industry Projects

National Projects

Techno-Economic Assessment Study of Coal Gasification Project for Thar Coal	2023
Client: Policy Research Institute For Equitable Development (PRIED)	
Amount: PKR 1,350,000.00	
Status: Approved_inprocess	

International Projects

Research Articles

Parametric analysis and prototype development of smog-free tower for sustainable urban environment	2025
<i>Muhammad Hamza sana yaqub Majid Ali Mustafa Anwar Abeera Ayaz Ansari Qazi Shahzad Ali Awais Bokhari Muhammad Murtaza Separation and Purification Technology, Volume 362, Part 2, Article Number 131776</i>	
Impact Factor: 8.100 Quartile: 1	
DOI: https://doi.org/10.1016/j.seppur.2025.131776	

- Dynamic performance evaluation of PCM-based PVT systems: combined impact of design modifications and Nanofluids** 2025
Adeel Waqas Ahmad Majid Ali Nusrat Jabeen
Journal of Energy Storage, Volume 121, Article Number 116645
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 1
DOI: <https://doi.org/10.1016/j.est.2025.116645>
- Performance evaluation and sensitivity analysis of a low- capacity single-effect LiBr-H₂O absorption cooling system using energy and exergy modeling** 2024
Syed Maaz Hasan Muhammad Saad Ul Haq Abdul Waheed Badar M Zahid Iqbal Qureshi Majid Ali M. Salman Siddiqi
Journal of Applied Science and Engineering, Volume 28, No 9, Page 1075-1715
Impact Factor: 1.100 | **Quartile:** 3
DOI: [https://doi.org/10.6180/jase.202509_28\(9\).0007](https://doi.org/10.6180/jase.202509_28(9).0007)
- Thermokinetic investigation of Polyethylene Terephthalate (PET) plastic over biomass fly ash (BFA) catalyst using pyrolysis process through non-isothermal thermogravimetric analysis** 2024
Ali Raza Waqar Ul Habib Khan Asif Hussain Khoja Arslan Khan Muhammad Hassan Rabia Liaquat Majid Ali Israf Ud Din Abdulaziz Al-Anazi
Sustainable Chemistry and Pharmacy, Volume: 42, Article Number: 101856, Pages:15
Impact Factor: 5.5 | **Quartile:** 1 | **Citations:** 2
DOI: <https://doi.org/10.1016/j.scp.2024.101856>
- Design, modeling and cost analysis of 8.79 MW solar photovoltaic power plant at National University of Sciences and Technology (NUST), Islamabad, Pakistan** 2024
Shabahaat Hasnain Qamar Dawid Piotr Hanak Majid Ali Joao Gomes Khalid Zia Khan
Scientific Reports, Volume 14, Article Number: 25351
Impact Factor: 3.800 | **Quartile:** 1 | **Citations:** 1
DOI: <https://doi.org/10.1038/s41598-024-74187-w>
- Recent advancements in perovskite materials and their DFT exploration for dry reforming of methane to syngas production** 2024
Mehboob Alam Uneeb Masood Khan Animesh Towfiq Partho Neha Kaushal Jawad Gul Nida Naeem Asif Hussain Khoja Mustafa Anwar Majid Ali Abdulaziz Al-Anazi Dai-Viet N. Vo Syed Muhammad Shuja
International Journal of Hydrogen Energy, Volume 87, Pages 1288-1326
Impact Factor: 8.100 | **Quartile:** 1 | **Citations:** 3
DOI: <https://doi.org/10.1016/j.ijhydene.2024.09.049>
- Thermal management of lithium-ion batteries using Kraft paper honeycomb wall based novel cooling system for electric vehicles- An experimental investigation** 2024
Kashif Mushtaq Hassan Abdullah Khalid Hassan Nazir Naseem Iqbal Majid Ali Aamir Khan Adeel Waqas
Journal of Energy Storage, Volume 97, Part A, Article Number 112677
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 2
DOI: <https://doi.org/10.1016/j.est.2024.112677>
- An effective parametric sensitivity analysis to improve electrical and thermal energy/exergy efficiency of PVT system using nanofluid** 2024
Nusrat Jabeen Hafiz Ali Haider Adeel Waqas Majid Ali
Process Safety and Environmental Protection, Volume 189, Pages 1037-1051
Impact Factor: 6.900 | **Quartile:** 1 | **Citations:** 9
DOI: <https://doi.org/10.1016/j.psep.2024.06.132>
- Experimental Investigation of Indirect Aqueous Inoculated Diesel Engine Performance in Urban-Area Driving for Mechanical Performance, Fuel Consumption and NO_x Emissions** 2024
Waqas Khalid Sami Ur Rehman Shah Emad Ud Din Muhammad Usman Bhutta Majid Ali Xavier Tazvia Asad Asghar Janjua
Emission Control Science and Technology, Pages 1-10
Impact Factor: 1.300 | **Quartile:** 3
DOI: <https://doi.org/10.1007/s40825-024-00250-7>
- Thermal management of Li-ion battery by using eutectic mixture of phase-change materials** 2024
Rao Rumman Ullah Khan Dr Naseem Iqbal Dr. Tayyaba Noor Dr. Majid Ali Aamir Khan Muhammad Waqas Nazar
Journal of Energy Storage, Volume 90, Part A, 2024, Article Number: 111858
Impact Factor: 9.4 | **Quartile:** 1 | **Citations:** 2
DOI: [10.1016/j.est.2024.111858](https://doi.org/10.1016/j.est.2024.111858)
- An experimental investigation on the novel hybrid indirect direct evaporative cooling system** 2024
Ibrahim Khan Waqas Khalid Hafiz Muhammad Ali Muhammad Sajid Zaib Ali Majid Ali

