

Sanjib Kumar Panda

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6930061/sanjib-kumar-panda-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

269
papers

4,672
citations

38
h-index

59
g-index

328
ext. papers

6,030
ext. citations

5.3
avg, IF

6.17
L-index

#	Paper	IF	Citations
269	Energy Harvesting From Hybrid Indoor Ambient Light and Thermal Energy Sources for Enhanced Performance of Wireless Sensor Nodes. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 4424-4435	8.9	262
268	Torque ripple minimization in PM synchronous motors using iterative learning control. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 272-279	7.2	203
267	Real-Time Implementation of a Harmony Search Algorithm-Based Clustering Protocol for Energy-Efficient Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 774-783 ^{11.9}	11.9	135
266	Optimized Wind Energy Harvesting System Using Resistance Emulator and Active Rectifier for Wireless Sensor Nodes. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 38-50	7.2	133
265	Single-Phase Inverter Control Techniques for Interfacing Renewable Energy Sources With MicrogridPart I: Parallel-Connected Inverter Topology With Active and Reactive Power Flow Control Along With Grid Current Shaping. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 717-731	7.2	126
264	A modular control scheme for PMSM speed control with pulsating torque minimization. <i>IEEE Transactions on Industrial Electronics</i> , 2004 , 51, 526-536	8.9	124
263	Model-Based Fault Detection and Identification for Switching Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1419-1430	7.2	112
262	Single-Phase Inverter-Control Techniques for Interfacing Renewable Energy Sources With MicrogridPart II: Series-Connected Inverter Topology to Mitigate Voltage-Related Problems Along With Active Power Flow Control. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 732-746	7.2	102
261	Optimization of Distribution Network Incorporating Distributed Generators: An Integrated Approach. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2421-2432	7	99
260	An Output-Power-Control Strategy for a Three-Phase PWM Rectifier Under Unbalanced Supply Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 2140-2151	8.9	99
259	A Lyapunov Function-Based Robust Direct Torque Controller for a Switched Reluctance Motor Drive System. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 555-564	7.2	94
258	Self-Autonomous Wireless Sensor Nodes With Wind Energy Harvesting for Remote Sensing of Wind-Driven Wildfire Spread. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2011 , 60, 1367-1377 ^{5.2}	5.2	87
257	Speed ripple minimization in PM synchronous motor using iterative learning control. <i>IEEE Transactions on Energy Conversion</i> , 2005 , 20, 53-61	5.4	87
256	Design of a Plug-In Repetitive Control Scheme for Eliminating Supply-Side Current Harmonics of Three-Phase PWM Boost Rectifiers Under Generalized Supply Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 1800-1810	7.2	85
255	A Digital Twin Approach for Fault Diagnosis in Distributed Photovoltaic Systems. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 940-956	7.2	83
254	Lyapunov Function-Based Current Controller to Control Active and Reactive Power Flow From a Renewable Energy Source to a Generalized Three-Phase Microgrid System. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 799-813	8.9	77
253	Application of Four-Switch-Based Three-Phase Grid-Connected Inverter to Connect Renewable Energy Source to a Generalized Unbalanced Microgrid System. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1204-1215	8.9	71

252	Indirect torque control of switched reluctance motors using iterative learning control. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 200-208	7.2	66
251	A multi-objective and robust optimization approach for sizing and placement of PV and batteries in off-grid systems fully operated by diesel generators: An Indonesian case study. <i>Energy</i> , 2018 , 160, 410-429	7.9	65
250	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2637-2645	4.3	61
249	A Simple Single-InputSingle-Output (SISO) Model for a Three-Phase PWM Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 620-631	7.2	61
248	Iterative learning-based high-performance current controller for switched reluctance motors. <i>IEEE Transactions on Energy Conversion</i> , 2004 , 19, 491-498	5.4	58
247	Dynamic control of torque in overmodulation and in the field weakening region. <i>IEEE Transactions on Power Electronics</i> , 2006 , 21, 1091-1098	7.2	50
246	A Robust Harmony Search Algorithm Based Clustering Protocol for Wireless Sensor Networks 2010 ,		49
245	Design, Modeling, and Control of Piezoelectric Actuators for Intracytoplasmic Sperm Injection. <i>IEEE Transactions on Control Systems Technology</i> , 2007 , 15, 879-890	4.8	49
244	Monofacial vs bifacial Si-based PV modules: Which one is more cost-effective?. <i>Solar Energy</i> , 2018 , 176, 412-438	6.8	48
243	Low torque ripple control of switched reluctance motors using iterative learning. <i>IEEE Transactions on Energy Conversion</i> , 2001 , 16, 318-326	5.4	47
242	Torque ripple analysis and dynamic performance of a space vector modulation based control method for AC-drives. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 485-492	7.2	45
241	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 2862-2870	4.3	44
240	Multi-objective parametric optimization of powder mixed electro-discharge machining using response surface methodology and non-dominated sorting genetic algorithm. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2012 , 37, 223-240	1	44
239	Thermal energy harvesting from human warmth for wireless body area network in medical healthcare system 2009 ,		44
238	Triple Phase Shift Control of an LLL Tank Based Bidirectional Dual Active Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8035-8053	7.2	42
237	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1888-1900	8.9	42
236	Analysis of the Instantaneous Power Flow for Three-Phase PWM Boost Rectifier Under Unbalanced Supply Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 1679-1691	7.2	41
235	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3228-3241	8.9	40

