

Majid Ali

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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</i> , Volume 362, Part 2, Article Number 131776	
Impact Factor: 8.100 Quartile: 1	
DOI: https://doi.org/10.1016/j.seppur.2025.131776	

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

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.egyr.2022.12.057>

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

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

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