Hemanshu R Pota

List of Publications by Year
in descending order

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191	4,346	136740	133063
papers	citations	32 h-index	59 g-index

192	192	192	3742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MPPT methods for solar PV systems: a critical review based on tracking nature. IET Renewable Power Generation, 2019, 13, 1615-1632.	1.7	246
2	Modified PSO algorithm for real-time energy management in grid-connected microgrids. Renewable Energy, 2019, 136, 746-757.	4.3	213
3	Evolution of microgrids with converter-interfaced generations: Challenges and opportunities. International Journal of Electrical Power and Energy Systems, 2019, 109, 160-186.	3.3	206
4	Overview of AC Microgrid Controls with Inverter-Interfaced Generations. Energies, 2017, 10, 1300.	1.6	151
5	Investigation of the Impacts of Large-Scale Wind Power Penetration on the Angle and Voltage Stability of Power Systems. IEEE Systems Journal, 2012, 6, 76-84.	2.9	127
6	Robust Control for Power Sharing in Microgrids With Low-Inertia Wind and PV Generators. IEEE Transactions on Sustainable Energy, 2015, 6, 1067-1077.	5.9	122
7	Energy scheduling of community microgrid with battery cost using particle swarm optimisation. Applied Energy, 2019, 254, 113723.	5.1	110
8	Energy management for a commercial building microgrid with stationary and mobile battery storage. Energy and Buildings, 2016, 116, 141-150.	3.1	108
9	Multi-Agent Approach for Enhancing Security of Protection Schemes in Cyber-Physical Energy Systems. IEEE Transactions on Industrial Informatics, 2017, 13, 436-447.	7.2	105
10	Simultaneous STATCOM and Pitch Angle Control for Improved LVRT Capability of Fixed-Speed Wind Turbines. IEEE Transactions on Sustainable Energy, 2010, 1, 142-151.	5.9	103
11	Size Optimization and Sensitivity Analysis of Hybrid Wind/PV Micro-Grids- A Case Study for Bangladesh. IEEE Access, 2019, 7, 150120-150140.	2.6	101
12	Forecasting the EV charging load based on customer profile or station measurement?. Applied Energy, 2016, 163, 134-141.	5.1	99
13	Energy management of community microgrids considering degradation cost of battery. Journal of Energy Storage, 2019, 22, 257-269.	3.9	90
14	Flight control of a rotary wing UAV using backstepping. International Journal of Robust and Nonlinear Control, 2010, 20, 639-658.	2.1	87
15	Fast Prediction for Sparse Time Series: Demand Forecast of EV Charging Stations for Cell Phone Applications. IEEE Transactions on Industrial Informatics, 2015, 11, 242-250.	7.2	81
16	Evacuation path optimization based on quantum ant colony algorithm. Advanced Engineering Informatics, 2016, 30, 259-267.	4.0	78
17	Nonlinear Controller Design for Series-Compensated DFIG-Based Wind Farms to Mitigate Subsynchronous Control Interaction. IEEE Transactions on Energy Conversion, 2017, 32, 707-719.	3.7	76
18	Islanding Detection of Synchronous Distributed Generator Based on the Active and Reactive Power Control Loops. Energies, 2018, 11, 2819.	1.6	75