234	A Plug and Play Operational Approach for Implementation of an Autonomous-Micro-Grid System. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 615-629	11.9	40
233	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3871-3879	4.3	39
232	Realisation of a cluster-based protocol using fuzzy C-means algorithm for wireless sensor networks. <i>IET Wireless Sensor Systems</i> , 2013 , 3, 163-171	1.6	39
231	DC Link Voltage and Supply-Side Current Harmonics Minimization of Three Phase PWM Boost Rectifiers Using Frequency Domain Based Repetitive Current Controllers. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 1987-1997	7.2	38
230	An Improved Harmony Search algorithm for optimal scheduling of the diesel generators in oil rig platforms. <i>Energy Conversion and Management</i> , 2011 , 52, 893-902	10.6	36
229	Reduction of Input Current Harmonic Distortions and Balancing of Output Voltages of the Vienna Rectifier Under Supply Voltage Disturbances. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 5802-5812	7.2	34
228	Optimal data aggregation tree in wireless sensor networks based on intelligent water drops algorithm. <i>IET Wireless Sensor Systems</i> , 2012 , 2, 282	1.6	34
227	A novel multi-objective directed bee colony optimization algorithm for multi-objective emission constrained economic power dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 43, 1241-1250	5.1	34
226	Cloning and functional characterization of a vacuolar Na ⁺ /H ⁺ antiporter gene from mungbean (VrNHX1) and its ectopic expression enhanced salt tolerance in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2014 , 9, e106678	3.7	32
225	A diesel replacement strategy for off-grid systems based on progressive introduction of PV and batteries: An Indonesian case study. <i>Applied Energy</i> , 2018 , 229, 1218-1232	10.7	32
224	Fault Detection and Localization for Cascaded H-Bridge Multilevel Converter With Model Predictive Control. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10109-10120	7.2	28
223	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008 , 13, 104-111	5.5	27
222	A Single-Stage Matrix-Based Isolated Three-Phase AC/DC Converter With Novel Current Commutation. <i>IEEE Transactions on Transportation Electrification</i> , 2017 , 3, 814-830	7.6	24
221	Review of torque ripple minimization in PM synchronous motor drives 2008 ,		24
220	ReViCEE: A recommendation based approach for personalized control, visual comfort & energy efficiency in buildings. <i>Building and Environment</i> , 2019 , 152, 135-144	6.5	23
219	Battery Energy Storage for Seamless Transitions of Wind Generator in Standalone Microgrid. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 69-77	4.3	23
218	Stator flux based space-vector modulation and closed loop control of the stator flux vector in overmodulation into six-step mode. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 775-782	7.2	23
217	A Comprehensive Harmonic Analysis and Control Strategy for Improved Input Power Quality in a Cascaded Modular Solid State Transformer. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6219-6232	7.2	23