Impact Factor: 6.400 | **Quartile:** 1 | **Citations:** 16

DOI: <https://doi.org/10.1016/j.icheatmasstransfer.2024.107503>

Integration of very small modular reactors and renewable energy resources in the microgrid 2024

Muhammad Kazim Raza Mohammed Alghassab Abdullah Altamimi Zafar A. Khan Syed Ali Abbas Kazmi Majid Ali Uchenna Diala
Frontiers in Energy Research, Volume 12, Article Number 1365735

Impact Factor: 2.600 | **Quartile:** 3 | **Citations:** 3

DOI: [10.3389/fenrg.2024.1365735](https://doi.org/10.3389/fenrg.2024.1365735)

Experimental investigation of eutectic PCM incorporated clay brick for thermal management of building envelope 2024

Samad Ali Taj Waqas Khalid Hassan Nazir Aamir Khan Muhammad Sajid Adeel Waqas Arsalan Hussain Majid Ali Sheikh Ahmad Zaki
Journal of Energy Storage, Volume 84, Part A, Article Number 110838

Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 16

DOI: <https://doi.org/10.1016/j.est.2024.110838>

Unlocking the potential of passive cooling: A comprehensive experimental study of PV/PCM/TEC hybrid system for enhanced photovoltaic performance 2024

Ayesha Khan Nadia Shahzad Adeel Waqas Mariam Mahmood Majid Ali Shayan Umar
Journal of Energy Storage, Volume 80, Article Number: 110277

Impact Factor: 9.4 | **Quartile:** 1 | **Citations:** 28

DOI: [10.1016/j.est.2023.110277](https://doi.org/10.1016/j.est.2023.110277)

CFD analysis of iodine mass transfer coupled with a chemical reaction in a filtered containment venting system 2024

Muhammad Shummas Humayun Majid Ali Muhammad Uzair Qureshi Muhammad Bilal Khan Niazi Yan Changqi Sun Zongning Gu Hai Feng Yanmin Zhou
Progress in Nuclear Energy, Volume 168, Article Number 105012

