

Abdul R Beig

List of Publications by Year in descending order

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361045

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75
all docs

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times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified SVPWM Algorithm for Three Level VSI With Synchronized and Symmetrical Waveforms. IEEE Transactions on Industrial Electronics, 2007, 54, 486-494.	5.2	171
2	Adaptive Notch Filter-Based Multipurpose Control Scheme for Grid-Interfaced Three-Phase Four-Wire DG Inverter. IEEE Transactions on Industry Applications, 2017, 53, 4015-4027.	3.3	68
3	A Multitasking Control Algorithm for Grid-Connected Inverters in Distributed Generation Applications Using Adaptive Noise Cancellation Filters. IEEE Transactions on Energy Conversion, 2016, 31, 714-727.	3.7	65
4	Synchronized SVPWM Algorithm for the Overmodulation Region of a Low Switching Frequency Medium-Voltage Three-Level VSI. IEEE Transactions on Industrial Electronics, 2012, 59, 4545-4554.	5.2	57
5	Control scheme for grid-tied distributed generation inverter under unbalanced and distorted utility conditions with power quality ancillary services. IET Renewable Power Generation, 2016, 10, 140-149.	1.7	56
6	Switched Inductor Double Switch High Gain DC-DC Converter for Renewable Applications. IEEE Access, 2021, 9, 14259-14270.	2.6	56
7	A novel CSI-fed induction motor drive. IEEE Transactions on Power Electronics, 2006, 21, 1073-1082.	5.4	54
8	Interrupt-Free Operation of Dual-Motor Four-Wheel Drive Electric Vehicle Under Inverter Failure. IEEE Transactions on Transportation Electrification, 2021, 7, 329-338.	5.3	47
9	An improved voltage balancing algorithm for grid connected MMC for medium voltage energy conversion. International Journal of Electrical Power and Energy Systems, 2018, 95, 550-560.	3.3	39
10	Third order sinusoidal integrator (TOSSI)-based control algorithm for shunt active power filter under distorted and unbalanced voltage conditions. International Journal of Electrical Power and Energy Systems, 2018, 96, 152-162.	3.3	39
11	Quasi optimum PI controller tuning rules for a grid-connected three phase AC to DC PWM rectifier. International Journal of Electrical Power and Energy Systems, 2018, 96, 74-85.	3.3	38
12	Experimental verification of multilevel inverter-based standalone power supply for low-voltage and low-power applications. IET Power Electronics, 2012, 5, 635-643.	1.5	37
13	Switched-Capacitor Based Modified Extended High Gain Switched Boost Z-Source Inverters. IEEE Access, 2019, 7, 179918-179928.	2.6	31
14	Predictive Control With Battery Power Sharing Scheme for Dual Open-End-Winding Induction Motor Based Four-Wheel Drive Electric Vehicle. IEEE Transactions on Industrial Electronics, 2022, 69, 5557-5568.	5.2	31
15	A Hybrid Nearest Level Combined With PWM Control Strategy: Analysis and Implementation on Cascaded H-Bridge Multilevel Inverter and its Fault Tolerant Topology. IEEE Access, 2021, 9, 44266-44282.	2.6	30
16	A Cascaded Nine-Level Inverter Topology With T-Type and H-Bridge With Increased DC-Bus Utilization. IEEE Transactions on Power Electronics, 2021, 36, 285-294.	5.4	28
17	Predictive Control based Battery Power Sharing for Four-Wheel Drive Electric Vehicle. , 2021, , .		26
18	An Improved Direct Torque Control with Battery Power Management of Open-End Winding Induction Motor Drive for Electric Vehicles. , 2020, , .		26

#	ARTICLE	IF	CITATIONS
19	Disturbance Observer Based Sensorless Predictive Control for High Performance PMBLDCM Drive Considering Iron Loss. IEEE Transactions on Industrial Electronics, 2022, 69, 5442-5452.	5.2	24
20	Constant v/f induction motor drive with synchronised space vector pulse width modulation. IET Power Electronics, 2012, 5, 1446.	1.5	23
21	Iron-Loss Modeling With Sensorless Predictive Control of PMBLDC Motor Drive for Electric Vehicle Application. IEEE Transactions on Transportation Electrification, 2021, 7, 1506-1515.	5.3	23
22	Predictive Battery SoC Control for Dual Propulsion Differential Four Wheel Drive Electric Vehicle. , 2021, , .		22
23	Space vector-based synchronised bus-clamping pulse width modulation algorithms for three-level voltage source inverter in overmodulation region. IET Power Electronics, 2012, 5, 493.	1.5	21
24	A Wide Voltage Gain Bidirectional DC-DC Converter Based on Quasi Z-Source and Switched Capacitor Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1353-1357.	2.2	21
25	An Enhanced Linear Active Disturbance Rejection Controller for High Performance PMBLDCM Drive Considering Iron Loss. IEEE Transactions on Power Electronics, 2021, 36, 14087-14097.	5.4	21
26	Space vector-based three-level discontinuous pulse-width modulation algorithm. IET Power Electronics, 2013, 6, 1475-1482.	1.5	17
27	Time Domain Particle Swarm Optimization of PI Controllers for Bidirectional VSC HVDC Light System. Energies, 2020, 13, 866.	1.6	15
28	Comparison of passive and active power filters in oil drilling rigs. , 2011, , .		14
29	Realization of a Generalized Switched-Capacitor Multilevel Inverter Topology with Less Switch Requirement. Energies, 2020, 13, 1556.	1.6	14
30	Comprehensive Analysis of IPT v/s CPT for Wireless EV Charging and Effect of Capacitor Plate Shape and Foreign Particle on CPT. Processes, 2021, 9, 1619.	1.3	13
31	Sliding mode observer of submodular capacitor voltages in Modular Multilevel Converter. , 2015, , .		12
32	High Voltage Gain Switched-Z-Source Bidirectional DC-DC Converter. IEEE Access, 2022, 10, 53560-53577.	2.6	12
33	Design of PI controllers for a grid-connected VSC based on optimal disturbance rejection. , 2015, , .		9
34	Performance analysis of PWM strategies for cascaded H-bridge three-level inverter. , 2011, , .		8
35	A novel SVPWM-based switching algorithm for MMC for high power applications. , 2016, , .		8
36	Torque Ripple Minimization of Four-phase Switched Reluctance Motor using Direct Torque Control with an Innovative Switching Sequence Scheme. , 2019, , .		8

