

Journal Publications (Impact Factor only) FY-2020 (Faculty Wise)

Campus	Name of Faculty	Journal Publications (IF)	Impact Factor	Total Publications
1	LHR Dr. Imran Ghous	ZhaoxiaDuan, Imran Ghous, Yuanqing Xia, Jahanzeb Akhtar, H [∞] Control Problem of Discrete 2-D Switched Mixed Delayed Systems Using the Improved Lyapunov-Krasovskii Functional, International Journal of Control, Automation and Systems, 2020 Aug;18(8):2075-87	2.733	4
2		Imran Ghous, Jian Lu, Waqas Hussain, Observer-based H [∞] control for discrete time one-sided Lipschitz Markovian jump delayed systems under partially unknown transition probabilities, Journal of the Franklin Institute, 2020 Sep 1;357(13):8611-30.	4.036	
3		Jinna Fu, ZhaoxiaDuan, Imran Ghous, l1-induced norm and controller synthesis for positive 2D systems with multiple delays, Journal of the Franklin Institute, 2020 Aug 1;357(12):7904-20.	4.036	
4		Imran Ghous, Jian Lu, Robust Observer Design for Two-dimensional Discrete Positive Switched Systems with Delays, IEEE Transactions on Circuits and Systems II: Express Briefs, 2020 Apr 9.	2.814	
5	LHR Dr Khurram Ali	K. Ali, M. Tahir, Maximum Likelihood Based Robust State Estimation Over a Horizon Length during Measurement Outliers, Transactions of the Institute of Measurement and Control, 2020 Jul 10:0142331220928896.	1.956	4
6		H. Shoukat, M. Tahir, K. Ali, Approximate GP Inference for Nonlinear Dynamical System Identification Using Data-Driven Basis Set, IEEE Access, 2020 May 12;8:90665-75.	4.098	
7		M. Javed, M. Tahir, K. Ali, Cascaded Kalman Filtering-Based Attitude and Gyro Bias Estimation With Efficient Compensation of External Accelerations, IEEE Access, 2020 Mar 11;8:50022-35.	4.098	
8		N. Raza, M. Tahir, K. Ali, k-sparse Extreme Learning Machine, Electronics Letters, 2020 Sep 25;56(23):1277-80.	1.316	
9	LHR Dr Jahangir Arshad	S. Saleem, A. Saeed, S. Usman, J. Ferzund, Jahangir Arshad, J. Mirza, T. Manzoor, Granger causal analysis of electrohysterographic and tocographic recordings for classification of term vs. preterm births, Biocybernetics and Biomedical Engineering, 2020 Jan 1;40(1):454-67.	2.537	3
10		Jahangir Arshad, Rehman A, Rehman AU, Ullah R, Hwang SO. Spectral efficiency augmentation in uplink massive MIMO systems by increasing transmit power and uniform linear array gain. Sensors. 2020 Jan;20(17):4982.	3.275	
11		Asif RM, Jahangir Arshad, Shakir M, Noman SM, Rehman AU. Energy Efficiency Augmentation in Massive MIMO Systems through Linear Precoding Schemes and Power Consumption Modeling. Wireless Communications and Mobile Computing. 2020 Sep 17;2020.	1.819	
12	LHR Dr Sobia Baig	Anees, J.; Zhang, H.-C.; Baig, S.; GueneLougou, B.; Robert Bona, T.G., Hesitant Fuzzy Entropy-Based Opportunistic Clustering and Data Fusion Algorithm for Heterogeneous Wireless Sensor Network, Wireless Sensor Network, Sensors, 2020 Jan;20(3):913.	3.031	3
13		Tariq Umer ; Usman Ali ; Sobia Baig ; Zhiguo Ding, Performance Analysis of Discrete Wavelet Transform for Downlink Non-Orthogonal Multiple Access in 5G Networks, IET Communications, 2020 Mar 17;14(10):1666-74.	1.779	
