Sammana Batool

List of Publications by Year
in descending order

60 papers	867 citations	567281 15 h-index	526287 27 g-index
61 all docs	61 docs citations	61 times ranked	806 citing authors

#	Article	IF	Citations
1	A Critical Review of Sustainable Energy Policies for the Promotion of Renewable Energy Sources. Sustainability, 2020, 12, 5078.	3.2	176
2	Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment. Sustainability, 2020, 12, 5186.	3.2	81
3	A Review of Electricity Demand Forecasting in Low and Middle Income Countries: The Demand Determinants and Horizons. Sustainability, 2020, 12, 5931.	3.2	54
4	A frequency weighted model order reduction technique and error bounds. Automatica, 2014, 50, 3304-3309.	5.0	45
5	Model Reduction of Large Scale Descriptor Systems Using Time Limited Gramians. Asian Journal of Control, 2017, 19, 1217-1227.	3.0	30
6	A Frequency Limited Interval Gramians-Based Model Reduction Technique with Error Bounds. Circuits, Systems, and Signal Processing, 2015, 34, 3505-3519.	2.0	29
7	Stability Preserving Model Reduction Technique and Error Bounds Using Frequency-Limited Gramians for Discrete-Time Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 716-720.	3.0	27
8	Energy Efficient Resource Allocation for Energy Harvesting Aided H-CRAN. IEEE Access, 2018, 6, 43990-44001.	4.2	27
9	Performance Evaluation of a Direct Absorption Collector for Solar Thermal Energy Conversion. Energies, 2020, 13, 4956.	3.1	24
10	Frequency Limited Model Reduction Techniques With Error Bounds. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 86-90.	3.0	22
11	Optical optimization of double-side-textured monolithic perovskite–silicon tandem solar cells for improved light management. RSC Advances, 2020, 10, 26631-26638.	3.6	20
12	Composite Multi-Criteria Decision Analysis for Optimization of Hybrid Renewable Energy Systems for Geopolitical Zones in Nigeria. Sustainability, 2020, 12, 5732.	3.2	18
13	Thermo-economic and environmental analysis of integrating renewable energy sources in a district heating and cooling network. Energy Efficiency, 2020, 13, 79-100.	2.8	17
14	Frequency Weighted Model Order Reduction Technique and Error Bounds for Discrete Time Systems. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	16
15	Efficient broadband light absorption in thin-film a-Si solar cell based on double sided hybrid bi-metallic nanogratings. RSC Advances, 2020, 10, 11836-11842.	3.6	16
16	Time-limited Gramians-based model order reduction for second-order form systems. Transactions of the Institute of Measurement and Control, 2019, 41, 2310-2318.	1.7	15
17	A New Frequency-Limited Interval Gramians-Based Model Order Reduction Technique. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 680-684.	3.0	14
18	Development of Frequency Weighted Model Reduction Algorithm with Error Bound: Application to Doubly Fed Induction Generator Based Wind Turbines for Power System. Electronics (Switzerland), 2021, 10, 44.	3.1	14

#	Article	IF	Citations
19	Frequency Limited & Weighted Model Reduction Algorithm With Error Bound: Application to Discrete-Time Doubly Fed Induction Generator Based Wind Turbines for Power System. IEEE Access, 2021, 9, 9505-9534.	4.2	12
20	Systematic Development of Short-Term Load Forecasting Models for the Electric Power Utilities: The Case of Pakistan. IEEE Access, 2021, 9, 140281-140297.	4.2	12
21	ROCA: Autoâ€resolving overlapping and conflicts in Access Control List policies for Software Defined Networking. International Journal of Communication Systems, 2021, 34, e4815.	2.5	11
22	Stability Preserving Model Reduction Technique for Weighted and Limited Interval Discrete-Time Systems With Error Bound. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3281-3285.	3.0	11
23	Passivity Preserving Frequency Weighted Model Order Reduction Technique. Circuits, Systems, and Signal Processing, 2017, 36, 4388-4400.	2.0	10
24	Effect of Phase Change Material Storage on the Dynamic Performance of a Direct Vapor Generation Solar Organic Rankine Cycle System. Energies, 2020, 13, 5904.	3.1	9
25	Thermodynamic Performance Analysis of Hydrofluoroolefins (HFO) Refrigerants in Commercial Air-Conditioning Systems for Sustainable Environment. Processes, 2020, 8, 187.	2.8	9
26	Stability Preserving Model Reduction Technique for 1-D and 2-D Systems With Error Bounds. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1084-1088.	3.0	9
27	Transformation of 2D Roesser into Causal Recursive Separable Denominator Model and Decomposition into 1D Systems. Circuits, Systems, and Signal Processing, 2021, 40, 3561-3572.	2.0	9
28	5G Cellular Networks: Coverage Analysis in the Presence of Inter-Cell Interference and Intentional Jammers. Electronics (Switzerland), 2020, 9, 1538.	3.1	8
29	Development of Frequency Limited Model Reduction Algorithm with Error Bound and Application to Continuous-Time Variable-Speed Wind Turbines for Power System. , 2020, , .		8
30	Performance Assessment and Working Fluid Selection for Novel Integrated Vapor Compression Cycle and Organic Rankine Cycle for Ultra Low Grade Waste Heat Recovery. Sustainability, 2021, 13, 11592.	3.2	8
31	Exergetic performance and comparative assessment of bottoming power cycles operating with carbon dioxideâ€"based binary mixture as working fluid. International Journal of Energy Research, 2020, 44, 7957-7973.	4.5	7
32	A PCA-DWT-SVD based color image watermarking. , 2012, , .		6
33	Optimal Distribution of Renewable Energy Systems Considering Aging and Long-Term Weather Effect in Net-Zero Energy Building Design. Sustainability, 2020, 12, 5570.	3.2	6
34	Face Recognition System Based on Four State Hidden Markov Model. IEEE Access, 2022, 10, 74436-74448.	4.2	6
35	Numerical Modeling of Ejector and Development of Improved Methods for the Design of Ejector-Assisted Refrigeration System. Energies, 2020, 13, 5835.	3.1	5
36	Waste Heat Recovery from Diesel Engine Exhaust Using a Single-Screw Expander Organic Rankine Cycle System: Experimental Investigation of Exergy Destruction. Energies, 2020, 13, 5914.	3.1	5