Impact Factor: 2.7 | **Quartile:** 1 | **Citations:** 1

DOI: doi.org/10.1016/j.pnucene.2023.105012

Hybrid thermal management of Li-ion battery pack: An experimental study with eutectic PCM-embedded heat transfer fluid 2024

Aamir Khan Majid Ali Sana Yaqub Hassan Abdullah Khalid Rao Rumman Ullah Khan Kashif Mushtaq Hassan Nazir Zafar Said
Journal of Energy Storage, Volume 77, Article Number 109929

Impact Factor: 8.9 | **Quartile:** 1 | **Citations:** 20

DOI: doi.org/10.1016/j.est.2023.109929

Sustainable and cost-effective hybrid energy solution for arid regions: Floating solar photovoltaic with integrated pumped storage and conventional hydropower 2023

Adeel Javed Majid Ali Kafait Ullah Syed Ali Abbas Kazmi Jehanzeb Nasir
Journal of Energy Storage, Volume 74, Part B, Article Number 109417

Impact Factor: 9.4 | **Quartile:** 1 | **Citations:** 15

DOI: <https://doi.org/10.1016/j.est.2023.109417>

Evaluation of Centralized Management and Distributed Deployment of Photovoltaic System for Domestic Households 2023

Hamza Sadat Afshan Naseem Shahbaz Abbas Mehran Ullah Majid Ali Masood Raza
IEEE Access, Volume: 12, Page(s): 13290-13309

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

DOI: [10.1109/ACCESS.2023.3341213](https://doi.org/10.1109/ACCESS.2023.3341213)

Effect of surfactants on the stability and thermophysical properties of Al₂O₃+TiO₂ hybrid nanofluids 2023

Abdul Rehman Sana Yaqub Majid Ali Hassan Nazir Nadia Shahzad Sehar Shakir Rabia Liaquat Zafar Said
Journal of Molecular Liquids, Volume 391, Part B, Article Number 123350

Impact Factor: 6.0 | **Quartile:** 1 | **Citations:** 31

DOI: <https://doi.org/10.1016/j.molliq.2023.123350>

Techno-economic assessment of wind farm for sustainable power generation in Northern coastal region of Arabian sea 2023

Muhammad Zaid Masood Khan Hafiz Muhammad Abdur Rehman Abdul Kashif Janjua Adeel Waqas Sehar Shakir Majid Ali
Energy Reports, Volume 9, Pages 1278-1290