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19	Control Strategies for Augmenting LVRT Capability of DFIGs in Interconnected Power Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2510-2522.	5.2	71
20	Robust Nonlinear Adaptive Feedback Linearizing Decentralized Controller Design for Islanded DC Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 5343-5352.	3.3	69
21	Adaptive output-based command shaping for sway control of a 3D overhead crane with payload hoisting and wind disturbance. Mechanical Systems and Signal Processing, 2018, 98, 157-172.	4.4	67
22	Reactive power management of distribution networks with wind generation for improving voltage stability. Renewable Energy, 2013, 58, 85-94.	4.3	62
23	Multi-Timescale Model Predictive Control of Battery Energy Storage System Using Conic Relaxation in Smart Distribution Grids. IEEE Transactions on Power Systems, 2018, 33, 7152-7161.	4.6	60
24	Resonant Controller Design for a Piezoelectric Tube Scanner: A Mixed Negative-Imaginary and Small-Gain Approach. IEEE Transactions on Control Systems Technology, 2014, 22, 1899-1906.	3.2	59
25	Damping Controller Design for Nanopositioners: A Mixed Passivity, Negative-Imaginary, and Small-Gain Approach. IEEE/ASME Transactions on Mechatronics, 2015, 20, 416-426.	3.7	57
26	Energy management of community energy storage in grid-connected microgrid under uncertain real-time prices. Sustainable Cities and Society, 2021, 66, 102658.	5.1	56
27	Robust control strategy for PV system integration in distribution systems. Applied Energy, 2012, 99, 355-362.	5.1	47
28	Transient stability of power system integrated with doubly fed induction generator wind farms. IET Renewable Power Generation, 2015, 9, 184-194.	1.7	43
29	A Survey of Methods Used to Control Piezoelectric Tube Scanners in Highâ€Speed AFM Imaging. Asian Journal of Control, 2018, 20, 1379-1399.	1.9	39
30	Mitigation of Multimodal Subsynchronous Resonance Via Controlled Injection of Supersynchronous and Subsynchronous Currents. IEEE Transactions on Power Systems, 2014, 29, 1335-1344.	4.6	38
31	Common-Ground-Type Five-Level Transformerless Inverter Topology With Full DC-Bus Utilizaton. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	37
32	Improved Design of High-Performance Controller for Voltage Control of Islanded Microgrid. IEEE Systems Journal, 2019, 13, 1786-1795.	2.9	34
33	Battery Energy Storage System Control for Intermittency Smoothing Using an Optimized Two-Stage Filter. IEEE Transactions on Sustainable Energy, 2018, 9, 664-675.	5.9	33
34	Robust <scp>H</scp>^{â^ž} Control in Fast Atomic Force Microscopy. Asian Journal of Control, 2013, 15, 872-887.	1.9	32
35	A Need-Based Distributed Coordination Strategy for EV Storages in a Commercial Hybrid AC/DC Microgrid With an Improved Interlinking Converter Control Topology. IEEE Transactions on Energy Conversion, 2018, 33, 1372-1383.	3.7	32
36	Real-Time Adaptive Intelligent Control System for Quadcopter Unmanned Aerial Vehicles With Payload Uncertainties. IEEE Transactions on Industrial Electronics, 2022, 69, 1641-1653.	5.2	32

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37	Practical stability of switched systems without a common equilibria and governed by a time-dependent switching signal. European Journal of Control, 2013, 19, 206-213.	1.6	30
38	Multivariable Negative-Imaginary Controller Design for Damping and Cross Coupling Reduction of Nanopositioners: A Reference Model Matching Approach. IEEE/ASME Transactions on Mechatronics, 2015, 20, 3123-3134.	3.7	30
39	Dynamic Compensation for Control of a Rotary wing UAV Using Positive Position Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 43-56.	2.0	28
40	A Novel Control Approach for High-Precision Positioning of a Piezoelectric Tube Scanner. IEEE Transactions on Automation Science and Engineering, 2017, 14, 325-336.	3.4	28
41	Velocity Control of a UAV using Backstepping Control. , 2006, , .		26
42	Modified pattern sequence-based forecasting for electric vehicle charging stations. , 2014, , .		26
43	A MIMO Double Resonant Controller Design for Nanopositioners. IEEE Nanotechnology Magazine, 2015, 14, 224-237.	1.1	25
44	Fast Univariate Time Series Prediction of Solar Power for Real-Time Control of Energy Storage System. Forecasting, 2018, 1, 107-120.	1.6	25
45	Backstepping-based landing control of a RUAV using tether incorporating flapping correction dynamics. , 2008, , .		24
46	Taxonomy of Attacks for Agent-Based Smart Grids. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1886-1895.	4.0	24
47	Effect of Improved Tracking for Atomic Force Microscope on Piezo Nonlinear Behavior. Asian Journal of Control, 2015, 17, 747-761.	1.9	24
48	Chattering-Free Trajectory Tracking Robust Predefined-Time Sliding Mode Control for a Remotely Operated Vehicle. Journal of Control, Automation and Electrical Systems, 2020, 31, 1177-1195.	1.2	24
49	Intelligent energy management: Evolving developments, current challenges, and research directions for sustainable future. Journal of Cleaner Production, 2021, 314, 127904.	4.6	24
50	Optimal Dispatch of Battery Energy Storage System Using Convex Relaxations in Unbalanced Distribution Grids. IEEE Transactions on Industrial Informatics, 2020, 16, 97-108.	7.2	23
51	Visual Tracking and LIDAR Relative Positioning for Automated Launch and Recovery of an Unmanned Rotorcraft from Ships at Sea. Naval Engineers Journal, 2009, 121, 99-110.	0.1	22
52	Resonant controller for fast atomic force microscopy. , 2012, , .		22
53	Quantitative assessment and comparison of fault responses for synchronous generator and wind turbine generators based on modified transient energy function. IET Renewable Power Generation, 2014, 8, 474-483.	1.7	22
54	Design of a gust-attenuation controller for landing operations of Unmanned Autonomous Helicopters. , 2009, , .		20

