

Journal Publications

S.No	Author – Department	Title of Publication	Impact Factor	Quartile ranking	HEC Recognized Category of the Journal
1	Dr. Abdul Wadood- Department of Electrical Engineering	Hybridization of PSO for the Optimal Coordination of Directional Overcurrent Protection Relays	2.397	Q2	X
2		Behavioral Modeling Paradigm for DC Nanogrid Based Distributed Energy Systems	3.004	Q2	W
3		An Optimization-Based Reliability Enhancement Scheme for Active Distribution Systems Utilizing Electric Vehicles	3.367	Q1	W
4		Thermo-Fluid Characteristics of Microchannel Heat Sink With Multi-Configuration NACA 2412 Hydrofoil Ribs	3.367	Q1	W
5		Optimal Management of a Distribution Feeder During Contingency and Overload Conditions by Harnessing the Flexibility of Smart Loads	3.367	Q1	W
6		Thermal Performance Investigation of Slotted Fin Minichannel Heat Sink for Microprocessor Cooling	3.004	Q2	W
7		Intelligent Islanding Detection of Microgrids Using Long Short-Term Memory Networks	3.004	Q2	W
8		An Optimized Adaptive Protection Scheme for Numerical and Directional Overcurrent Relay Coordination Using Harris Hawk Optimization	3.004	Q2	W
9		Fuzzy Logic-Based Duty Cycle Controller for the Energy Management System of Hybrid Electric Vehicles with Hybrid Energy Storage System	2.679	Q2	W
10		Minimization of Network Power Losses in the AC-DC Hybrid Distribution Network through Network Reconfiguration Using Soft Open Point.	2.397	Q2	X
11		Minimization of Network Power Losses in the AC-DC Hybrid	2.397	Q2	X

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		Distribution Network through Network Reconfiguration Using Soft Open Point			
12		An Improved Algorithm for AC Impedance Extraction	1.069	Q2	X
13		Design and Fabrication of Solar Thermal Energy Storage System Using Potash Alum as a PCM	3.004	Q2	W
14		A comparative study of supercapacitor-based STATCOM in a grid-connected photovoltaic system for regulating power quality issues	3.251	Q2	W
15		Nonlinear Control Design of a Half-Car Model Using Feedback Linearization and an LQR Controller	2.679	Q2	W
16	Dr. Shahbaz - Department of Electrical Engineering	Hybridization of PSO for the Optimal Coordination of Directional Overcurrent Protection Relays	2.397	Q2	X
17		Behavioral Modeling Paradigm for DC Nanogrid Based Distributed Energy Systems	3.004	Q2	W
18		Design and Fabrication of Solar Thermal Energy Storage System Using Potash Alum as a PCM	3.004	Q2	W
19		An Improved Algorithm for AC Impedance Extraction	1.069	Q3	X
20	Ms. Faiza Gul - Department of Electrical Engineering	A Consolidated Review of Path Planning and Optimization Techniques: Technical Perspectives and Future Directions	2.397	Q2	Yes
21		Multi-Robot Space Exploration: An Augmented Arithmetic Approach	3.367	Q1	Yes
22		Novel Implementation of Multi-Robot Space Exploration Utilizing Coordinated Multi-Robot Exploration and Frequency Modified Whale Optimization Algorithm	3.367	Q1	Yes
23	Mr. Bakht Muhammad - Department of Electrical Engineering	An Optimized Adaptive Protection Scheme for Numerical and Directional Overcurrent	3.004	Q-2	W

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		Relay Coordination Using Harris Hawk Optimization			
24		Behavioral Modeling Paradigm for DC Nanogrid Based Distributed Energy system	3.004	Q-2	W
25	Dr. Husan Ali - Department of Electrical Engineering	Effect of Cross-Sectional Geometry on Hydrothermal Behavior of Microchannel Heat Sink	3.328	Q2	X
26		Dynamic Modeling of a Nonlinear Two-Wheeled Robot Using Data-Driven Approach	2.847	Q2	X
27		Behavioral Modeling Paradigm for DC Nanogrid Based Distributed Energy Systems	3.004	Q2	W
28	Mr. Aseer - Department of Electrical Engineering	Dynamic Modeling of a Nonlinear Two-Wheeled Robot using Data-Driven Approach	2.847	Q2	X
29		Nonlinear Control Design of a Half-Car Model Using Feedback Linearization and an LQR Controller	2.474	Q1	X
30	Dr. Zabdur-Rehman – Department of Mechanical Engineering	Heat Transfer Augmentation through Different Jet Impingement Techniques: A State-of-the-Art Review	3.004	Q2	W
31		Thermal Performance Investigation of Slotted Fin Minichannel Heat Sink for Microprocessor Cooling	3.004	Q2	W
32		Thermo-Fluid Characteristics of Microchannel Heat Sink With Multi-Configuration NACA 2412 Hydrofoil Ribs	3.367	Q1	W
33		A comprehensive thermodynamic performance assessment of CO ₂ liquefaction and pressurization system using a heat pump for carbon capture and storage (CCS) process	9.709	Q1	W
34		Numerical Modeling of Ejector and Development of Improved Methods for the Design of Ejector-Assisted Refrigeration System	3.004	Q2	W

