

John Salmon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1089453/publications.pdf>

Version: 2024-02-01

50
papers

1,085
citations

516561

16
h-index

580701

25
g-index

50
all docs

50
docs citations

50
times ranked

739
citing authors

#	ARTICLE	IF	CITATIONS
1	PWM Inverters Using Split-Wound Coupled Inductors. IEEE Transactions on Industry Applications, 2009, 45, 2001-2009.	3.3	112
2	Three-limb Coupled Inductor Operation for Paralleled Multi-level Three-Phase Voltage Sourced Inverters. IEEE Transactions on Industrial Electronics, 2013, 60, 1979-1988.	5.2	110
3	A Method for Supply Voltage Boosting in an Open-Ended Induction Machine Using a Dual Inverter System With a Floating Capacitor Bridge. IEEE Transactions on Power Electronics, 2013, 28, 1348-1357.	5.4	104
4	Fuzzy Self-Tuning Speed Control of an Indirect Field-Oriented Control Induction Motor Drive. IEEE Transactions on Industry Applications, 2008, 44, 1732-1740.	3.3	99
5	Single-Phase Multilevel PWM Inverter Topologies Using Coupled Inductors. IEEE Transactions on Power Electronics, 2009, 24, 1259-1266.	5.4	86
6	Performance of a High-Speed Motor Drive System Using a Novel Multilevel Inverter Topology. IEEE Transactions on Industry Applications, 2009, 45, 1706-1714.	3.3	61
7	A New Space-Vector PWM With Optimal Switching Selection for Multilevel Coupled Inductor Inverters. IEEE Transactions on Industrial Electronics, 2010, 57, 2354-2364.	5.2	42
8	Interleaved Discontinuous Space-Vector PWM for a Multilevel PWM VSI Using a Three-Phase Split-Wound Coupled Inductor. IEEE Transactions on Industry Applications, 2010, 46, 2015-2024.	3.3	38
9	A Modular Balancing Bridge for Series Connected Voltage Sources. IEEE Transactions on Power Electronics, 2014, 29, 4712-4722.	5.4	34
10	High-Quality Single-Phase Power Conversion by Reconsidering the Magnetic Components in the Output Stage—Building a Better Half-Bridge. IEEE Transactions on Industry Applications, 2009, 45, 2048-2055.	3.3	32
11	A Five-/Nine-Level Twelve-Switch Neutral-Point-Clamped Inverter for High-Speed Electric Drives. IEEE Transactions on Industry Applications, 2011, 47, 2145-2153.	3.3	31
12	High-Efficiency Operation of an Open-Ended Winding Induction Motor Using Constant Power Factor Control. IEEE Transactions on Power Electronics, 2018, 33, 10663-10672.	5.4	30
13	Design, Control, and Experimental Test of an Open-Winding IPM Synchronous Motor. IEEE Transactions on Industrial Electronics, 2017, 64, 2760-2769.	5.2	26
14	A Modular Battery Voltage-Balancing System Using a Series-Connected Topology. IEEE Transactions on Power Electronics, 2020, 35, 5952-5964.	5.4	25
15	Control and Analysis of a Modular Bridge for Battery Cell Voltage Balancing. IEEE Transactions on Power Electronics, 2018, 33, 9722-9733.	5.4	21
16	Multiport Converter With Independent Control of AC and DC Power Flows for Bipolar DC Distribution. IEEE Transactions on Power Electronics, 2021, 36, 3473-3485.	5.4	20
17	A Square-wave Controller for a high speed induction motor drive using a three phase floating bridge inverter. , 2010, , .		19
18	A five/nine-level twelve-switch neutral point clamped inverter for high speed electric drives. , 2010, , .		18

