

Hou Nie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1303710/publications.pdf>

Version: 2024-02-01

31
papers

1,126
citations

643344

15
h-index

685536

24
g-index

31
all docs

31
docs citations

31
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Analysis of Hybrid Dual Active Bridge Converter to Optimize Efficiency Over Whole Operating Range. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 432-441.	3.7	8
2	Topologies and Operations of Hybrid-Type DC-DC Converters Interfacing DC-Current Bus and DC-Voltage Bus. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 4212-4221.	3.7	1
3	A Dual-Inductor-Connected Isolated DC-DC Converter With Direct Current Control and Low Current Harmonics. IEEE Transactions on Industrial Electronics, 2023, 70, 4774-4784.	5.2	8
4	A Load-Current-Estimating Scheme With Delay Compensation for the Dual-Active-Bridge DC-DC Converter. IEEE Transactions on Power Electronics, 2022, 37, 2636-2647.	5.4	32
5	Deep Reinforcement Learning-Aided Efficiency Optimized Dual Active Bridge Converter for the Distributed Generation System. IEEE Transactions on Energy Conversion, 2022, 37, 1251-1262.	3.7	18
6	A Comprehensive Comparison of Two Fast-Dynamic Control Structures for the DAB DC-DC Converter. IEEE Transactions on Power Electronics, 2022, 37, 6488-6500.	5.4	15
7	An Input-Oriented Power Sharing Control Scheme With Fast-Dynamic Response for ISOP DAB DC-DC Converter. IEEE Transactions on Power Electronics, 2022, 37, 6501-6510.	5.4	19
8	A Periodic-Steady-State Analysis Model in Time Domain for Dual Active Bridge Converter. IEEE Transactions on Power Electronics, 2022, 37, 4121-4132.	5.4	5
9	A Direct Actual-Power Control Scheme for Current-Fed Dual-Active-Bridge DC/DC Converter Based on Virtual Impedance Estimation. IEEE Transactions on Power Electronics, 2022, 37, 8963-8975.	5.4	15
10	The Partial Power Processing Converter System with Robust DC-Link Voltage for Islanded DC Microgrid. , 2022, , .		0
11	A Direct Current Control Scheme With Compensation Operation and Circuit-Parameter Estimation for Full-Bridge DC-DC Converter. IEEE Transactions on Power Electronics, 2021, 36, 1130-1142.	5.4	13
12	Communication-Free Power Management Strategy for the Multiple DAB-Based Energy Storage System in Islanded DC Microgrid. IEEE Transactions on Power Electronics, 2021, 36, 4828-4838.	5.4	33
13	Unified Fast-Dynamic Direct-Current Control Scheme for Intermediary Inductive AC-Link Isolated DC-DC Converters. IEEE Open Journal of Power Electronics, 2021, 2, 383-400.	4.0	7
14	Dual-Port Inverters With Internal DC-DC Conversion for Adjustable DC-Link Voltage Operation of Electric Vehicles. IEEE Transactions on Power Electronics, 2021, 36, 6917-6928.	5.4	13
15	Artificial Intelligence-Aided Minimum Reactive Power Control for the DAB Converter Based on Harmonic Analysis Method. IEEE Transactions on Power Electronics, 2021, 36, 9704-9710.	5.4	35
16	A Dual-Input Single-Output DC-DC Converter Topology for Renewable Energy Applications. , 2021, , .		2
17	A Power Sharing Control Scheme with Fast-Dynamic Response for Input-Series Output-Parallel DAB dc-dc Converter. , 2021, , .		3
18	Decoupled Dual-PWM Control for Naturally Commutated Current-Fed Dual-Active-Bridge DC/DC Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4246-4259.	3.7	20

#	ARTICLE	IF	CITATIONS
19	Overview and Comparison of Modulation and Control Strategies for a Nonresonant Single-Phase Dual-Active-Bridge DC-DC Converter. IEEE Transactions on Power Electronics, 2020, 35, 3148-3172.	5.4	287
20	A Leakage-Inductor Parameter Compensation Method for Paralleled Current-Fed Isolated DC/DC System. IEEE Transactions on Power Electronics, 2020, 35, 1160-1164.	5.4	17
21	The Comprehensive Circuit-Parameter Estimating Strategies for Output-Parallel Dual-Active-Bridge DC-DC Converters With Tunable Power Sharing Control. IEEE Transactions on Industrial Electronics, 2020, 67, 7583-7594.	5.2	23
22	The Simple Power-Based Modulation Methods for DAB-Based AC-DC Converter with Unfolder Concept. , 2020, , .		2
23	Communicationless Power Management Strategy for the Multiple DAB-Based Energy Storage System in Islanded DC Microgrid. , 2020, , .		6
24	A Tunable Power Sharing Control Scheme for the Output-Series DAB DC-DC System With Independent or Common Input Terminals. IEEE Transactions on Power Electronics, 2019, 34, 9386-9391.	5.4	24
25	Unfolder Operation and Modulation Strategy of Paralleled Current-Source Converters. , 2019, , .		6
26	A Comprehensive Optimization Control of Dual-Active-Bridge DC-DC Converters Based on Unified-Phase-Shift and Power-Balancing Scheme. IEEE Transactions on Power Electronics, 2019, 34, 826-839.	5.4	53
27	Dynamic and static performance optimization of dual active bridge DC-DC converters. Journal of Modern Power Systems and Clean Energy, 2018, 6, 607-618.	3.3	23
28	Virtual Direct Power Control Scheme of Dual Active Bridge DC-DC Converters for Fast Dynamic Response. IEEE Transactions on Power Electronics, 2018, 33, 1750-1759.	5.4	173
29	A Reconstructed Circuit Parameters Estimation (RCPE) Strategy of Modular Multiple Dual Active Bridge DC-DC Converters for Power Sharing Control. , 2018, , .		1
30	Improved dynamic performance of dual active bridge dc-dc converters using MPC scheme. IET Power Electronics, 2018, 11, 1756-1765.	1.5	44
31	Minimum-Current-Stress Scheme of Dual Active Bridge DC-DC Converter With Unified-phase-shift Control. IEEE Transactions on Power Electronics, 2016, , 1-1.	5.4	220