

Mohammad Mardaneh

List of Publications by Year in descending order

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papers

1,224
citations

430874

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395702

33
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68
docs citations

68
times ranked

1229
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Grid Voltage Fundamental and Harmonic Components Using Kalman Filter and Generalized Averaging Method. IEEE Transactions on Power Electronics, 2016, 31, 1064-1073.	7.9	102
2	Harmonic Elimination in Multilevel Inverters Under Unbalanced Voltages and Switching Deviation Using a New Stochastic Strategy. IEEE Transactions on Industrial Informatics, 2016, 12, 716-725.	11.3	80
3	A Dual Inductor High Step-Up DC/DC Converter Based on the Cockcroft-Walton Multiplier. IEEE Transactions on Power Electronics, 2018, 33, 9699-9709.	7.9	71
4	2-D Analytical Magnetic Field Prediction for Consequent-Pole Permanent Magnet Synchronous Machines. IEEE Transactions on Magnetics, 2016, 52, 1-14.	2.1	59
5	Flexible power system operation accommodating uncertain wind power generation using transmission topology control: an improved linearised AC SCUC model. IET Generation, Transmission and Distribution, 2017, 11, 142-153.	2.5	56
6	Analytical 2-D Calculations of Torque, Inductance, and Back-EMF for Brushless Slotless Machines With Surface Inset Magnets. IEEE Transactions on Magnetics, 2013, 49, 4873-4884.	2.1	55
7	Two Symmetric Extended-Boost Embedded Switched-Inductor Quasi-Z-Source Inverter With Reduced Ripple Continuous Input Current. IEEE Transactions on Industrial Electronics, 2018, 65, 5096-5104.	7.9	51
8	Analytical 2-D Model of Slotted Brushless Machines With Cubic Spoke-Type Permanent Magnets. IEEE Transactions on Energy Conversion, 2018, 33, 373-382.	5.2	49
9	DoS-Resilient Distributed Optimal Scheduling in a Fog Supporting IIoT-Based Smart Microgrid. IEEE Transactions on Industry Applications, 2020, 56, 2968-2977.	4.9	48
10	A New "Doctor and Patient" Optimization Algorithm: An Application to Energy Commitment Problem. Applied Sciences (Switzerland), 2020, 10, 5791.	2.5	42
11	Managing the risk of uncertain wind power generation in flexible power systems using information gap decision theory. Energy, 2016, 114, 846-861.	8.8	38
12	Football Game Based Optimization: an Application to Solve Energy Commitment Problem. International Journal of Intelligent Engineering and Systems, 2020, 13, 514-523.	0.6	38
13	Transmission switching, demand response and energy storage systems in an innovative integrated scheme for managing the uncertainty of wind power generation. International Journal of Electrical Power and Energy Systems, 2018, 98, 72-84.	5.5	37
14	Exploring the reliability effects on the short term AC security-constrained unit commitment: A stochastic evaluation. Energy, 2016, 114, 1016-1032.	8.8	33
15	2-D Analytical Model for External Rotor Brushless PM Machines. IEEE Transactions on Energy Conversion, 2016, 31, 1100-1109.	5.2	29
16	Securing highly penetrated wind energy systems using linearized transmission switching mechanism. Applied Energy, 2017, 190, 1207-1220.	10.1	29
17	Moving beyond the optimal transmission switching: stochastic linearised SCUC for the integration of wind power generation and equipment failures uncertainties. IET Generation, Transmission and Distribution, 2018, 12, 3780-3792.	2.5	25
18	Two-dimensional analytical investigation of the parameters and the effects of magnetisation patterns on the performance of coaxial magnetic gears. IET Electrical Systems in Transportation, 2017, 7, 230-245.	2.4	24

#	ARTICLE	IF	CITATIONS
19	Frequency control of a new topology in proton exchange membrane fuel cell/wind turbine/photovoltaic/ultra-capacitor/battery energy storage system based isolated networks by a novel intelligent controller. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	18
20	Analytical Energy-Based Approaches for Cogging Torque Calculation in Surface-Mounted PM Motors. IEEE Transactions on Magnetics, 2019, 55, 1-10.	2.1	18
21	Genetic Algorithm for Energy Commitment in a Power System Supplied by Multiple Energy Carriers. Sustainability, 2020, 12, 10053.	3.2	18
22	SPRING SEARCH ALGORITHM FOR SIMULTANEOUS PLACEMENT OF DISTRIBUTED GENERATION AND CAPACITORS. Electrical Engineering & Electromechanics, 2018, .	0.6	18
23	Phase-shift control and harmonics elimination for H-bridge Z-source inverter. IET Power Electronics, 2015, 8, 618-627.	2.1	17
24	Energy Commitment for a Power System Supplied by Multiple Energy Carriers System using Following Optimization Algorithm. Applied Sciences (Switzerland), 2020, 10, 5862.	2.5	16
25	Improving the Decoupled Double SRF PLL for grid connected power converters. , 2014, , .		15
26	2D analytical model for heteropolar active magnetic bearings considering eccentricity. IET Electric Power Applications, 2018, 12, 614-626.	1.8	15
27	A new method for SVC placement considering FSS limit and SVC investment cost. International Journal of Electrical Power and Energy Systems, 2013, 53, 900-908.	5.5	13
28	Formulation of phase voltage and calculation of its total harmonic distortion in multilevel Z-source inverter. IET Power Electronics, 2015, 8, 1509-1518.	2.1	13
29	Harmonic Optimization of Diode-clamped Multilevel Inverter Using Teaching-learning-based Optimization Algorithm. IETE Journal of Research, 2013, 59, 9.	2.6	12
30	Fuzzy based frequency control in an isolated network employing parallel operated fuel cell/ultra-capacitor systems. Journal of Renewable and Sustainable Energy, 2013, 5, 013101.	2.0	12
31	A Systematic Approach to Extract State-Space Averaged Equations and Small-Signal Model of Partial-Power Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2475-2483.	5.4	12
32	DTO: Donkey Theorem Optimization. , 2019, , .		11
33	Uncertainty-Aware Management of Smart Grids Using Cloud-Based LSTM-Prediction Interval. IEEE Transactions on Cybernetics, 2022, 52, 9964-9977.	9.5	11
34	The Uplifted-Boost Switched-Inductor/Capacitor Quasi Z-Source Inverter: A Proposed Structure. IEEE Industrial Electronics Magazine, 2021, 15, 4-16.	2.6	11
35	A new method of voltage and frequency control in isolated microgrids using enhanced droop controller optimized by frog algorithm. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	10
36	Extended-Boost Embedded Switched-Capacitor Inductor Z-Source Inverter with Low Voltage Stress on Capacitors. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 587-596.	2.3	8