#	ARTICLE	IF	CITATIONS
19	Decoupled Floating Capacitor Voltage Control of a Dual Inverter Drive for an Open-Ended Winding Induction Motor. IEEE Transactions on Power Electronics, 2020, 35, 7305-7316.	5.4	16
20	Emulation of flywheel energy storage systems with a PMDC machine. , 2008, , .		13
21	Soft Start and Voltage Control of Induction Motors Using Floating Capacitor H-Bridge Converters. IEEE Transactions on Industry Applications, 2016, 52, 3115-3123.	3.3	13
22	Multi-Level Voltage Source Parallel Inverters using Coupled Inductors. , 2019, , .		12
23	Design of a permanent magnet synchronous machine for a flywheel energy storage system within a hybrid electric vehicle. , 2009, , .		10
24	A discontinuous PWM scheme for lowering the switching frequency and losses in a 3-phase 6-switch 3/5-level PWM VSI using a 3-limb inductor. , 2012, , .		10
25	High-Quality PWM Scheme for High-Speed Electric Drives. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	8
26	Multi-Level Power Converters using Coupled Inductors and Parallel Connected 2-Level Inverters. , 2020, , .		7
27	Parallel Inverters using a DC Common Mode PWM Filter with an AC Differential Mode PWM Filter. , 2021, , .		7
28	Design of Three Limb Coupled Inductor using Cross-Coupled Windings to Produce Multi-Level Output Voltages and Reduced Magnetics. , 2021, , .		6
29	Coupled Inductors for High-Frequency Drives With Parallel-Connected Inverter Legs. IEEE Transactions on Power Electronics, 2022, 37, 7055-7066.	5.4	6
30	Maximum Torque Operation of Open-Winding Induction Motor Dual Drives Using a Floating Capacitor Bridge in the Field Weakening Region. IEEE Transactions on Power Electronics, 2022, 37, 9629-9640.	5.4	6
31	A current controller for 1-phase pwm rectifiers using real-time internal feedback of the pwm controller signals. , 2006, , .		5
32	5-Level PWM Scheme for a Dual Inverter Drive Using an Open Winding Machine. , 2018, , .		5
33	PWM Control of a Dual Inverter Drive using a Floating Capacitor Inverter. , 2019, , .		5
34	DSP Speed Control of Single-Phase Induction Motor Using C Programming. , 2006, , .		4
35	PWM Current Controllers for a Family of 3-Switch Utility Rectifier Topologies. , 2007, , .		4
36	Reducing losses in multilevel coupled inductor inverters using interleaved discontinuous SVPWM. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
37	Three phase common-mode winding voltage elimination in a three-limb five-level coupled inductor inverter. , 2012, , .		4
38	Smart Electrical Grid Interface Using Floating H-Bridges to Improve the Performance of Induction Motors. IEEE Transactions on Power Electronics, 2017, 32, 7851-7861.	5.4	4
39	Robust Floating Capacitor Voltage Control of Dual Inverter Drive for Open-Ended Winding Induction Motor. , 2019, , .		4
40	Guidelines for Selecting Minimum Capacitance for a Floating Bridge Dual Inverter Drive. , 2019, , .		4
41	Design and performance assessment for the V shaped magnet IPM synchronous motor. , 2015, , .		3
42	Analysis of a wide speed range open winding IPM with floating bridge. , 2015, , .		3
43	Multiport Converter With Enhanced Port Utilization Using Multitasking Dual Inverters. IEEE Open Journal of Power Electronics, 2021, 2, 511-522.	4.0	3
44	Enhanced Interleaved PWM Scheme with Flux Compensation for Three-Parallel Connected Inverters. , 2021, , .		3
45	Carrier Transition Techniques for Parallel Connected VSCs Using Cross-Coupled Inductors. IEEE Transactions on Power Electronics, 2022, 37, 9652-9662.	5.4	3
46	DSP based Pre-Processed PWM scheme for 3-Limb core coupled inductor inverters. , 2015, , .		2
47	3D finite element analysis of coupled inductors for multilevel inverter output. , 2010, , .		1
48	Exploiting buck-boost duality in dual active bridge modular multilevel converters to achieve high DC step ratios. High Voltage, 2021, 6, 495-513.	2.7	1
49	Field Weakening Operation of Open-Winding Induction Motor Dual Drives Using a Floating Capacitor Bridge Inverter. , 2021, , .		1
50	Simple and robust feedback control of a two-switch multi-level half-bridge inverter with non-ideal operation. , 2009, , .		0