

# Mohammad Zaid

## List of Publications by Year in descending order

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45  
papers

631  
citations

758635

12  
h-index

676716

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g-index

46  
all docs

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docs citations

46  
times ranked

271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blast analysis of tunnels in Manhattan-Schist and Quartz-Schist using coupled-Eulerian-Lagrangian method. Innovative Infrastructure Solutions, 2021, 6, 1.	1.1	95
2	A Non-Inverting High Gain DC-DC Converter With Continuous Input Current. IEEE Access, 2021, 9, 54710-54721.	2.6	46
3	A New Transformerless Ultra High Gain DC-DC Converter for DC Microgrid Application. IEEE Access, 2021, 9, 124560-124582.	2.6	46
4	A transformerless high gain $dc-dc$ boost converter with reduced voltage stress. International Transactions on Electrical Energy Systems, 2021, 31, e12877.	1.2	35
5	A New High-Gain DC-DC Converter with Continuous Input Current for DC Microgrid Applications. Energies, 2021, 14, 2629.	1.6	28
6	Improved Dual Switch Non-Isolated High Gain Boost Converter for DC microgrid Application. , 2021, , .		27
7	Rock Tunnel Performance Under Blast Loading Through Finite Element Analysis. Geotechnical and Geological Engineering, 2022, 40, 35-56.	0.8	26
8	A New Transformerless Quadratic Boost Converter with High Voltage Gain. Smart Science, 2020, 8, 163-183.	1.9	25
9	The response of rock tunnel when subjected to blast loading: Finite element analysis. Engineering Reports, 2021, 3, e12293.	0.9	25
10	A non-isolated quasi-source-based high-gain DC-DC converter. International Journal of Circuit Theory and Applications, 2022, 50, 653-682.	1.3	25
11	Power Loss Minimization in a Radial Distribution System with Distributed Generation. , 2018, , .		21
12	A Family of Transformerless Quadratic Boost High Gain DC-DC Converters. Energies, 2021, 14, 4372.	1.6	21
13	Blast Resistant Analysis of Rock Tunnel Using Abaqus: Effect of Weathering. Geotechnical and Geological Engineering, 2022, 40, 809-832.	0.8	20
14	Preliminary Study to Understand the Effect of Impact Loading and Rock Weathering in Tunnel Constructed in Quartzite. Geotechnical and Geological Engineering, 2024, 42, 725-753.	0.8	15
15	Archimedes Optimization Algorithm Based Selective Harmonic Elimination in a Cascaded H-Bridge Multilevel Inverter. Sustainability, 2022, 14, 310.	1.6	15
16	Realization of a Generalized Switched-Capacitor Multilevel Inverter Topology with Less Switch Requirement. Energies, 2020, 13, 1556.	1.6	14
17	A High Step-up DC-DC Converter Based on the Voltage Lift Technique for Renewable Energy Applications. Sustainability, 2021, 13, 11059.	1.6	14
18	Ultra high gain step up DC/DC converter based on switched inductor and improved voltage lift technique for high voltage applications. IET Power Electronics, 2022, 15, 932-952.	1.5	14

#	ARTICLE	IF	CITATIONS
19	A Voltage Multiplier Circuit Based Quadratic Boost Converter for Energy Storage Application. Applied Sciences (Switzerland), 2020, 10, 8254.	1.3	12
20	A <scp>switchedâ€capacitor</scp> multilevel inverter topology employing a novel variable structure nearestâ€level modulation. International Transactions on Electrical Energy Systems, 2021, 31, e13151.	1.2	11
21	A Single Switch High Gain DC-DC converter with Reduced Voltage Stress. , 2020, , .		11
22	Optimal Placement of DG in Distribution System for Power Loss Minimization and Voltage Profile Improvement. , 2018, , .		10
23	A New High Voltage Gain DC to DC Converter with Low Voltage Stress for Energy Storage System Application. Electronics (Switzerland), 2020, 9, 2067.	1.8	9
24	A Transformerless Quadratic Boost High Gain DC-DC Converter. , 2020, , .		9
25	Optimal Placement of Reclosers in a Radial Distribution System for Reliability Improvement. Electronics (Switzerland), 2021, 10, 3182.	1.8	7
26	A Single Inductor, Single Switch High Gain DC-DC Boost Converter. , 2020, , .		6
27	Implementation of a Novel Variable Structure Nearest Level Modulation on Cascaded H-Bridge Multilevel Inverter. IEEE Access, 2021, 9, 133974-133988.	2.6	5
28	Realization of an asymmetric Switched-Capacitor Multilevel Inverter using Nearest Level Control. , 2019, , .		4
29	A Non-Pulsating Input Current Step-Up DC/DC Converter With Common Ground Structure for Photovoltaic Applications. IEEE Access, 2021, 9, 159432-159446.	2.6	4
30	Design and application of RISC processor. , 2017, , .		3
31	Power Loss Reduction in a Radial Distribution Network Using Distributed Generation. , 2018, , .		3
32	Sensorless Control of Brushless DC Motor by Zero-Crossing Detection Pulse Generation with Adaptive Power Factor Control Technique. , 2018, , .		3
33	Feeder Automation based Strategy for Reliability Enhancement of Radial Distribution Systems. , 2019, , .		3
34	Comparative Performance Study of Five-Phase Induction Motor. , 2019, , .		3
35	Speed Control of PMBLDC Motor Using Fuzzy Logic Controller in Sensorless Mode with Back-EMF Detection. Advances in Intelligent Systems and Computing, 2019, , 439-447.	0.5	3
36	A Switched Capacitor Multilevel Inverter with Self Voltage Balancing Capability. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
37	A Nonisolated Transformerless High-Gain DC-DC Converter for Renewable Energy Applications. Electronics (Switzerland), 2022, 11, 2014.	1.8	3
38	A Transformerless Switched-Capacitor Switched-Inductor High Gain DC-DC Converter. , 2021, , .		2
39	Reliability Enhancement of a Distribution System Using Genetic Algorithm. , 2020, , .		2
40	Optimal Allocation of Distributed Energy Resources in a Distribution System. , 2019, , .		1
41	Operation, analysis, and implementation of a reduced device count asymmetrical multilevel inverter. International Journal of Circuit Theory and Applications, 0, , .	1.3	1
42	A new model for optimal deployment of remote controlled switches in a radial distribution system using mixed-integer non-linear programming. , 2019, , .		0
43	Improvement of Voltage Stability Margin in a Radial Distribution System. Lecture Notes in Electrical Engineering, 2021, , 459-466.	0.3	0
44	A New Optimal Automation Strategy with Profit-based Optimization Model. , 2020, , .		0
45	A Single Input Dual Output High Gain DC-DC Converter With Reduced Voltage Stress. , 2021, , .		0