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55	Optimal sizing of grid-tied hybrid renewable energy systems considering inverter to PV ratioâ€"A case study. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	20
56	Real-Time Model-Free Coordination of Active and Reactive Powers of Distributed Energy Resources to Improve Voltage Regulation in Distribution Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 1483-1494.	5.9	20
57	Control for microgrids with inverter connected renewable energy resources. , 2014, , .		19
58	Accurate proportional power sharing with minimum communication requirements for inverter-based islanded microgrids. International Journal of Electrical Power and Energy Systems, 2020, 121, 106036.	3.3	19
59	Designing Constraint-Based False Data-Injection Attacks Against the Unbalanced Distribution Smart Grids. IEEE Internet of Things Journal, 2021, 8, 9422-9435.	5.5	19
60	Flight control of a Rotary wing UAV using adaptive backstepping. , 2009, , .		18
61	A novel forecasting algorithm for electric vehicle charging stations. , 2014, , .		18
62	Droop control for islanded microgrids. , 2013, , .		17
63	Vehicle-to-grid automatic load sharing with driver preference in micro-grids. , 2014, , .		17
64	Impact of VSC faults on dynamic performance and low voltage ride through of DFIG. International Journal of Electrical Power and Energy Systems, 2015, 65, 334-347.	3.3	17
65	Simulation of a tractor-implement model under the influence of lateral disturbances. , 2007, , .		16
66	Design of Non-Interacting Controllers for PV Systems in Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 2763-2774.	4.6	16
67	Platform Enhancements and System Identification for Control of an Unmanned Helicopter. , 2006, , .		15
68	The design of model predictive control for an AFM and its impact on piezo nonlinearities. European Journal of Control, 2014, 20, 188-198.	1.6	15
69	A chronological review of prospects of solar photovoltaic systems in Bangladesh: Feasibility study analysis, policies, barriers, and recommendations. IET Renewable Power Generation, 2021, 15, 2109-2132.	1.7	15
70	Fast demand forecast of Electric Vehicle Charging Stations for cell phone application. , 2014, , .		14
71	An eightâ€switch fiveâ€level inverter with zero leakage current. IET Power Electronics, 2021, 14, 590-601.	1.5	14
72	Prediction of vertical motions for landing operations of UAVs. , 2008, , .		13