216	Direct method of overmodulation with integrated closed loop stator flux vector control. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 1161-1168	7.2	21
215	Fault detection and diagnosis in synchronous motors using hidden Markov model-based semi-nonparametric approach. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 1919-1929	7.2	20
214	Optimal Power Flow Solution Using Self-Evolving Brainstorming Inclusive Teaching-Learning-Based Algorithm. <i>Lecture Notes in Computer Science</i> , 2013 , 338-345	0.9	20
213	Neutral current mitigation using controlled electric springs connected to microgrids within built environment 2014 ,		19
212	A Novel ZVS DC/DC Full-Bridge Converter With Hold-Up Time Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4491-4500	8.9	18
211	A Special Application Criterion of the Nine-Switch Converter With Reduced Conduction Loss. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2853-2862	8.9	18
210	A Matrix-Based Nonisolated Three-Phase AC/DC Rectifier With Large Step-Down Voltage Gain. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4796-4811	7.2	18
209	Load-side demand management in buildings using controlled electric springs 2014 ,		18
208	An SiC-MOSFET-Based Nine-Switch Single-Stage Three-Phase AC/DC Isolated Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 9083-9093	8.9	17
207	Optimization of economic load dispatch for a microgrid using evolutionary computation 2011 ,		17
206	Application of Spatial Iterative Learning Control for Direct Torque Control of Switched Reluctance Motor Drive. <i>IEEE Power Engineering Society General Meeting</i> , 2007 ,		17
205	. <i>IEEE Transactions on Industrial Electronics</i> , 1991 , 38, 95-101	8.9	17
204	Shared energy storage management for renewable energy integration in smart grid 2016 ,		17
203	A Fault Diagnosis and Postfault Reconfiguration Scheme for Interleaved Boost Converter in PV-Based System. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3769-3780	7.2	17
202	Optimal Thrust Allocation for Semisubmersible Oil Rig Platforms Using Improved Harmony Search Algorithm. <i>IEEE Journal of Oceanic Engineering</i> , 2014 , 39, 526-539	3.3	16
201	Automatic frequency tuning wireless charging system for enhancement of efficiency. <i>Electronics Letters</i> , 2014 , 50, 1868-1870	1.1	16
200	Analysis and Design of APWM Half-Bridge Series Resonant Converter With Magnetizing Current Assisted ZVS. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1993-2003	8.9	15
199	Implementation of Smart LED Lighting and Efficient Data Management System for Buildings. <i>Energy Procedia</i> , 2017 , 143, 173-178	2.3	14

198	Highly efficient wireless energy harvesting system using metamaterial based compact CP antenna 2013,		14
197	An intelligent home appliance control-based on WSN for smart buildings 2016,		14
196	A Lyapunov function based current controller to control active and reactive power flow in a three phase grid connected PV inverter under generalized grid voltage conditions 2011,		13
195	Efficient solar energy harvester for wireless sensor nodes 2010,		13
194	A Review on Bidirectional Matrix-Based AC-DC Conversion for Modular Solid-State-Transformers 2019,		13
193	A New Control Architecture With Spatial Comb Filter and Spatial Repetitive Controller for Circulating Current Harmonics Elimination in a Droop-Regulated Modular Multilevel Converter for Wind Farm Application. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10509-10523	7.2	12
192	A novel matrix based isolated three phase AC-DC converter with reduced switching losses 2015,		12
191	Hydrodynamics study of a BCF mode bioinspired robotic-fish underwater vehicle using Lighthill's slender body model. <i>Journal of Marine Science and Technology</i> , 2016 , 21, 102-114	1.7	12
190	Modular Interleaved Soft-Switching DC-DC Converter for High-Altitude Wind Energy Application. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2014 , 2, 727-738	5.6	12
189	Analysis and Design of SQR-Based High-Voltage LLC Resonant DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4466-4481	7.2	12
188	A current modulation scheme for direct torque control of switched reluctance motor using fuzzy logic. <i>Mechatronics</i> , 2000 , 10, 353-370	3	12
187	Optimal PV and storage sizing for PV-battery-diesel hybrid systems 2016,		12
186	Capacitor Voltage Ripple Suppression in a Modular Multilevel Converter Using Frequency-Adaptive Spatial Repetitive-Based Circulating Current Controller. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9839-9849	7.2	11
185	An optimized MPPT circuit for thermoelectric energy harvester for low power applications 2011,		11
184	Modulation of Direct Matrix-Based Dual-Active-Bridge (MB-DAB) AC-DC Converters 2021,		11
183	Inter-Turn Fault Detection of Dry-Type Transformers Using Core-Leakage Fluxes. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 1230-1241	4.3	11
182	Photovoltaic condition monitoring using real-time adaptive parameter identification 2017,		10
181	Derivation of instantaneous current references for three phase PV inverter connected to grid with active and reactive power flow control 2011,		10