Impact Factor: 4.937 | **Quartile:** 2 | **Citations:** 5

DOI: <https://doi.org/10.1016/j.egy.2022.12.057>

- Experimental study to optimize the thermal performance of Li-ion cell using active and passive cooling techniques** 2023
Umer Iqbal Majid Ali Hassan Abdullah Khalid Adeel Waqas Mariam Mahmood Naveed Ahmed Nadia Shahzad Naseem Iqbal Khurram Mehboob
Journal of Energy Storage, Volume 70, Article Number 108013
Impact Factor: 9.4 | **Quartile:** 1 | **Citations:** 9
DOI: <https://doi.org/10.1016/j.est.2023.108013>
- Performance Evaluation of an Evacuated Flat-Plate Collector System for Domestic Hot Water Applications** 2023
Hamza Saeed Mariam Mahmood Hassan Nazir Adeel Waqas Naveed Ahmed Majid Ali Abdul Haseeb Muhammad Bilal Sajid
Journal of Solar Energy Engineering, Transactions of the ASME, Volume 145, Issue 5, Article Number:051006, Pages:12
Impact Factor: 2.3 | **Quartile:** 3 | **Citations:** 3
DOI: 10.1115/1.4056790
- Solar-assisted hybrid oil heating system for heavy refinery products storage** 2023
Naseer ahmad Khan Asif Hussain Khoja Naveed Ahmed Fahid Riaz Mariam Mahmood Majid Ali M.A Kalam M.A Mujtaba
Case Studies in Thermal Engineering, Volume 49, Article Number 103276
Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 7
DOI: <https://doi.org/10.1016/j.csite.2023.103276>
- Numerical analysis of a novel solar air heater design with V-ribs and jet cooling** 2023
Muhammad haroon Iqbal Naveed Ahmed Majid Ali Mumtaz A Qaisrani Mariam Mahmood Adeel Waqas Wasif Iqbal Muhammad Bilal Sajid
Sustainable Energy Technologies and Assessments, Volume 57, Article Number 103252
Impact Factor: 7.632 | **Quartile:** 2 | **Citations:** 23
DOI: doi.org/10.1016/j.seta.2023.103252
- Thermal management of Li-ion battery by using active and passive cooling method** 2023
Muhammad Waqas Nazar Naseem Iqbal Majid Ali Hassan Nazir M. Zain Bin Amjad
Journal of Energy Storage, Volume 61, Article Number 106800
Impact Factor: 8.907 | **Quartile:** 1 | **Citations:** 45
DOI: <https://doi.org/10.1016/j.est.2023.106800>
- Techno-economic feasibility analysis of hydrogen production by PtG concept and feeding it into a combined cycle power plant leading to sector coupling in future** 2023
Muhammad Haroon Bukhari Adeel Javed Syed Ali Abbas Kazmi Majid Ali Mateeb Talib Chaudhary
Energy Conversion and Management, Volume:282, Article Number:116814
Impact Factor: 10.4 | **Quartile:** 1 | **Citations:** 18
DOI: 10.1016/j.enconman.2023.116814
- Neutronic Analysis of SMART Reactor Core for (U-Th)O₂ and MOX Fuel Hybrid Configurations** 2023
Khurram Mehboob Yahya A. Al-Zahrani Abdulsalam Alhusawai Majid Ali
Arabian Journal for Science and Engineering, Pages 1-16
Impact Factor: 2.807 | **Quartile:** 2 | **Citations:** 2
DOI: <https://doi.org/10.1007/s13369-022-07541-7>
- Charging and discharging characterization of a novel combined sensible-latent heat thermal energy storage system by experimental investigations for medium temperature applications** 2022
Malik sarmad Zahid Naveed Ahmed Mumtaz A.Qaisrani Mariam Mahmood Majid Ali Adeel Waqas Mohsen Assadi
Journal of Energy Storage, Volume 55, Part C, Article Number 105612
Impact Factor: 8.907 | **Quartile:** 1 | **Citations:** 22
DOI: <https://doi.org/10.1016/j.est.2022.105612>
- Capacity optimization of pumped storage hydropower and its impact on an integrated conventional hydropower plant operation** 2022
Jehanzeb Nasir Adeel Javed Majid Ali Kafait Ullah Syed Ali Abbas Kazmi
Applied Energy, Volume 323, Article Number 119561
Impact Factor: 11.446 | **Quartile:** 1 | **Citations:** 54
DOI: <https://doi.org/10.1016/j.apenergy.2022.119561>
- Techno-economic and GHG mitigation analyses based on regional and seasonal variations of non-concentrating solar thermal collectors in textile sector of Pakistan** 2022
Rabia Liaquat Elia Nauroz Ali Majid Ali Adeel Waqas Nadia Shahzad
Renewable Energy Focus, Volume:42, Page:165-177
Impact Factor: 4.8 (ESCI) | **Citations:** 10

DOI: 10.1016/j.ref.2022.06.005

Carbonyl functional group assisted crystallization of mixed tin–lead narrow bandgap perovskite absorber in ambient conditions

2022

Abdul Sattar Nadia Shahzad Muhammad Ali Tariq Tanzeela Yousaf Muhammad Salik Qureshi Muhammad Imran Shahzad Rabia Liaquat Majid Ali
Applied Physics Letters, Volume 121, Issue 7, Article Number 073901

Impact Factor: 3.971 | **Quartile:** 2

DOI: <https://doi.org/10.1063/5.0099988>

Designing, Modelling and Experimental Investigation of Direct Evaporative Cooling System Coupled With Commercial Desiccant Dehumidifier