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73	Stability analysis for interconnected systems with “mixed” passivity, negative-imaginary and small-gain properties. , 2013, , .		13
74	Resonant control of atomic force microscope scanner: A “mixed” negative-imaginary and small-gain approach. , 2013, , .		13
75	Synchronization Conditions for a Multirate Kuramoto Network With an Arbitrary Topology and Nonidentical Oscillators. IEEE Transactions on Cybernetics, 2019, 49, 2242-2254.	6.2	13
76	Multi-Timescale Voltage Stability-Constrained Volt/VAR Optimization With Battery Storage System in Distribution Grids. IEEE Transactions on Sustainable Energy, 2020, 11, 868-878.	5.9	13
77	State and disturbance observersâ€based chatteringâ€free fixedâ€time sliding mode control for a class of highâ€order nonlinear systems. Advanced Control for Applications, 2021, 3, e81.	0.8	13
78	Multilevel commonâ€ground inverter with voltage boosting for PV applications. IET Power Electronics, 2021, 14, 901-911.	1.5	13
79	A Flatness Based Approach to Trajectory Modification of Residual Motion of Cable Transporter Systems. JVC/Journal of Vibration and Control, 2004, 10, 1441-1457.	1.5	12
80	Flight control of a rotary wing UAV - a practical approach. , 2008, , .		12
81	Adaptive synchronous reference frame virtual impedance controller for accurate power sharing in islanded ac-microgrids: A faster alternative to the conventional droop control. , 2017, , .		12
82	Smart Meter Data Obfuscation With a Hybrid Privacy-Preserving Data Publishing Scheme Without a Trusted Third Party. IEEE Internet of Things Journal, 2022, 9, 16080-16095.	5.5	12
83	Robust Control of a 2D Acoustic Enclosure*. Journal of Vibration and Acoustics, Transactions of the ASME, 2003, 125, 374-383.	1.0	11
84	Approach for improved positioning of an atomic force microscope piezoelectric tube scanner. Micro and Nano Letters, 2014, 9, 407-411.	0.6	11
85	Modeling Residential Electricity Consumption from Public Demographic Data for Sustainable Cities. Energies, 2022, 15, 2163.	1.6	11
86	Extension of IEC61850 with smart EV charging. , 2016, , .		10
87	Reduction of phase error between sinusoidal motions and vibration of a tube scanner during spiral scanning using an AFM. International Journal of Control, Automation and Systems, 2016, 14, 505-513.	1.6	10
88	Dynamic Performance Improvement of Piezoelectrically Driven Micro-Lens Actuators. Journal of Microelectromechanical Systems, 2020, 29, 1418-1420.	1.7	10
89	Mitigation of Frequency and Voltage Disruptions in Smart Grid During Cyber-Attack. Journal of Control, Automation and Electrical Systems, 2020, 31, 412-421.	1.2	10
90	Two novel approaches of adaptive finiteâ€time sliding mode control for a class of singleâ€input multipleâ€output uncertain nonlinear systems. IET Cyber-Systems and Robotics, 2021, 3, 173-183.	1.1	10