180	A new control strategy for single phase series connected PV module inverter for grid voltage compensation 2009 ,		10
179	A Bidirectional Matrix-Based AC-DC Dual-Active Bridge for Modular Solid-State-Transformers 2020 ,		10
178	A Novel Open-Circuit Fault Detection and Localization Scheme for Cascaded H-Bridge Stage of a Three-Stage Solid-State Transformer. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8713-8729	7.2	10
177	Alternating current and direct current-based electrical systems for marine vessels with electric propulsion drives. <i>Applied Energy</i> , 2018 , 231, 747-756	10.7	10
176	Analysis of Modulation and Optimal Design Methodology for Half-Bridge Matrix-Based Dual-Active-Bridge (MB-DAB) AC-DC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	10
175	Novel High-Power Nonresonant Multichannel LED Driver. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5851-5864	8.9	9
174	Medium voltage multilevel converters for ship electric propulsion drives 2015 ,		9
173	Overview of high altitude wind energy harvesting system 2013 ,		9
172	Condition monitoring of power electronic converters in power plants [A review 2017 ,		9
171	2013 ,		9
170	Resonance-Based Wireless Energizing of Piezoelectric Components. <i>IEEE Magnetics Letters</i> , 2011 , 2, 6000204-6000204	6.0	9
169	Improved Harmony Search algorithm based optimal design of the brushless DC wheel motor 2010 ,		9
168	Performance analysis and evaluation of reactive power compensating electric spring with linear loads. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 101, 116-126	5.1	8
167	A luenberger observer-based fault detection and identification scheme for photovoltaic DC-DC converters 2017 ,		8
166	A single-stage isolated bidirectional matrix based AC-DC converter for energy storage 2017 ,		8
165	Generation and Transmission of Electrical Energy in High-Altitude Wind Power Generating System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 459-470	5.6	8
164	Energy-Efficient Thrust Allocation for Semi-Submersible Oil Rig Platforms Using Improved Harmony Search Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 913-924	11.9	8
163	Design of a Spatial iterative learning controller for single phase series connected PV module inverter for grid voltage compensation 2010 ,		8

162	Dynamic analysis of cylindrical ultrasonic motor under external excitation. <i>Sensors and Actuators A: Physical</i> , 2003 , 105, 247-254	3.9	8
161	Pervasive Intelligence System to Enable Safety and Assistance in Kitchen for Home-Alone Elderly. <i>Lecture Notes in Computer Science</i> , 2011 , 276-280	0.9	8
160	. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 1474-1480	3.7	8
159	Placement and sizing optimization for PV-battery-diesel hybrid systems 2016 ,		8
158	Fault diagnosis via PV panel-integrated power electronics 2016 ,		8
157	Machine Learning Aided Optimization Framework for Design of Medium-Voltage Grid-Connected Solid-State-Transformers. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	8
156	Feasibility study on wind energy harvesting system implementation in moving trains. <i>Electrical Engineering</i> , 2018 , 100, 1837-1845	1.5	7
155	Degradation Detection and Diagnosis of Inductors in LCL Filter Integrated With Active Front End Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1622-1632	7.2	7
154	Impact of altitude and power rating on power-to-weight and power-to-cost ratios of the high altitude wind power generating system. <i>Renewable Energy</i> , 2018 , 115, 16-27	8.1	7
153	PV-GO: A multiobjective and robust optimization approach for the grid metallization design of Si-based solar cells and modules. <i>Progress in Photovoltaics: Research and Applications</i> , 2019 , 27, 113-135	6.8	7
152	Inverse dynamics control of a bio-inspired robotic-fish underwater vehicle propulsion based on Lighthill slender body theory 2014 ,		7
151	A novel current control scheme using Lyapunov function to control the active and reactive power flow in a single phase hybrid PV inverter system connected to the grid 2010 ,		7
150	A high power density three phase AC-DC converter for more electric aircraft (MEA) 2015 ,		6
149	Online condition monitoring and diagnosis techniques for dry type transformers incipient fault analysis through finite element modelling 2016 ,		6
148	GIS Integrated Automation of a Near Real-Time Power-Flow Service for Electrical Grids. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5661-5670	4.3	6
147	Methodology to qualify marine electrical propulsion system architectures for platform supply vessels. <i>IET Electrical Systems in Transportation</i> , 2018 , 8, 152-165	2.1	6
146	2014 ,		6
145	Modeling, Design, and Implementation of a Power Conversion System for Small-Scale High-Altitude Wind Power Generating System. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 283-295	4.3	6

