Hany M Hasanien

List of Publications by Year in Descending Order

169 papers	4,397 citations	40 h-index	60 g-index
187 ext. papers	6,125 ext. citations	4.5 avg, IF	7.17 L-index

#	Paper	IF	Citations
169	Transient stability improvement of wave energy conversion systems connected to power grid using anti-windup-coot optimization strategy. *Energy*, **2022**, 245, 123321	7.9	2
168	Accurate Photovoltaic Models Based on an Adaptive Opposition Artificial Hummingbird Algorithm. *Electronics (Switzerland)*, **2022**, 11, 318	2.6	5
167	Coot Bird Algorithms-Based Tuning PI Controller for Optimal Microgrid Autonomous Operation. *IEEE Access*, **2022**, 10, 6442-6458	3.5	2
166	A mixed-integer-linear-logical programming interval-based model for optimal scheduling of isolated microgrids with green hydrogen-based storage considering demand response. *Journal of Energy Storage*, **2022**, 48, 104028	7.8	7
165	Thermal model of supercapacitors operating in constant power applications: New mathematical expressions for precise calculation of temperature change. *Journal of Energy Storage*, **2022**, 49, 104121	7.8	3
164	A Robust Fractional-Order PID Controller Based Load Frequency Control Using Modified Hunger Games Search Optimizer. *Energies*, **2022**, 15, 361	3.1	2
163	BONMIN solver-based coordination of distributed FACTS compensators and distributed generation units in modern distribution networks. *Ain Shams Engineering Journal*, **2022**, 13, 101664	4.4	5
162	Stability Enhancement of Wind Energy Conversion Systems Based on Optimal Superconducting Magnetic Energy Storage Systems Using the Archimedes Optimization Algorithm. *Processes*, **2022**, 10, 366	2.9	0
161	Uncertainty-aware day-ahead scheduling of microgrids considering response fatigue: An IGDT approach. *Applied Energy*, **2022**, 310, 118611	10.7	0
160	Manta Ray Foraging Optimization for the Virtual Inertia Control of Islanded Microgrids Including Renewable Energy Sources. *Sustainability*, **2022**, 14, 4189	3.6	1
159	Precise modeling of PEM fuel cell using a novel Enhanced Transient Search Optimization algorithm. *Energy*, **2022**, 247, 123530	7.9	2
158	Enhanced block-sparse adaptive Bayesian algorithm based control strategy of superconducting magnetic energy storage units for wind farms power ripple minimization. *Journal of Energy Storage*, **2022**, 50, 104208	7.8	0
157	An improved heap optimization algorithm for efficient energy management based optimal power flow model. *Energy*, **2022**, 250, 123795	7.9	4
156	A PEMFC model optimization using the enhanced bald eagle algorithm. *Ain Shams Engineering Journal*, **2022**, 13, 101749	4.4	3
155	Nonlinear Modeling and Real-Time Simulation of a Grid-Connected AWS Wave Energy Conversion System. *IEEE Transactions on Sustainable Energy*, **2022**, 1-1	8.2	0
154	Circle Search Algorithm: A Geometry-Based Metaheuristic Optimization Algorithm. *Mathematics*, **2022**, 10, 1626	2.3	4
153	A stochastic-interval model for optimal scheduling of PV-assisted multi-mode charging stations. *Energy*, **2022**, 124219	7.9	2