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35		In Situ Determination of Solid Fraction from the Measured Hydrate Slurry Flow Rate and Pressure Drop across Orifice	2.679	Q2	W
36		Vacuum degassing of aqueous tetrafluoroethane (R134a) solution during seawater desalination utilizing gas hydrate	9.501	Q1	W
37		Revealing the Effects of Microarc Oxidation on the Mechanical and Degradation Properties of Mg-Based Biodegradable Composites	3.512	Q1	W
38		Design and Fabrication of Solar Thermal Energy Storage System Using Potash Alum as a PCM	3.004	Q2	W
39					
40					
41	Dr. Saba Arif - Department of Mechanical Engineering	Feasibility study and economic analysis of grid connected solar powered net zero energy building(NZEB) of shopping mall for two different climates of Pakistan and Thailand	4.72	Q1	W
42		Techno economic evaluation of feasibility analysis of hybrid net zero energy building in Pakistan: A case study of hospital building	4.008	Q2	W
43		Development of a cost effective approach toward energy efficient buildings by design, fabrication and economic analysis of air conditioning pods	4.72	Q1	W
44		Design and Fabrication of underwater remotely operated vehicle	Scopus	Nil	Y
45		Effect of refrigeration assisted inter cooler turbo changing on Engine's horsepower	Scopus	Nil	Y
46		Mr. Faraz Ahmed - Department of Mechanical Engineering	Comparison of Ground-Based Global Horizontal Irradiance and	3.004	Q2
47	Effect of Cross-Sectional Geometry on Hydrothermal		3.328	Q2	X

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		Behavior of Microchannel Heat Sink			
48		Effect of Drilling Process Parameters on Brass Alloy 272 Through Experimental Techniques	NA	Q4	Y
49		Numerical solution of one-and two-dimensional time-fractional Burgers equation via Lucas polynomials coupled with Finite difference method	3.732	Q1	W
50		“Hydrothermal Investigation of the Performance of Microchannel Heat Sink using Dimensionless Parameters	3.328	Q2	X
51		“Thermo-Fluid Characteristics of Microchannel Heat Sink with Multi-Configuration NACA 2412 Hydrofoil Ribs	3.367	Q1	W
52		Numerical Investigation of Microchannel Heat Sink with Trefoil Shape Ribs	3.004	Q2	W
53		Thermodynamic Analysis of Microchannel Heat Sink with Cylindrical Ribs and Cavities	2.021	Q1	W
54	Mr. Fawad - Department of Mechanical Engineering	Thermal analysis of macro-encapsulated phase change material coupled with domestic gas heater for building heating	5.353	Q1	W
55		Heat Transfer Augmentation through Different Jet Impingement Techniques: A State-of-the-Art Review	3.004	Q2	W
56	Mr. Safeer Mehdi – Department of Mechanical Engineering	Experimental Study of a Lab-Scale Organic Rankine Cycle System for Heat and Water Recovery from Flue Gas in Thermal System Power Plants	3.004	Q2	W
57	Wg Cdr Dr. Imran Mir – Department of Avionics Engineering	A stability perspective of bio-inspired UAVs performing dynamic soaring optimally	2.956	Q1	W
58		A Consolidated Review of Path Planning and Optimization Techniques: Technical Perspectives and Future Directions	2.397	Q2	Yes

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59		Multi-Robot Space Exploration: An Augmented Arithmetic Approach	3.367	Q1	W
60		Meta-heuristic approach for solving multi-objective path planning for autonomous guided robot using PSO–GWO optimization algorithm with evolutionary programming	7.104	Q1	W
61		Novel Implementation of Multi-Robot Space Exploration Utilizing Coordinated Multi-Robot Exploration and Frequency Modified Whale Optimization Algorithm	3.367	Q1	W
62	Dr. Danish Habib – Department of Business Administration	Does religiosity matter in impulsive psychology buying behaviors? A mediating model and empirical application	4.297	Q2	X
63		Female directors on corporate boards and their impact on corporate social responsibility (CSR): evidence from China	2.489	Q2	X
64		Drivers of food waste reduction behaviour in the household context	5.565	Q1	W
65		Sustainability of Household Food Waste Reduction: A Fresh Insight on Youth’s Emotional and Cognitive Behaviors	3.39	Q2	W
66		A model and empirical examination of influencing factors of customer satisfaction and service performance through interactional quality	-	-	Y
67	Dr. Danish Habib – Department of Business Administration	COVID-19, Impact of External Environment in the Formation of Students’ Satisfaction as well as Subjective Well-Being in the Context of E-learning	-	-	Y
68		Academic directors in board and corporate expropriation: Evidence from China	0.975	Q3	X
69		Why did I buy this? Purchase regret and repeat purchase intentions: A model and empirical application	0.955	-	X

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70		A model and empirical examination of influencing factors of customer satisfaction and service performance through interactional quality	-	-	X
71		Religiosity and impulsive buying tendencies: a model and empirical application	-	-	Y
72		Female directors on corporate boards and their impact on corporate social responsibility (CSR): evidence from China	2.77	Q2	X
73		Academic directors in board and corporate expropriation: Evidence from China	0.975	Q3	X
74		Board diversity, financial flexibility and corporate innovation: evidence from China	3.500	Q1	W
75		Corporate Governance Quality, Ownership Structure, Agency Costs and Firm Performance. Evidence from an Emerging Economy	-	-	Y
76		The Effect of Board Diversity on Firm Performance: Evidence from Chinese Listed Companies	-	Q3	Y