144	Fuel efficiency improvement by optimal scheduling of diesel generators using PSO in offshore support vessel with DC power system architecture 2015 ,		6
143	Harnessing high altitude wind power using light gas filled blimp 2013 ,		6
142	Applicability of synchronized charge extraction technique for piezoelectric energy harvesting 2011 ,		6
141	Supply-side Current Harmonics Control of Three Phase PWM Boost Rectifiers Under Distorted and Unbalanced Supply Voltage Conditions 2007 ,		6
140	Effect of Pulse-Width Modulation Schemes on the Performance of Three-Phase Voltage Source Converter 2007 ,		6
139	Design of Integrated Medium Frequency Transformer (iMFT) for Dual-Active-Bridge (DAB) Based Solid-State-Transformers 2021 ,		6
138	Switchgear Condition Assessment and Lifecycle Management: Standards, Failure Statistics, Condition Assessment, Partial Discharge Analysis, Maintenance Approaches, and Future Trends. <i>IEEE Electrical Insulation Magazine</i> , 2021 , 37, 27-41	2.1	6
137	Spatial repetitive controller for minimizing circulating harmonic currents in modular multilevel converters for variable frequency applications 2016 ,		6
136	Design, fabrication and testing of smart lighting system 2016 ,		6
135	A Multipurpose and Power Quality Improved Electric Vessels Charging Station for the Seaports. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	6
134	Finding answers to biological control methods using modulated patterns: An application to bio-inspired robotic fish 2015 ,		5
133	A reinforcement learning algorithm for Agent-based Computational Economics (ACE) model of electricity markets 2015 ,		5
132	Voltage and current-harmonics induced ageing in electrical insulation 2017 ,		5
131	Performance of Electric Springs with multiple variable loads 2016 ,		5
130	Subsea power transmission cable modelling: Reactive power compensation and transient response studies 2016 ,		5
129	Dynamic modeling of variable ballast tank for spherical underwater robot 2013 ,		5
128	A fault tolerant control approach for a three-stage cascaded multilevel solid state transformer 2017 ,		5
127	Detection and analysis of winding and demagnetization faults in PMSM based marine propulsion motors 2017 ,		5

126	Progressing towards DC electrical systems for marine vessels. <i>Energy Procedia</i> , 2017 , 143, 27-32	2.3	5
125	Reliable detection of open-circuit faults in cascaded H-bridge multilevel inverter via current residual analysis 2017 ,		5
124	Eccentricity fault analysis in PMSM based marine propulsion motors 2017 ,		5
123	A review on condition monitoring of GIS 2017 ,		5
122	2015 ,		5
121	Application of artificial intelligence techniques to the study of machine signatures 2012 ,		5
120	Kinematics study and implementation of a biomimetic robotic-fish underwater vehicle based on Lighthill slender body model 2012 ,		5
119	Modular interleaved ZVS current fed isolated DC-DC converter for harvesting high altitude wind power 2013 ,		5
118	Optimization of the power generation scheduling in oil-rig platforms using Genetic Algorithm 2010 ,		5
117	Dual axis sun tracking system with PV cell as the sensor, utilizing hybrid electrical characteristics of the cell to determine insolation 2010 ,		5
116	Intelligent compensation of friction, ripple, and hysteresis via a regulated chatter. <i>ISA Transactions</i> , 2006 , 45, 419-33	5.5	5
115	Power Balance Control of Cascaded Matrix-Based Dual-Active-Bridge Converter 2020 ,		5
114	An open-switch fault detection method for cascaded H-bridge multilevel inverter fed industrial drives 2016 ,		5
113	Transactive Energy Market Framework for Decentralized Coordination of Demand Side Management Within a Cluster of Buildings. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 3385-3395	4.3	5
112	Smart High Power Charging Networks and Optimal Control Mechanism for Electric Ships. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	5
111	Electric spring for voltage and power stability and power factor correction 2015 ,		4
110	Detection and Isolation of Interturn Faults in Inductors of LCL Filter for Marine Electric Propulsion System. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 232-248	7.6	4
109	Design, analysis and implementation of a four-tier centralized control architecture for intelligent operation of grid-connected microgrids 2016 ,		4