2022

Abdul Basit Mariam Mahmood Adeel Waqas Majid Ali Waqas Khalid
Journal of Thermal Science and Engineering Applications, Volume 14(7), Article Number 071006

Impact Factor: 1.470 | **Quartile:** 4 | **Citations:** 2

DOI: <https://doi.org/10.1115/1.4052378>

Techno-economic assessment of solar water heating systems for sustainable tourism in northern Pakistan

2022

Muhammad Naveed Arif Adeel Waqas Faaz Ahmed Butt Mariam Mahmood Asif Hussain Khoja Majid Ali Kafait Ullah M. A Mujtaba M.A Kalam
Alexandria Engineering Journal, Volume 61, Issue 7, Pages 5485-5499

Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 18

DOI: 10.1016/j.aej.2021.11.006

Modelling the cooling effectiveness of street trees with actual canopy drag and real transpiration rate under representative climatic conditions

2022

Muhammad Zeeshan Zaib Ali Muhammad Sajid Majid Ali Muhammad Usman
Journal of Building Performance Simulation, Pages 1-14

Impact Factor: 2.957 | **Quartile:** 2 | **Citations:** 10

DOI: <https://doi.org/10.1080/19401493.2022.2080865>

Multiparametric optimization of a reheated organic Rankine cycle for waste heat recovery based repowering of a degraded combined cycle gas turbine power plant

2022

Muhammad Reshaeel Adeel Javed Ahmad Jamil Majid Ali Mariam Mahmood Adeel Waqas Ahmad
Energy Conversion and Management, Volume 254, Article Number 115237

Impact Factor: 10.4 | **Quartile:** 1 | **Citations:** 30

DOI: <https://doi.org/10.1016/j.enconman.2022.115237>

Zeolitic imidazolate frameworks derived Co-Zn-nanoporous carbon-sulfide material for supercapacitors

2022

Rabia Ahmad Naseem Iqbal Tayyaba Noor Ghulam Ali Majid Ali Nadia Shehzad Muhammad Arslan Raza
Electrochimica Acta, Volume 404, Article Number 139739

Impact Factor: 6.901 | **Quartile:** 2 | **Citations:** 22

DOI: <https://doi.org/10.1016/j.electacta.2021.139739>

Multiparametric optimization for reduced condenser cooling water consumption in a degraded combined cycle gas turbine power plant from a water-energy nexus perspective

2021

Ahmad Jamil Adeel Javed Abdul Wajid Muhammad Omar Zeb Majid Ali Muhammad Imran Asif Hussain Khoja
Applied Energy, Volume 304, Article Number 117764

Impact Factor: 11.446 | **Quartile:** 1 | **Citations:** 12

DOI: <https://doi.org/10.1016/j.apenergy.2021.117764>

Performance evaluation of ORC system using evacuated flat plate Photovoltaic-Thermal collector as an evaporator

2021

Izaz Ahmed Qureshi Dr. Adeel Waqas Majid Ali Aamir Mehmood Adeel Javed
Solar Energy, Volume 230, Pages 859-873

Impact Factor: 7.188 | **Quartile:** 2 | **Citations:** 12

DOI: doi.org/10.1016/j.solener.2021.10.087

Partial oxidation of methane over CeO₂ loaded hydrotalcite (MgNiAl) catalyst for the production of hydrogen rich syngas (H₂, CO)

2021

Anees ul Hasnain Faaz Ahmed Butt Faisal Saleem Muhammad Taqi Mehran Rabia Liaquat Majid Ali Zaki Ismail Zaki Asif Hussain Khoja Mariam Ayesha
International Journal of Hydrogen Energy, Volume 46, Issue 74, Pages 36663-36677

