

# Mohammad Mardaneh

## List of Publications by Year in descending order

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67  
papers

1,224  
citations

430874

18  
h-index

395702

33  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1229  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Uncertainty-Aware Management of Smart Grids Using Cloud-Based LSTM-Prediction Interval. IEEE Transactions on Cybernetics, 2022, 52, 9964-9977.	9.5	11
3	Active-switched boost quasi-Z-source inverter with few components. Electrical Engineering, 2021, 103, 303-314.	2.0	4
4	Analytical Modeling of Flux-Reversal Permanent-Magnet Machines. IEEE Transactions on Energy Conversion, 2021, 36, 1121-1130.	5.2	6
5	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
6	The Uplifted-Boost Switched-Inductor/Capacitor Quasi Z-Source Inverter: A Proposed Structure. IEEE Industrial Electronics Magazine, 2021, 15, 4-16.	2.6	11
7	Two-dimensional analytical model for double field excitation synchronous machines. IET Generation, Transmission and Distribution, 2021, 15, 1081-1093.	2.5	1
8	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
9	Multi-agent-based optimal power scheduling of shipboard power systems. Sustainable Cities and Society, 2021, 74, 103137.	10.4	5
10	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
11	Genetic Algorithm for Energy Commitment in a Power System Supplied by Multiple Energy Carriers. Sustainability, 2020, 12, 10053.	3.2	18
12	High Step-Up Continuous Current Active-Switched Boost Quasi-Z-Source Inverters. , 2020, , .		1
13	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
14	A New "Doctor and Patient" Optimization Algorithm: An Application to Energy Commitment Problem. Applied Sciences (Switzerland), 2020, 10, 5791.	2.5	42
15	Two High Stepped up Continuous Input Current Active Switched-Inductor Quasi-Z-Source Inverters. , 2020, , .		2
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Wide CCM region modulation technique with low current ripples for impedance source inverters. IET Power Electronics, 2020, 13, 4235-4243.	2.1	0
20	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
21	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
22	DTO: Donkey Theorem Optimization. , 2019, , .		11
23	Enhance-Boost Switched-Capacitor/Inductor QZSI with High Step-up Pulse Width Modulation. , 2019, , .		7
24	Boost type Partial Power Z-Source Converter. , 2019, , .		7
25	Analytical Energy-Based Approaches for Cogging Torque Calculation in Surface-Mounted PM Motors. IEEE Transactions on Magnetics, 2019, 55, 1-10.	2.1	18
26	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
27	Dual-source inverter for hybrid PV-FC application. SN Applied Sciences, 2019, 1, 1.	2.9	4
28	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
29	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
30	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
31	2D analytical model for heteropolar active magnetic bearings considering eccentricity. IET Electric Power Applications, 2018, 12, 614-626.	1.8	15
32	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
33	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
34	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
35	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
36	SPRING SEARCH ALGORITHM FOR SIMULTANEOUS PLACEMENT OF DISTRIBUTED GENERATION AND CAPACITORS. Electrical Engineering & Electromechanics, 2018, .	0.6	18

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37	Securing highly penetrated wind energy systems using linearized transmission switching mechanism. Applied Energy, 2017, 190, 1207-1220.	10.1	29
38	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
39	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
40	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
41	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
42	A Dynamic and Heuristic Phase Balancing Method for LV Feeders. Applied Computational Intelligence and Soft Computing, 2016, 2016, 1-8.	2.3	4
43	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
44	Exploring the reliability effects on the short term AC security-constrained unit commitment: A stochastic evaluation. Energy, 2016, 114, 1016-1032.	8.8	33
45	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
46	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
47	2-D Analytical Model for External Rotor Brushless PM Machines. IEEE Transactions on Energy Conversion, 2016, 31, 1100-1109.	5.2	29
48	2-D Analytical Magnetic Field Prediction for Consequent-Pole Permanent Magnet Synchronous Machines. IEEE Transactions on Magnetics, 2016, 52, 1-14.	2.1	59
49	Modification on a simple soft switched boost converter. , 2015, , .		0
50	Fuzzy logic-based technique for enhancement of kalman filter based PLL. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1371-1383.	1.4	2
51	Phase-shift control and harmonics elimination for H-bridge Z-source inverter. IET Power Electronics, 2015, 8, 618-627.	2.1	17
52	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
53	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
54	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

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55	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
56	A review of thermal analysis methods in electromagnetic devices. , 2014, , .		1
57	Novel approaches for phase-shift control and harmonics reduction in H-bridge Z-source inverter. , 2014, , .		0
58	Improving the Decoupled Double SRF PLL for grid connected power converters. , 2014, , .		15
59	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
60	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
61	Harmonic Optimization of Diode-clamped Multilevel Inverter Using Teaching-learning-based Optimization Algorithm. IETE Journal of Research, 2013, 59, 9.	2.6	12
62	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
63	High performance controller for interior permanent magnet synchronous motor drive using artificial intelligence methods. Scientia Iranica, 2012, 19, 1788-1793.	0.4	6
64	A random switching method for PWM cascaded H-bridge multi-level inverter. , 2012, , .		3
65	Nonlinear PI controller for interior permanent magnet synchronous motor drive. , 2011, , .		4
66	Improvement in the performance of cascaded tap changers using a fuzzy rule-based scheme. , 2011, , .		1
67	Development of genetic-PI based controller for interior permanent magnet synchronous motor drive over wide speed range. , 2006, , .		5