14		Bilal Masood , M. Arif Khan, Sobia Baig , Guobing Song, Ateeq Ur Rehman, Saif Ur Rehman, Rao M. Asifand Muhammad Babar Rasheed, Investigation of Deterministic, Statistical and Parametric NB-PLC Channel Modeling Techniques for Advanced Metering Infrastructure, Energies, 2020 Jan;13(12):3098.	2.702	
15	LHR Dr Naeem Shehzad	Muhammad Naeem Shehzad, Bashir Q, Farooq U, Ahmed G, Raza M, Kumar PM, Khalid M. Threshold Temperature Scaling: Heuristic to Address Temperature and Power Issues in MPSoCs. Microprocessors and Microsystems. 2020 May 16:103124.	1.16	1
16	LHR Dr Muhammad Jawad	N. Shabbir, M. Usman, M. Jawad, M. H. Zafar, M. N. Iqbal, and L. Kutt. Economic analysis and impact on national grid by domestic photovoltaic system installations in Pakistan. Renewable Energy. 2020 Jun 1;153:509-21.	6.274	3
17		M. Jawad, M. Bilal Qureshi, et al A Cost-Effective Electric Vehicle Intelligent Charge Scheduling Method for Commercial Smart Parking Lots Using a Simplified Convex Relaxation Technique, Sensors. 2020 Jan;20(17):4842.	3.275	
18		W. Ahmed, H. Ansari, et al, Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts, IEEE Access. 2020 Oct 9;8:185059-78.	3.745	
19	LHR Dr Mirza Tariq Hamayun, Saleem Akhtar, Ejaz Ahmad Ansari, and Imran Ghous	Barkat A, Hamayun MT, Ijaz S, Akhtar S, Ansari EA, Ghous I. Model identification and real-time implementation of a linear parameter-varying control scheme on lab-based inverted pendulum system. Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering. 2020 Jul 21;235(1):30-8.	1.6	3
20		*S.IjazDr M.T Hamayun, Adaptive Nonlinear Integral Sliding Mode Fault Tolerant Control Allocation Scheme for Octorotor UAV System, IET Control Theory & Applications	3.526	
21		*M. Ashraf, S. Ijaz, M.T. Hamayun, An Integral Sliding Mode Fault Tolerant Control for a Class of Nonlinear Lipschitz Systems, IET Control Theory & Applications	3.526	
22	LHR Dr Jawad, I. Khosa, J. akhtar, I. Ghous	N. Taimoor, I. Khosa, M. Jawad, J. Akhtar, I. Ghous, M. B. Qureshi, A. R. Ansari, R. Nawaz , Power Outage Estimation: The Study of Revenue-led Top Affected States of U.S. IEEE Access, doi: 10.1109/ACCESS.2020.3043630.	3.745	1
23	LHR Miss Sara Sajid and Dr Muhammad Jawad	S. Sajid, M. Jawad et al, Blockchain-based decentralized workload and energy management of geo-distributed data centers, Sustainable Computing: Informatics and Systems, 2020 Oct 15:100461	2.798	1
24	LHR Dr Mujtaba Hassan Jaffery	Kashif Nazara, Mujtaba Hassan Jaffery, Design of 1 kW high temperature PEM fuel cell system and performance analysis under different operating conditions Current Applied Physics, https://doi.org/10.1016/j.ca p.2020.05.005 2020	2.281	1
25	LHR Mr. Faisal Tariq	Faisal Tariq, Salem Alelyani, et al, Solving Renewables-Integrated Economic Load Dispatch Problem by Variant of Metaheuristic Bat-Inspired Algorithm, Energies, 2020 Jan;13(23):6225.	2.702	1
			74.862	
		* Accepted for publication, DOI will be shared soon.		

Summary of Publications (Department wise):

Total Impact Factor of all Publications	Total Number of IF Publications
74.862	25