Impact Factor: 5.816 | **Quartile:** 2 | **Citations:** 19

DOI: 10.1016/j.ijhydene.2021.08.169

- Thermal analysis of macro-encapsulated phase change material coupled with domestic gas heater for building heating** 2021
Fawad Ahmed Mariam Mahmood Naveed Ahmad Majid Ali Adeel Waqas
Sustainable Energy Technologies and Assessments, Volume 47, Article Number 101533
Impact Factor: 7.632 | **Quartile:** 2 | **Citations:** 11
DOI: <https://doi.org/10.1016/j.seta.2021.101533>
- Designing of homemade soiling station to explore soiling loss effects on PV modules** 2021
Naveed Hussain Nadia Shahzad Tanzeela Yousaf Adeel Waqas Ahad Hussain Javed Sheheryar Khan Majid Ali Rabia Liaquat
Solar Energy, Vol. 225, PP. 624–633
Impact Factor: 7.188 | **Quartile:** 2 | **Citations:** 12
DOI: <https://doi.org/10.1016/j.solener.2021.07.036>
- Synthesis of Ash Derived Co/Zeolite Catalyst for Hydrogen Rich Syngas Production via Partial Oxidation of Methane** 2021
Amer Zafar Bilal A. Khan Asif Hussain Khoja Uneeb Masood Khan Qassam Sarmad Muhammad Taqi Mehran Salman Raza Naqvi Majid Ali
Bulletin of Chemical Reaction Engineering and Catalysis, Volume 16(3), Pages 507-516
Impact Factor: 0 | **Citations:** 7
DOI: [10.9767/bcrec.16.3.10614.507-516](https://doi.org/10.9767/bcrec.16.3.10614.507-516)
- Synthesis and characterization of biomass-derived surface-modified activated carbon for enhance CO2 adsorption** 2021
Azeem Sarwar Majid Ali Asif Hussain Khoja Azra Nawar Adeel Waqas Rabia Liaquat Salman Raza Naqvi Muhammad Asjid
Journal of CO2 Utilization, Volume 46, Article Number 101476
Impact Factor: 7.132 | **Quartile:** 1 | **Citations:** 153
DOI: <https://doi.org/10.1016/j.jcou.2021.101476>
- Thermal Performance Evaluation of Circular-Stadium Double Pipe Thermal Energy Storage Systems** 2021
Muhammad Asjid Majid Ali Adeel Waqas Adeel Javed Nadia Shahzad Ali Abdullah Muhammad Umar Iqtidar
Journal of Energy Storage, Volume 36, Article Number 102403
Impact Factor: 8.907 | **Quartile:** 1 | **Citations:** 7
DOI: <https://doi.org/10.1016/j.est.2021.102403>
- Techno-economic evaluation of a solar PV integrated refrigeration system for a cold storage facility** 2021
Hamid Ikram Adeel Javed Mariam Mahmood Musannif Shah Majid Ali Adeel Waqas
Sustainable Energy Technologies and Assessments, Volume 44, Article Number 101063
Impact Factor: 7.632 | **Quartile:** 2 | **Citations:** 41
DOI: <https://doi.org/10.1016/j.seta.2021.101063>
- Numerical Investigation of Non-Uniform Flow in Twin-Silo Combustors and Impact on Axial Turbine Stage Performance** 2021
Hafiz Muhammad Hassan Adeel Javed Asif Hussain Khoja Majid Ali Muhammad Bilal Sajid
Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, Pages 1-13
Impact Factor: 1.616 | **Quartile:** 4 | **Citations:** 18
DOI: <https://doi.org/10.1177/0957650920982103>
- Enhanced CO2 capture using organic acid structure modified waste eggshell derived CaO sorbent** 2021
Azra Nawar Asif Hussain Khoja Mustafa Anwar Mariam Mahmood Adeel waqas Majid Ali
Journal of Environmental Chemical Engineering, Volume 9, Issue 1, Article Number 104871
Impact Factor: 7.968 | **Quartile:** 1 | **Citations:** 68
DOI: [10.1016/j.jece.2020.104871](https://doi.org/10.1016/j.jece.2020.104871)
- Effect of structural promoters on calcium based sorbents from waste derived sources** 2020
Azra Nawar Majid Ali Mariam Mahmood Mustafa Anwar Muhammad Zeeshan Ali Khan
Materials Today Communications, Volume 24, Article No. 101075
Impact Factor: 3.383 | **Quartile:** 2 | **Citations:** 12
DOI: [10.1016/j.mtcomm.2020.101075](https://doi.org/10.1016/j.mtcomm.2020.101075)
- Computational evaluation of an optimum leading-edge slat deflection angle for dynamic stall control in a novel urban-scale vertical axis wind turbine for low wind speed operation** 2020
Tariq Ullah Adeel Javed Ali Abdullah Majid Ali Emad Uddin
Sustainable Energy Technologies and Assessments, Volume 40, Article Number 100748
Impact Factor: 2.713 | **Quartile:** 1 | **Citations:** 52
DOI: <https://doi.org/10.1016/j.seta.2020.100748>