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37	Development of model reduction technique for weighted and limited-intervals gramians for discrete-time systems via balanced structure with error bound. International Journal of Dynamics and Control, 2022, 10, 1109-1118.	2.5	5
38	Optimality of Linear MIMO Detection for 5G Systems via 1-Opt Local Search. Journal of Electrical Engineering and Technology, 2021, 16, 1099-1108.	2.0	5
39	Accuracy Enhancing Model Reduction Technique for Weighted and Limited Interval Systems with Error Bound. Journal of Control, Automation and Electrical Systems, 2022, 33, 793-805.	2.0	5
40	Prospects of Hybrid Energy in Saudi Arabia, Exploring Irrigation Application in Shaqra. Sustainability, 2022, 14, 5397.	3.2	5
41	Frequency weighted passivity preserving model reduction technique. IMA Journal of Mathematical Control and Information, 2018, 35, 837-844.	1.7	4
42	Model Reduction of Discrete Time Systems using Time Limited Gramians. , 2018, , .		4
43	EDHBPSO: Enhanced Differential Harmony Binary Particle Swarm Optimization for Demand Side Management in Smart Grid. , 2018, , .		4
44	Positive-Real Truncated Balanced Realization based Frequency-Weighted Model reduction. , 2019, , .		4
45	Improving the light absorption efficiency in thin-film plasmonic tandem solar cell. Journal of Optics (India), 2021, 50, 201-208.	1.7	4
46	Techno-Economic and Environmental Impact Analysis of Large-Scale Wind Farms Integration in Weak Transmission Grid from Mid-Career Repowering Perspective. Sustainability, 2022, 14, 2507.	3.2	4
47	ADAPT: A Write Disturbance-Aware Programming Technique for Scaled Phase Change Memory. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 950-963.	2.7	3
48	Background subtraction in videos using LRMF and CWM algorithm. Journal of Real-Time Image Processing, 2021, 18, 1195-1206.	3.5	3
49	Efficient hybrid Neumann series based MMSE assisted detection for 5G and beyond massive MIMO systems. IET Communications, 2020, 14, 4142-4151.	2.2	3
50	Development of Frequency Weighted Model Order Reduction Techniques for Discrete-Time One-Dimensional and Two-Dimensional Linear Systems With Error Bounds. IEEE Access, 2022, 10, 15096-15117.	4.2	3
51	Study on E-Voting Systems: A Blockchain Based Approach. , 2021, , .		3
52	Model order reduction framework for discrete-time systems with error bound via balanced structure. International Journal of Systems Science, 2022, 53, 3081-3094.	5.5	3
53	Improved Frequency Limited Model Reduction. , 2018, , .		2
54	Energy Efficiency Maximization in Green Energy Aided Heterogeneous Cloud Radio Access Networks. , 2020, , .		2

#	Article	IF	Citations
55	A Review: Ubiquitous Healthcare Monitoring with Mobile Phone. , 2018, , .		1
56	TBEENISH: Threshold Balanced Energy Efficient Network Integrated Super Heterogeneous Protocol for WSNs. , 2018, , .		1
57	Channel-specific Frequency-limited Model Reduction. , 2019, , .		1
58	Development of Model Reduction Framework for Continuous-Time Weighted and Limited-Interval Systems. Arabian Journal for Science and Engineering, 2022, 47, 14745-14756.	3.0	1
59	Improved Frequency Weighted Model Order Reduction Techniques. , 2021, , .		0
60	Erratum to â€œSystematic Development of Short-Term Load Forecasting Models for the Electric Power Utilities: The Case of Pakistanâ€. IEEE Access, 2021, 9, 154378-154379.	4.2	0