

Shiladri Chakraborty

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Isolated High-Frequency Link Microinverter Operated with Secondary-Side Modulation for Efficiency Improvement. IEEE Transactions on Power Electronics, 2018, 33, 2187-2200.	7.9	61
2	Minimum-RMS-Current Operation of Asymmetric Dual Active Half-Bridge Converters With and Without ZVS. IEEE Transactions on Power Electronics, 2017, 32, 5132-5145.	7.9	47
3	Fully ZVS, Minimum RMS Current Operation of the Dual-Active Half-Bridge Converter Using Closed-Loop Three-Degree-of-Freedom Control. IEEE Transactions on Power Electronics, 2018, 33, 10188-10199.	7.9	43
4	DAB Converter for EV Onboard Chargers Using Bare-Die SiC MOSFETs and Leakage-Integrated Planar Transformer. IEEE Transactions on Transportation Electrification, 2022, 8, 209-224.	7.8	40
5	Planar Transformer With Asymmetric Integrated Leakage Inductance Using Horizontal Air Gap. IEEE Transactions on Power Electronics, 2021, 36, 14014-14028.	7.9	24
6	Automatic Resonant Frequency Tracking in Parallel LLC Boost DC-DC Converter. IEEE Transactions on Power Electronics, 2015, 30, 3925-3933.	7.9	21
7	A Dual-Active-Bridge-Based Novel Single-Stage Low Device Count DC-AC Converter. IEEE Transactions on Power Electronics, 2019, 34, 2339-2354.	7.9	18
8	Analysis and comparison of voltage-source and current-source asymmetric dual-active half-bridge converters. , 2014, , .		15
9	Comparison of CCM- and CRM-Based Boost Parallel Active Power Decoupler for PV Microinverter. IEEE Transactions on Power Electronics, 2022, 37, 9889-9906.	7.9	12
10	A Bare-die SiC-based Isolated Bidirectional DC-DC Converter for Electric Vehicle On-board Chargers. , 2020, , .		11
11	A multi-port, isolated PV microinverter with low decoupling capacitance & integrated battery charger. , 2016, , .		10
12	A Dual-Active-Bridge-Based Fully ZVS HF-Isolated Inverter With Low Decoupling Capacitance. IEEE Transactions on Power Electronics, 2020, 35, 2615-2628.	7.9	10
13	Advanced Packaging and Thermal Management of High-Power DC-DC Converters. , 2019, , .		10
14	Design Optimization for Weighted Conduction Loss Minimization in a Dual-Active-Bridge-Based PV Microinverter. , 2020, , .		10
15	Topology variations and design improvements of a single-stage flyback PV microinverter. , 2014, , .		7
16	Approaches for continuous-time dynamic modeling of the asymmetric dual-active half-bridge converter. , 2018, , .		7
17	Electro-Thermal Co-Design of a Cooling System-Integrated High-Frequency Transformer. , 2020, , .		7
18	A voltage independent islanding detection method and low voltage ride through of a two-stage PV inverter. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
19	Improved Frequency-Domain Steady-State Modeling of the Dual-Active-Bridge Converter Considering Finite ZVS Transition Time Effects. IEEE Transactions on Power Electronics, 2021, 36, 7880-7891.	7.9	5
20	Secondary side modulation of a single-stage isolated high-frequency link microinverter with a regenerative flyback snubber. , 2016, , .		4
21	A novel single-stage dual-active bridge based isolated DC-AC converter. , 2016, , .		4
22	Operation of a triple-active-bridge-based battery-integrated isolated PV microinverter. , 2017, , .		3
23	CCM vs. CRM Design Optimization of a Boost-derived Parallel Active Power Decoupler for Microinverter Applications. , 2020, , .		3
24	A digital charge-mode control algorithm for power decoupling in a flyback microinverter. , 2013, , .		2
25	An isolated buck-boost type high-frequency link photovoltaic microinverter. , 2016, , .		2
26	A dual-active-bridge-based high-frequency isolated inverter for interfacing multiple PV modules with distributed MPPT. , 2018, , .		2
27	A Battery-Integrated High-Frequency Transformer-Coupled Phase-Modulated PV Inverter. , 2018, , .		2
28	Minimum RMS current operation of the dual-active half-bridge converter using three degree of freedom control. , 2016, , .		1
29	A hybrid isolated boost converter with reduced output capacitance and integrated auxiliary circuit for ZVS. , 2015, , .		0