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91	Robust power system stabiliser design using minimax control approach: Validation using Real-time Digital Simulation. , 2007, , .		9
92	Flight validation of a feedforward gust-attenuation controller for an autonomous helicopter. Robotics and Autonomous Systems, 2011, 59, 1070-1079.	3.0	9
93	Enhancement of Transient Stability Limit and Voltage Regulation with Dynamic Loads Using Robust Excitation Control. International Journal of Emerging Electric Power Systems, 2013, 14, 561-570.	0.6	9
94	Design of a Controller for Active Power Sharing in a Highly-Resistive Microgrid. IFAC-PapersOnLine, 2015, 48, 288-293.	0.5	9
95	Centralized control of step voltage regulators and energy storage system under high photovoltaic penetration. , 2016, , .		9
96	Engineering energy storage sizing method considering the energy conversion loss on facilitating wind power integration. IET Generation, Transmission and Distribution, 2019, 13, 1693-1699.	1.4	9
97	Fixed-Time Adaptive Robust Synchronization with a State Observer of Chaotic Support Structures for Offshore Wind Turbines. Journal of Control, Automation and Electrical Systems, 2021, 32, 942-955.	1.2	9
98	Robust Nonlinear Controller Design for DCâ€“AC Converter in Grid-Connected Fuel Cell System. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 342-351.	3.0	9
99	Helicopter flight control using inverse optimal control and backstepping. , 2012, , .		8
100	LQR and Fuzzy Logic Control for the Three-Area Power System. Energies, 2021, 14, 8522.	1.6	8
101	The optimal placement of actuator and sensor for active noise control of soundâ€“structure interaction systems. Smart Materials and Structures, 2008, 17, 037001.	1.8	7
102	Cyber vulnerabilities on agent-based smart grid protection system. , 2014, , .		7
103	Incomplete data in smart grid: Treatment of missing values in electric vehicle charging data. , 2014, , .		7
104	Cyber Physical Energy Systems Modules for Power Sharing Controllers in Inverter Based Microgrids. Inventions, 2018, 3, 66.	1.3	7
105	Stability Analysis of Grid-Connected Photovoltaic Systems with Dynamic Phasor Model. Electronics (Switzerland), 2019, 8, 747.	1.8	7
106	Real-time Battery Energy Management for Residential Solar Power System. IFAC-PapersOnLine, 2019, 52, 407-412.	0.5	7
107	Stability analysis for interconnected systems with “mixed” negative-imaginary and passivity. , 2013, , .		6
108	A New Method to Design Robust Power Oscillation Dampers for Distributed Synchronous Generation Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	6

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109	High bandwidth multi-variable combined resonant and integral resonant controller for fast image scanning of atomic force microscope. , 2013, , .		6
110	Passive damping controller design for nanopositioners. , 2014, , .		6
111	Minimax LQG controller design for nanopositioners. , 2014, , .		6
112	A Novel Application of Minimax LQG Control Technique for Highâ€speed Spiral Imaging. Asian Journal of Control, 2018, 20, 1400-1412.	1.9	6
113	Practical stability of continuous-time switched systems without a common equilibria and governed by a time-dependent switching signal. , 2011, , .		5
114	A new approach for modeling and control of nonlinear systems via norm-bounded linear differential inclusions. Controle and Automacao, 2012, 23, 387-403.	0.2	5
115	Double resonant controller for fast atomic force microscopy. , 2013, , .		5
116	Control and Communication Techniques for the Smart Grid: An Energy Efficiency Perspective. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 987-998.	0.4	5
117	A Negative Imaginary Theory-based Controller Synthesis for Vibration Control of a Piezoelectric Tube Scanner. IFAC-PapersOnLine, 2017, 50, 3202-3207.	0.5	5
118	Robust Nonlinear Controller Design for Islanded Photovoltaic System with Battery Energy Storage. , 2020, , .		5
119	A robust resonant controller design for MEMS-based multi-layered prestressed piezoelectric cantilever beam. Sensors and Actuators A: Physical, 2022, 341, 113556.	2.0	5
120	Rotary wing UAV position control using backstepping. , 2007, , .		4
121	Planar trajectory tracking controller for a small-sized helicopter considering servos and delay constraints. , 2011, , .		4
122	Model predictive attitude control of vario unmanned helicopter. , 2011, , .		4
123	Estimation of Regions of Attraction for Time-Varying Uncertain Nonlinear Systems Modeled by a Particular Class of Linear Differential Inclusion. Journal of Control, Automation and Electrical Systems, 2013, 24, 409-419.	1.2	4
124	Multi-variable double resonant controller for fast image scanning of atomic force microscope. , 2013, , .		4
125	Intelligent Tracking Control System for Fast Image Scanning of Atomic Force Microscopes. Studies in Computational Intelligence, 2015, , 351-391.	0.7	4
126	New trends of reactive power sharing control for islanded microgrids: A cyber-physical review. , 2016, , .		4

