

Mahshid Amirabadi

List of Publications by Year in descending order

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427
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiport AC-Link PV Inverter With Reduced Size and Weight for Stand-Alone Application. IEEE Transactions on Industry Applications, 2013, 49, 2217-2228.	4.9	92
2	High-Frequency AC-Link PV Inverter. IEEE Transactions on Industrial Electronics, 2014, 61, 281-291.	7.9	92
3	Soft-Switching AC-Link Three-Phase AC-AC Buck-Boost Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 3-14.	7.9	53
4	E-Mobility – Advancements and Challenges. IEEE Access, 2019, 7, 165226-165240.	4.2	45
5	A Single-Stage Soft-Switching High-Frequency AC-Link PV Inverter: Design, Analysis, and Evaluation of Si-Based and SiC-Based Prototypes. IEEE Transactions on Power Electronics, 2019, 34, 2312-2326.	7.9	42
6	A Family of Ąuk, Zeta, and SEPIC Based Soft-Switching DC-DC Converters. IEEE Transactions on Power Electronics, 2019, 34, 9503-9519.	7.9	41
7	A Single-Stage Capacitive AC-Link AC-AC Power Converter. IEEE Transactions on Power Electronics, 2019, 34, 2104-2118.	7.9	34
8	A Highly Reliable and Efficient Class of Single-Stage High-Frequency AC-Link Converters. IEEE Transactions on Power Electronics, 2019, 34, 8435-8452.	7.9	33
9	A Single-Phase Inverter/Rectifier Topology With Suppressed Double-Frequency Ripple. IEEE Transactions on Power Electronics, 2018, 33, 9282-9295.	7.9	29
10	Bidirectional Soft-Switching Series AC-Link Inverter. IEEE Transactions on Industry Applications, 2015, 51, 2312-2320.	4.9	28
11	A new class of high-power-density universal power converters. , 2015, , .		25
12	Sparse AC-Link Buck-Boost Inverter. IEEE Transactions on Power Electronics, 2014, 29, 3942-3953.	7.9	23
13	Extremely Sparse Parallel AC-Link Universal Power Converters. IEEE Transactions on Industry Applications, 2016, 52, 2456-2466.	4.9	19
14	Ultrasparse AC-Link Converters. IEEE Transactions on Industry Applications, 2015, 51, 448-458.	4.9	15
15	Ąuk-based universal converters in discontinuous conduction mode of operation. , 2016, , .		13
16	A highly reliable converter for wind power generation application. , 2013, , .		11
17	A Versatile Family of Partial-Resonance Inductive-AC-Link Universal Converters. IEEE Transactions on Power Electronics, 2019, 34, 7292-7309.	7.9	11
18	An Overview of Converter Topologies and Their Derivations and Interrelationships. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6417-6429.	5.4	11

#	ARTICLE	IF	CITATIONS
19	A Reduced-Switch-Count Family of Soft-Switched High-Frequency Inductive AC-Link Converters. IEEE Transactions on Power Electronics, 2020, 35, 7972-7990.	7.9	10
20	A versatile inductive-link three-phase converter topology. , 2017, , .		7
21	A Highly Reliable Single-Phase AC to Three-Phase AC Converter With a Small Link Capacitor. IEEE Transactions on Power Electronics, 2021, 36, 10051-10064.	7.9	7
22	An Input-Series Output-Parallel Modular Three-Phase AC-AC Capacitive-Link Power Converter. IEEE Transactions on Power Electronics, 2021, 36, 13603-13620.	7.9	7
23	A Simulation-Based Multifunctional Differential Mode and Common Mode Filter Design Method for Universal Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 658-672.	5.4	6
24	A family of highly reliable and efficient inductive-link universal power converters. , 2017, , .		5
25	A Soft-switching Single-stage Zeta/SEPIC-based Inverter/Rectifier. , 2020, , .		5
26	The Methodology of Constructing the Quadratic Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6586-6606.	5.4	5
27	Single-Stage Multiport Capacitive-Link Universal Power Converter as a Solid-State Transformer for Nanogrid and Microgrid Applications. , 2019, , .		4
28	Single-phase soft-switching AC-link buck-boost inverter. , 2014, , .		3
29	High frequency AC microgrid based on a highly reliable single-stage converter. , 2015, , .		3
30	A series-AC-link ISOP AC-AC converter with two power cells. , 2018, , .		3
31	A Single-Phase ac to Three-Phase ac Converter with a Small Link Capacitor. , 2018, , .		3
32	A Generalized Simulation-Based Multi-Functional Differential Mode and Common Mode LCL Filter Design Method. , 2019, , .		3
33	A modular three-phase AC-AC converter with small number of film capacitors for highvoltage high-current applications. , 2017, , .		2
34	Modular Capacitive-Link-Based Three-Phase AC-AC Power Converter. , 2019, , .		2
35	Parallel Capacitive-Link Universal Converters with Low Current Stress and High Efficiency. , 2021, , .		2
36	A highly reliable single-stage converter for Electric Vehicle applications. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Capacitive-Link Universal Converters with Low Voltage Stress and High Switching Frequency. , 2018, , .		0
38	An Efficient Snubber Circuit for Soft-Switched Capacitive-Link Universal Converters. , 2018, , .		0