- Effect of Modified Flow Schemes of Heat Transfer Fluid on Performance of Solar Absorption- Cooling System for an Educational Building in Pakistan** 2020
Iftikhar Bashir Butt Jinwang Tan Asfand Yar Ali Iftikhar Bashir Butt Jinwang Tan Adeel Waqas Majid Ali Adeel Javed Asfand Yar Ali Applied Sciences , Volume 10, Issue 9, Article Number 3327
Impact Factor: 2.679 | **Quartile:** 2 | **Citations:** 7
DOI: <https://doi.org/10.3390/app10093327>
- Computational Fluid Dynamics (CFD) simulation for the prediction of the venturi scrubber performance using Finite Volume Method** 2020
Attaullah Muhammad Bilal Khan Niazi Muhammad Ahsan Majid Ali International Journal of Computing Science and Mathematics, Volume 11, Issue 4, Pages 338-346
Impact Factor: - | **Citations:** 2
DOI: 10.1504/IJCSM.2020.107601
- Experimental investigation of soiling losses and a novel costeffective cleaning system for PV modules** 2020
Nadia Shahzad Adeel Waqas Haider Sami Majid Ali Muhammad Rizwan Majeed Solar Energy , Volume 201, Pages 298-306
Impact Factor: 5.742 | **Quartile:** 2 | **Citations:** 84
DOI: doi.org/10.1016/j.solener.2020.03.014
- Empirical analysis of turbine and generator efficiency of a pico hydro system** 2020
Ibadullah Safdar Sara Sultan Hamza Ahmad Raza Muhammad Umer Majid Ali Sustainable Energy Technologies and Assessments, Volume 37, Article Number 100605
Impact Factor: 5.353 | **Quartile:** 2 | **Citations:** 14
DOI: <https://doi.org/10.1016/j.seta.2019.100605>
- Effect of different activation processes on CaO/fly ash mixture for CO2 Capture** 2020
Azra Nawar Adeel Javed Rashid Khan Majid Ali Adeel Waqas Naseem Iqbal Energy and Fuels , Volume 34, Issue 2, Pages 2035-2044
Impact Factor: 3.605 | **Quartile:** 2 | **Citations:** 30
DOI: <https://doi.org/10.1021/acs.energyfuels.9b03520>
- Recycling waste-derived marble powder for CO2 capture** 2019
Azra Nawar Ming Zhao Naseem Iqbal Rashid Khan Hosein Ghaedi Majid Ali Process Safety and Environmental Protection , Volume 132, Pages 214-225
Impact Factor: 4.966 | **Quartile:** 1 | **Citations:** 48
DOI: <https://doi.org/10.1016/j.psep.2019.10.005>
- Efficient One-Pot Synthesis of a Hexamethylenetetramine-Doped Cu-BDC Metal-Organic Framework with Enhanced CO2 Adsorption** 2019
Tayyaba Noor Aisha Asghar Naseem Iqbal Majid Ali Timothy L. Easun Nanomaterials , Volume 9, Issue 8, Article Number 1063
Impact Factor: 4.324 | **Quartile:** 2 | **Citations:** 30
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