108	Improved Performance With Dual-Model Predictive Control for Cascaded H-Bridge Multilevel Converter. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 4886-4899	4-3	4
107	A repetitive and Lyapunov function-based control approach for improved steady state and dynamic performance of modular multilevel converters 2017 ,		4
106	Design of a sliding mode observer for sensorless control of SPMSM operating at medium and high speeds 2015 ,		4
105	A visually guided spherical underwater robot 2015 ,		4
104	High-frequency soft-switching LCC resonant current-fed DC/DC converter with high voltage gain for DC microgrid application 2014 ,		4
103	Optimization of distribution network incorporating microgrid using vaccine-AIS 2012 ,		4
102	A novel four-leg three-phase inverter control strategy to reduce the data center thermal losses: Elimination of neutral current 2012 ,		4
101	A real time control algorithm for a myoelectric glove for the rehabilitation of wrist and elbow of stroke patients 2010 ,		4
100	Performance Comparison of Voltage Mode Control and Current Mode Control of a Three-Phase PWM Rectifier based on a Dual SISO Model. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , 2006 ,		4
99	Analytical Expression-Based Modulation for Soft-Switched Matrix-Based Dual-Active-Bridge (S2MB-DAB) Single-Phase AC-DC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	4
98	Implementation of Power Balance Control Scheme for a Cascaded Matrix-Based Dual-Active-Bridge (CMB-DAB) MVAC-LVDC Converter. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4-3	4
97	Improvement in efficiency and reliability for diesel- electric propulsion based marine vessels using genetic algorithm 2016 ,		4
96	Energy management for demand responsive users with shared energy storage system 2016 ,		4
95	On the Grid Metallization Optimization Design for Monofacial and Bifacial Si-Based PV Modules for Real-World Conditions. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 112-118	3-7	4
94	Tap changing transformer based dual active bridge bi-directional DC-DC converter 2015 ,		3
93	Maximum power-point tracking of high altitude wind power generating system using optimal vector control technique 2015 ,		3
92	MMC based multi-terminal HVDC subsea power transmission system with the integration of offshore renewable energy 2017 ,		3
91	FailSafe: A generalized methodology for converter fault detection, identification, and remediation in nanogrids 2015 ,		3

90	Effect of design parameters on resonant wireless energy transfer system. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 288-298	1.3	3
89	Fault diagnostic techniques for induction machines through finite element analysis 2017 ,		3
88	Strategies for thermal comfort improvement and energy savings in existing office buildings using occupant feedback 2015 ,		3
87	Brain-Map Based Carangiform Swimming Behaviour Modeling and Control in a Robotic Fish Underwater Vehicle. <i>International Journal of Advanced Robotic Systems</i> , 2015 , 12, 52	1.4	3
86	Vibration signature analysis of stator winding fault diagnosis in brushless synchronous generators 2015 ,		3
85	Optimal appliance scheduling in building operating systems for cost-effective energy management 2014 ,		3
84	A study on torque modelling of switched reluctance motors 2013 ,		3
83	Development of holistic physical therapy management system using multimodal sensor network 2010 ,		3
82	Design, modeling and open-loop control of a BCF mode bio-mimetic Robotic Fish 2011 ,		3
81	Microcontroller based voice-activated powered wheelchair control 2007 ,		3
80	Computational Feasibility of Multi-objective Optimal Design Techniques for Grid-Connected Multi-cell Solid-State-Transformers 2021 ,		3
79	Small Signal Stability Improvement of Microgrid with Battery Energy Storage System Based on Real-time Grid Impedance Measurement. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	3
78	Analysis of Balance Controllers for Cascaded Modular Solid-State Transformer during Steady-state, Transient and Fault Conditions 2020 ,		3
77	A new control scheme to improve load transient response of single phase PWM rectifier with Auxiliary Current Injection Circuit 2016 ,		3
76	Power conversion system for high altitude wind power generation with medium voltage AC transmission. <i>Renewable Energy</i> , 2016 , 93, 562-578	8.1	3
75	A Matrix-Based Solid-State-Transformer For A Hybrid Nanogrid 2018 ,		3
74	An improved robust adaptive parameter identifier for DC-DC converters using H-infinity design 2018 ,		3
73	Command Authentication using Multi-Agent System for Attacks on the Economic Dispatch Problem. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	3