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37	Optimal transmission switching in the stochastic linearised SCUC for uncertainty management of the wind power generation and equipment failures. IET Generation, Transmission and Distribution, 2017, 11, 2664-2676.	2.5	7
38	ANALYTICAL CALCULATIONS OF ELECTROMAGNETIC QUANTITIES FOR SLOTTED BRUSHLESS MACHINES WITH SURFACE-INSET MAGNETS. Progress in Electromagnetics Research B, 2017, 72, 49-65.	1.0	7
39	Enhance-Boost Switched-Capacitor/Inductor QZSI with High Step-up Pulse Width Modulation. , 2019, , .		7
40	Boost type Partial Power Z-Source Converter. , 2019, , .		7
41	High performance controller for interior permanent magnet synchronous motor drive using artificial intelligence methods. Scientia Iranica, 2012, 19, 1788-1793.	0.4	6
42	Affine parallel distributed compensator design for affine fuzzy systems via fuzzy Lyapunov function. Engineering Applications of Artificial Intelligence, 2015, 37, 407-416.	8.1	6
43	A Multi-objective Optimization of Switched Reluctance Motor using a Hybrid Analytic-ANFIS Model Considering the Vibrations. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 361-371.	2.3	6
44	Analytical Modeling of Flux-Reversal Permanent-Magnet Machines. IEEE Transactions on Energy Conversion, 2021, 36, 1121-1130.	5.2	6
45	High Gain PWM Method and Active Switched Boost Z-source Inverter With Less Voltage Stress on the Devices. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	6
46	Multi-agent-based optimal power scheduling of shipboard power systems. Sustainable Cities and Society, 2021, 74, 103137.	10.4	5
47	Extended Boost Switched-Embedded-Capacitor-Inductor ZSI with Low Voltage Stress on Capacitors and Soft-Start Capability. IETE Journal of Research, 2023, 69, 1842-1851.	2.6	5
48	Development of genetic-PI based controller for interior permanent magnet synchronous motor drive over wide speed range. , 2006, , .		5
49	Nonlinear PI controller for interior permanent magnet synchronous motor drive. , 2011, , .		4
50	A Dynamic and Heuristic Phase Balancing Method for LV Feeders. Applied Computational Intelligence and Soft Computing, 2016, 2016, 1-8.	2.3	4
51	Dual-source inverter for hybrid PV&FC application. SN Applied Sciences, 2019, 1, 1.	2.9	4
52	Active-switched boost quasi-Z-source inverter with few components. Electrical Engineering, 2021, 103, 303-314.	2.0	4
53	A random switching method for PWM cascaded H-bridge multi-level inverter. , 2012, , .		3
54	INVESTIGATION OF THE EFFECTS OF DIFFERENT MAGNETIZATION PATTERNS ON THE PERFORMANCE OF SERIES HYBRID EXCITATION SYNCHRONOUS MACHINES. Progress in Electromagnetics Research M, 2018, 64, 109-121.	0.9	3

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55	Fuzzy logic-based technique for enhancement of kalman filter based PLL. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1371-1383.	1.4	2
56	Performance Comparison of Synchronous Reference Frame-Based PLLs Topologies Under Power Quality Disturbances. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 307-321.	2.3	2
57	Inductance analytical calculations of brushless surface-mounted permanent-magnet machines based on energy method. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2019, 38, 536-556.	0.9	2
58	Two High Stepped up Continuous Input Current Active Switched-Inductor Quasi-Z-Source Inverters. , 2020, , .		2
59	Improvement in the performance of cascaded tap changers using a fuzzy rule-based scheme. , 2011, , .		1
60	A review of thermal analysis methods in electromagnetic devices. , 2014, , .		1
61	High Step-Up Continuous Current Active-Switched Boost Quasi-Z-Source Inverters. , 2020, , .		1
62	Modified diode-assisted quasi-ZSI with reduced voltage stress on diodes and capacitors. EPE Journal (European Power Electronics and Drives Journal), 2020, 30, 57-68.	0.7	1
63	Two-dimensional analytical model for double field excitation synchronous machines. IET Generation, Transmission and Distribution, 2021, 15, 1081-1093.	2.5	1
64	Novel approaches for phase-shift control and harmonics reduction in H-bridge Z-source inverter. , 2014, , .		0
65	Modification on a simple soft switched boost converter. , 2015, , .		0
66	Analytical calculations of electromagnetic quantities for wound rotor salient-pole synchronous machines. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2021, 40, 325-357.	0.9	0
67	Wide CCM region modulation technique with low current ripples for impedance source inverters. IET Power Electronics, 2020, 13, 4235-4243.	2.1	0