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127	Nonlinear robust state feedback control system design for nonlinear uncertain systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2234-2252.	2.1	4
128	Optimal energy management system for strategic prosumer microgrids: An average bidding algorithm for prosumer aggregators. , 2017, , .		4
129	The Essentials of Power System Dynamics and Control. , 2018, , .		4
130	A Novel Compact dq-Reference Frame Model for Inverter-Based Microgrids. Electronics (Switzerland), 2019, 8, 1326.	1.8	4
131	Designing false data injection attacks penetrating ACâ€based bad data detection system and FDI dataset generation. Concurrency Computation Practice and Experience, 2022, 34, e5956.	1.4	4
132	Robust Partial Feedback Linearized Controller Design for Standalone Hybrid PV-BES System. Electronics (Switzerland), 2021, 10, 772.	1.8	4
133	Six-Switch Inverter for Grid-Connected PV Application with Zero Leakage Current. , 2020, , .		4
134	Five-level Common Ground Type Inverter for PV Application. , 2020, , .		4
135	Monotonous Trend Estimation of Deck Displacement for Automatic Landing of Rotorcraft UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 267-285.	2.0	3
136	Practical stability assessment of distributed synchronous generators under variations in the system equilibrium conditions. International Journal of Electrical Power and Energy Systems, 2014, 55, 275-284.	3.3	3
137	Nonlinear Controller Design for Vehicle-to-Grid Systems with Output LCL Filters. IFAC-PapersOnLine, 2015, 48, 529-534.	0.5	3
138	Enhancing grid compliance of DFIG wind generators to voltage sags and swells. , 2016, , .		3
139	Experiments on a Real-Time Energy Management System for Islanded Prosumer Microgrids. Electronics (Switzerland), 2019, 8, 925.	1.8	3
140	A Prototype of an Electromagnetic Induction Sensor for Non-Destructive Estimation of the Presence of Corrosive Chemicals Ensuing Concrete Corrosion. Sensors, 2019, 19, 1959.	2.1	3
141	Nonlinear Output Feedback Droop Control for Parallel Inverters in Standalone Microgrids. , 2019, , .		3
142	A Novel Transfer Learning Approach to Detect the Location of Transformers in Distribution Network. , 2020, , .		3
143	Generating Open-Source Datasets for Power Distribution Network Using OpenStreetMaps. , 2020, , .		3
144	Smoothing PV Power Fluctuations with Electric Vehicle and its Grid Interaction. , 2020, , .		3

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145	Guest Editorial: Special Section on â€œDeep Learning and Data Analytics to Support the Smart Grid Operation With Renewable Energyâ€• IEEE Transactions on Industrial Informatics, 2021, 17, 6935-6938.	7.2	3
146	Selection of appropriate load compositions for predicting the dynamic performance of distribution grids. IET Energy Systems Integration, 2019, 1, 276-287.	1.1	3
147	A Resonant Controller Design of Piezo-electrically Driven Micro-lens Actuator. , 2020, , .		3
148	Optimal Actuator-Sensor Placement for Acoustic Cavity. , 2006, , .		2
149	Flight Control of a Rotary wing UAV including Flapping Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10373-10378.	0.4	2
150	A Nonlinear Position Controller for Maritime Operations of Rotary-wing UAVs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1510-1515.	0.4	2
151	Power sharing in microgrids with minimum communication control. , 2015, , .		2
152	Comparative study of the response of wind turbine generators to voltage sags and swells. , 2016, , .		2
153	Data Driven Controller Design for Positioning Control of an AFM Scanner. IFAC-PapersOnLine, 2017, 50, 10889-10894.	0.5	2
154	Bidirectional Fuzzy Brain Emotional Learning Control for Aerial Robots. , 2018, , .		2
155	Power Sharing in an Islanded Microgrid without Synchronous Generators. , 2019, , .		2
156	Optimal Energy Scheduling of Residential Building with Battery Cost. , 2019, , .		2
157	Robust Feedback Linearizing Controller Design for DC Microgrid Connected DC-DC Converter. , 2021, , .		2
158	Voltage-Violation Mitigation in Power System Networks With Photo-Voltaic Penetration. , 2020, , .		2
159	Switching Frequency Sensitivity Analysis of DC Microgrid Connected Distributed Generation Based on Dynamic Phasor Model. , 2021, , .		2
160	Nonlinear Controller Design to Enhance Voltage Restoration and Current Sharing Accuracy of Islanded DC Microgrids. IEEE Systems Journal, 2022, 16, 3215-3225.	2.9	2
161	An Autonomous Recovery System for a Rotorcraft UAV Operating in rough Seas. , 2010, , .		1
162	A double velocity feedback controller design for high speed atomic force microscopy. , 2013, , .		1