72	Angle compensation based rotor position estimation for sensorless vector control of the permanent magnet synchronous motor 2017 ,	2
71	Condition monitoring and winding fault detection of inductors in LCL filter integrated with active front end rectifier 2015 ,	2
70	Solid state transformer control aspects for various smart grid scenarios 2017 ,	2
69	A new control approach for improved dynamic performance of MMC based HVDC subsea power transmission system 2017 ,	2
68	Improvement of power quality and reliability in the distribution system of petrochemical plants using active power filters 2018 ,	2
67	Spatial repetitive controller for improved steady state performance of droop regulated modular multilevel converter in wind farm application 2018 ,	2
66	Bio-harmonized control experiments of a carangiform robotic fish underwater vehicle. <i>Advanced Robotics</i> , 2016 , 30, 338-351	1.7 2
65	A Complete Hardware Setup for Smart Lighting System 2019 ,	2
64	Improved Brushless Synchronous Generator model to study the turn-to-turn short circuit fault 2014 ,	2
63	Modelling, design and control of grid connected converter for high altitude wind power application 2014 ,	2
62	Finding an operating region for a bio-inspired robotic fish underwater vehicle in the Lighthill framework 2013 ,	2
61	Comparison of ZVS based isolated DC-DC converters for high altitude wind power application 2013 ,	2
60	User Presence Estimation in Multi-Occupancy Rooms Using Plug-Load Meters and PIR Sensors 2017 ,	2
59	A smart lighting system using wireless sensor actuator network 2017 ,	2
58	Fault identification algorithm for MMC based hybrid High Voltage DC transmission system for deep-water oil and gas processing 2017 ,	2
57	Outlier detection and data filtering for wireless sensor and actuator networks in building environment 2015 ,	2
56	Thermal prognosis of dry-type transformer: Simulation study on load and ambient temperature impacts 2015 ,	2
55	A nine-switch interleaved three-phase AC-DC single stage isolated converter implemented with SiC MOSFETs 2015 ,	2

54	A new phase shedding and phase adding control scheme for interleaved DAB converter operating in IPOP configuration 2015 ,		2
53	Feasibility analysis of auxiliary winding for condition monitoring of wound field brushless synchronous generators 2015 ,		2
52	Kinematic parameter based behaviour modelling and control of a bio-inspired robotic fish 2014 ,		2
51	SIW-based slot array antenna and power management circuit for wireless energy harvesting applications 2012 ,		2
50	Improved phase detection technique for grid synchronization of DG systems during grid abnormalities 2013 ,		2
49	A compact resonance-based wireless energy transfer system for implanted electronic devices 2011 ,		2
48	Piezoelectric components wirelessly driven by dipole antenna-like electric field generator. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 1085-1092 ^{3,1}		2
47	Series connected photovoltaic power inverter 2008 ,		2
46	Survey of Open-circuit Fault Detection and Localization Methods Applicable to Cascaded H-bridge Multilevel Converters 2020 ,		2
45	An Open-Circuit Fault Detection and Localization Scheme for Cascaded H-Bridge Multilevel Converter Without Additional Sensors. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4-3	2
44	Context-Aware Plug-Load Identification Toward Enhanced Energy Efficiency in the Built Environment. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6781-6791	4-3	2
43	Analysis of active power decoupling in single-phase rectifier using six-switch topology 2016 ,		2
42	A novel matrix based non-isolated buck-boost converter for more electric aircraft 2016 ,		2
41	Fuel-efficient low-voltage DC architecture for diesel-electric diving support vessels 2016 ,		2
40	D-Q Frame Impedance Measurement and Small Signal Stability Improvement in a 3- ϕ System with Constant Power Loads by an Active Control Method 2018 ,		2
39	Effect of line impedance on electric spring control 2018 ,		2
38	Power conversion system for low power high altitude wind power generating system 2015 ,		1
37	Simulation of a Standalone Microgrid with Hybrid Energy Sources 2019 ,		1