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37	Comparison of Relay Feedback Tuning and Other Tuning Methods for a Digitally Controlled Buck Converter. , 2019, , .		7
38	Sensorless DTSMC of a three-level VSI fed PMSM drive. IET Power Electronics, 2020, 13, 788-797.	1.5	7
39	A Novel High Gain Bidirectional DC-DC Converter. , 2020, , .		6
40	An improved direct torque control of induction motor with modified sliding mode control approach. , 2013, , .		5
41	Seamless transition scheme between grid-tied and stand-alone modes of distributed generation inverters. , 2017, , .		5
42	Performance Evaluation and Reliability of Flexible Asynchronous AC Link and LCC-HVDC Link Under Fault Conditions. IEEE Access, 2020, 8, 120562-120574.	2.6	5
43	An improved CSI fed induction motor drive. International Journal of Electrical Power and Energy Systems, 2013, 46, 26-35.	3.3	4
44	Mitigation of harmonics in drilling rigs using shunt active power filters. , 2016, , .		4
45	Adaptive notch filter based multipurpose control scheme for grid-interfaced three-phase four-wire DG inverter. , 2016, , .		4
46	Auto-Tuning of PID Controller with Phase Margin Specification for Digital Voltage-Mode Buck Converter. , 2020, , .		4
47	A New Fuzzy Multiobjective Geometric Programming in Double Sampling in Presence of Non-Response. IEEE Access, 2020, 8, 45009-45022.	2.6	4
48	DC Voltage Control and OLTC Control Strategy for MMC-Based HVDC System Under SM Failure. IEEE Access, 2021, 9, 114325-114338.	2.6	4
49	Auto-Tuning of DC-DC Buck Converters Through the Modified Relay Feedback Test. IEEE Access, 2021, 9, 62505-62518.	2.6	4
50	Auto-Tuning of PID Controller with Gain Margin Specification for Digital Voltage-Mode Buck Converter. IFAC-PapersOnLine, 2020, 53, 13390-13395.	0.5	4
51	An improved CSI fed induction motor drive for medium voltage applications. , 2008, , .		3
52	Sliding mode based DTC of three-level inverter fed induction motor using switching vector table. , 2013, , .		3
53	Implementation of a DSPACE-based standalone renewable energy supply feeding an isolated load. International Journal of Energy and Environmental Engineering, 2016, 7, 125-135.	1.3	3
54	Effect of gate pulse variation on the performance of fifteen-level cascaded H-bridge voltage source inverter. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
55	Passive wide spectrum filter for variable speed drives in oil and gas industry. , 2011, , .		2
56	Retrofitting of harmonic power filters in onshore oil drilling rigs: Challenges & solutions. , 2012, , .		2
57	Harmonic power filters for oil drilling rigs: A case study. , 2012, , .		2
58	Application, design and optimization of hybrid filters for oil drilling rigs. , 2013, , .		2
59	Three-phase AC supply. , 2016, , 183-208.		2
60	Comparative Analysis of Extended SC-qSBI With EB-QZSI and EB/ASN-QZSI. IEEE Access, 2021, 9, 61539-61547.	2.6	2
61	Real-time simulation based performance analysis of active filters for oil drilling rigs. , 2015, , .		1
62	Analysis of Sliding Mode Controllers in pulse width modulated systems. , 2016, , .		1
63	Operation of MMC Based Unipolar HVDC Under SM Failure. , 2019, , .		1
64	Operation of MMC Based HVDC Under SM Failure at Sending End Converter. , 2019, , .		1
65	Phase Current Reconstruction Algorithm for Four-Phase Switched Reluctance Motor under Direct Torque Control Strategy. , 2021, , .		1
66	Modified Direct Torque and Flux Control of Switched Reluctance Motor Drive with Reduced Source Current Ripple for Vehicular Applications. , 2020, , .		1
67	Comprehensive Evaluation of Phase Current Reconstruction Strategies for Four-Phase Switched Reluctance Motor Drives. , 2020, , .		1
68	Synchronized Symmetrical Bus-Clamping PWM Strategies for Three Level Inverter: Applications to Low Switching Frequencies. International Journal of Emerging Electric Power Systems, 2011, 12, .	0.6	0
69	An improved active filter for distorted voltage conditions. , 2013, , .		0
70	Combined model-based sliding-mode controller for a three-phase voltage source inverter fed induction motor drive. , 2015, , .		0
71	Power semiconductor devices. , 2016, , 290-312.		0
72	SiC-MOSFET based single phase AC to DC PWM converter. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
73	Real-Time Implementation of Robust Loop-Shaping Controller for a VSC HVDC System. Energies, 2021, 14, 4955.	1.6	0
74	A Dual Switched Capacitor and Single Switch High Voltage Gain DC-DC Converter. , 2022, , .		0