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163	Robust nonlinear state feedback controller design for synchronous machines. , 2014, , .		1
164	Two-tier prediction of solar power generation with limited sensing resource. , 2016, , .		1
165	Error compensation in atomic force microscope scanned images. Micro and Nano Letters, 2016, 11, 38-40.	0.6	1
166	A Novel Performance Enhancement Scheme for Doubly-Fed Induction Generator-Based Wind Power Systems under Voltage Sags and Swells. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	1
167	Bounded phase synchronization of multirate kuramoto networks through decentralised or distributed control. , 2017, , .		1
168	Distributed control network design for multirate kuramoto networks to achieve bounded synchronization. , 2017, , .		1
169	Modeling and Simulation of Inverter based Distributed Generators for Renewable Energy Integration. IFAC-PapersOnLine, 2019, 52, 30-35.	0.5	1
170	Modelling and Experimental Validation of Piezoelectrically Driven Micro-Lens Actuator. , 2021, , .		1
171	Forecasting very short-term wind power generation using deep learning, optimization and data decomposition techniques. , 2021, , .		1
172	Coordinated Secondary Voltage Control in Distribution Networks With High PV Penetration. , 2021, , .		1
173	Optimal Coordination of Photovoltaics and Electric Vehicles for Ancillary Services in Low Voltage Distribution Networks. , 2021, , .		1
174	Adaptive Finite-Time Sliding Mode Backstepping Controller for Double-Integrator Systems with Mismatched Uncertainties and External Disturbances. Discrete Dynamics in Nature and Society, 2022, 2022, 1-10.	0.5	1
175	A MIMO controller design for damping, tracking, and cross coupling reduction of nanopositioners. , 2013, , .		0
176	Practical stability assessement of distributed synchronous generators under load variations. , 2013, , .		0
177	A new robust damping and tracking controller for high speed nanopositioning. , 2013, , .		0
178	A Flight Control Scheme to Improve Position Tracking Performance of Rotary-wing UASs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-8.	0.4	0
179	Interactions of PV Units in Distribution Networks. Power Systems, 2014, , 249-272.	0.3	0
180	Investigating the Controller Interactions of Distribution Systems with Distributed Generation. IFAC-PapersOnLine, 2015, 48, 19-24.	0.5	0

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181	Resonant modes analysis in power systems algorithms and Matlab GUI. , 2016, , .		0
182	Design of Droop-based Control for Power Management in Islanded RL-type Microgrids. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	0
183	Comparative Analysis of Energy Management for Community Microgrids. , 2019, , .		0
184	Control for Fault Ride-Through Capability Augmentation. Power Systems, 2014, , 153-218.	0.3	0
185	Dynamic Voltage Instability Analysis with Wind Generators and FACTS Devices. Power Systems, 2014, , 83-101.	0.3	0
186	Control for Dynamic Transfer Capability Enhancement. Power Systems, 2014, , 125-151.	0.3	0
187	LVRT Capability of DFIGs in Interconnected Power Systems. Power Systems, 2014, , 219-247.	0.3	0
188	Control for Voltage Stability with Dynamic Loads. Power Systems, 2014, , 103-123.	0.3	0
189	Advanced Vibration Control of Atomic Force Microscope Scanner. Advances in Computational Intelligence and Robotics Book Series, 2015, , 84-106.	0.4	0
190	Transformer-less Common-Ground Inverter With Reduced Components. , 2020, , .		0
191	Nonlinear Partial Feedback Linearized Controller Design for Islanded AC Microgrid Connected Distributed Generations. , 2021, , .		0