36	Novel switching scheme for matrix based isolated three phase AC to DC conversion 2014,		1
35	Energy-efficient optimal thrust allocation for spherical underwater robot 2013,		1
34	Location-aware smart lighting system for individual visual comfort in buildings 2017,		1
33	Harmonic load modeling for smart microgrids 2015,		1
32	STUDY OF RESONANCE-BASED WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM IN CLOSE PROXIMITY TO METALLIC OBJECTS. <i>Progress in Electromagnetics Research M</i> , 2014 , 37, 183-189	0.6	1
31	A novel high output voltage DC-DC LLC resonant converter with symmetric voltage quadrupler rectifier for RF communications 2014,		1
30	Purely inductive ripple power storage for improved lifetime in solar photovoltaic micro-inverter topology 2014,		1
29	Piezoelectric device wirelessly driven by electric field. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2013 , 42, 171-178	0.4	1
28	A FBD theory based grid frequency independent current reference generation method for a three phase inverter interfacing renewable energy sources to generalized micro-grid 2011,		1
27	Wireless energy transmission to piezoelectric component by flat spiral coil antenna-like structure 2010,		1
26	A chattering free Lyapunov function based sliding mode controller applied to single phase series connected PV Inverter for grid voltage compensation 2010,		1
25	Dual frame control scheme with a plug-in frequency domain based repetitive controller for three phase PWM boost rectifier under distorted and unbalanced supply voltages 2008,		1
24	Analysis and Experimental Validation of the Output Voltage and Input Current Performances in Three Phase PWM Boost Rectifiers Under Unbalanced and Distorted Supply Voltage Conditions. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007,		1
23	Analysis and Control of the Output Instantaneous Power for Three Phase PWM Boost Rectifier Under Unbalanced Supply Voltage Conditions. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , 2006,		1
22	Low Torque Ripple Control of Switched Reluctance Motors Using Iterative Learning. <i>IEEE Power Engineering Review</i> , 2001 , 21, 66-66		1
21	Hybrid feedback linearization-fuzzy controller for variable reluctance motors. <i>International Journal of Electronics</i> , 1996 , 80, 155-167	1.2	1
20	VARIABLE STRUCTURE CONTROL OF AC-DC SYSTEM. <i>Electric Power Components and Systems</i> , 1996 , 24, 345-362		1
19	Small Signal Stability Analysis of Three-Phase Microgrid in the Presence of Energy Storage System 2020,		1

18	Condition monitoring system of Ubin Island micro-grid 2016 ,		1
17	Inter-turns fault diagnosis for surface permanent magnet based marine propulsion motors 2016 ,		1
16	Personal thermal comfort management in existing office buildings using energy-efficient fans 2016 ,		1
15	A wireless sensor and actuator network (WSAN) framework for personalized thermal comfort in office buildings 2016 ,		1
14	Fault-tolerant cascaded multi-level inverter with improved output quality 2016 ,		1
13	Performance evaluation of electric spring: Effect of load variation on voltage regulation 2016 ,		1
12	Diagnosis and Prognosis of LCL Filter in Marine Electric Propulsion Systems 2019 ,		1
11	Condition Monitoring framework for Converter Transformers used in Marine Electric Propulsion 2018 ,		1
10	Building energy management system for transactive energy framework 2018 ,		1
9	The Input Displacement Power Factor Compensation of a Matrix Based Isolated Bidirectional AC-DC converter 2018 ,		1
8	Dual-Model Predictive Control for Cascaded H-Bridge Multilevel Active Rectifier with DC Voltage Balancing in a Solid-State Transformer 2018 ,		1
7	A Matrix-based Isolated Bidirectional AC-DC Converter with LCL type Input Filter for Energy Storage Applications. <i>IEEJ Journal of Industry Applications</i> , 2019 , 8, 644-651	0.7	0
6	Non-invasive Model-based Open-Circuit Switch Fault Detection of AC-Bypass Leg Switches in Transformerless PV Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	0
5	Inter-turn Fault Detection of Induction Motors using End-shield Leakage Fluxes. <i>IEEE Transactions on Energy Conversion</i> , 2022 , 1-1	5.4	0
4	Robust Protective Relay Setting and Coordination Using Modified Differential Evolution Considering Different Network Topologies. <i>Lecture Notes in Computer Science</i> , 2013 , 107-118	0.9	
3	Multiobjective Optimization of Current Waveforms for Switched Reluctance Motors by Genetic Algorithm. <i>International Journal of Modelling and Simulation</i> , 2004 , 24, 161-167	1.5	
2	Diagnosing disk-space variation in transformer windings using high-frequency inductance measurement. <i>IEEE Transactions on Power Delivery</i> , 2022 , 1-1	4.3	
1	Biomimicking a Brain-Map Based BCF Mode Carangiform Swimming Behaviour in a Robotic-Fish Underwater Vehicle. <i>Mechanisms and Machine Science</i> , 2014 , 311-319	0.3	