152	Accurate Three-Diode model estimation of Photovoltaic modules using a novel circle search algorithm. *Ain Shams Engineering Journal*, **2022**, 101824	4.4	0
151	Enhancement of frequency stability of power systems integrated with wind energy using marine predator algorithm based PIDA controlled STATCOM. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 5851-5851	6.1	1
150	Robust Model Predictive Control Paradigm for Automatic Voltage Regulators against Uncertainty Based on Optimization Algorithms. *Mathematics*, **2021**, 9, 2885	2.3	13
149	Rooftop Solar PV Penetration Impacts on Distribution Network and Further Growth Factors A Comprehensive Review. *Electronics (Switzerland)*, **2021**, 10, 55	2.6	18
148	OPF of Modern Power Systems Comprising Renewable Energy Sources Using Improved CHGS Optimization Algorithm. *Energies*, **2021**, 14, 6962	3.1	3
147	DC Nanogrids for Integration of Demand Response and Electric Vehicle Charging Infrastructures: Appraisal, Optimal Scheduling and Analysis. *Electronics (Switzerland)*, **2021**, 10, 2484	2.6	8
146	Optimal PID Controllers for AVR System Considering Excitation Voltage Limitations Using Hybrid Equilibrium Optimizer. *Machines*, **2021**, 9, 265	2.9	2
145	Optimal Dispatch Strategy of Virtual Power Plant for Day-Ahead Market Framework. *Applied Sciences (Switzerland)*, **2021**, 11, 3814	2.6	8
144	Equilibrium optimizer for parameter extraction of a fuel cell dynamic model. *Renewable Energy*, **2021**, 169, 117-128	8.1	15
143	Proton Exchange Membrane Fuel Cell Steady State Modeling Using Marine Predator Algorithm Optimizer. *Ain Shams Engineering Journal*, **2021**,	4.4	6
142	Enhancing rotor angle stability of power systems using marine predator algorithm based cascaded PID control. *Ain Shams Engineering Journal*, **2021**, 12, 1849-1857	4.4	5
141	Sunflower optimization algorithm-based optimal PI control for enhancing the performance of an autonomous operation of a microgrid. *Ain Shams Engineering Journal*, **2021**, 12, 1883-1893	4.4	13
140	AC&DC optimal power flow incorporating centralized/decentralized multi-region grid control employing the whale algorithm. *Ain Shams Engineering Journal*, **2021**, 12, 1907-1922	4.4	6
139	Precise modeling of PEM fuel cell using improved chaotic MayFly optimization algorithm. *International Journal of Energy Research*, **2021**, 45, 18754	4.5	12
138	Hierarchical Model Predictive Control for Performance Enhancement of Autonomous Microgrids. *Ain Shams Engineering Journal*, **2021**, 12, 1867-1881	4.4	4
137	A novel distributed generation planning algorithm via graphically-based network reconfiguration and soft open points placement using Archimedes optimization algorithm. *Ain Shams Engineering Journal*, **2021**, 12, 1923-1941	4.4	20
136	Marine predators algorithm for load frequency control of modern interconnected power systems including renewable energy sources and energy storage units. *Ain Shams Engineering Journal*, **2021**, 12, 3843-3843	4.4	23
135	Archimedes optimization algorithm based maximum power point tracker for wind energy generation system. *Ain Shams Engineering Journal*, **2021**,	4.4	11

134	Cost Minimizations and Performance Enhancements of Power Systems Using Spherical Prune Differential Evolution Algorithm Including Modal Analysis. *Sustainability*, **2021**, 13, 8113	3.6	3
133	Optimal design of automatic voltage regulation controller using hybrid simulated annealing Manta ray foraging optimization algorithm. *Ain Shams Engineering Journal*, **2021**, 12, 641-657	4.4	30
132	A novel hybrid GWO-PSO optimization technique for optimal reactive power dispatch problem solution. *Ain Shams Engineering Journal*, **2021**, 12, 621-630	4.4	39
131	Elephant herding algorithm-based optimal PI controller for LVRT enhancement of wind energy conversion systems. *Ain Shams Engineering Journal*, **2021**, 12, 599-608	4.4	8
130	Parameters identification of solid oxide fuel cell for static and dynamic simulation using comprehensive learning dynamic multi-swarm marine predators algorithm. *Energy Conversion and Management*, **2021**, 228, 113692	10.6	17
129	A novel LMSRE-based adaptive PI control scheme for grid-integrated PMSG-based variable-speed wind turbine. *International Journal of Electrical Power and Energy Systems*, **2021**, 125, 106505	5.1	20
128	Artificial electric field algorithm to extract nine parameters of triple-diode photovoltaic model. *International Journal of Energy Research*, **2021**, 45, 590-604	4.5	26
127	Hybrid CSA-GWO Algorithm-Based Optimal Control Strategy for Efficient Operation of Variable-Speed Wind Generators. *Green Energy and Technology*, **2021**, 227-245	0.6	0
126	. *IEEE Access*, **2021**, 1-1	3.5	5
125	Categorisation of power quality problems using long short-term memory networks. *IET Generation, Transmission and Distribution*, **2021**, 15, 1626-1639	2.5	5
124	Proton Exchange Membrane Fuel Cells Modeling Using Chaos Game Optimization Technique. *Sustainability*, **2021**, 13, 7911	3.6	8
123	Parameter Identification of Proton Exchange Membrane Fuel Cell Based on Hunger Games Search Algorithm. *Energies*, **2021**, 14, 5022	3.1	11
122	Economical-technical-environmental operation of power networks with wind-solar-hydropower generation using analytic hierarchy process and improved grey wolf algorithm. *Ain Shams Engineering Journal*, **2021**, 12, 2717-2734	4.4	23
121	Towards accurate calculation of supercapacitor electrical variables in constant power applications using new analytical closed-form expressions. *Journal of Energy Storage*, **2021**, 42, 102998	7.8	12
120	Optimal Fuzzy PIDF Load Frequency Controller for Hybrid Microgrid System Using Marine Predator Algorithm. *IEEE Access*, **2021**, 9, 54220-54232	3.5	15
119	Electrical Parameters Identification of Three-Diode Photovoltaic Model Based on Equilibrium Optimizer Algorithm. *IEEE Access*, **2021**, 9, 41891-41901	3.5	10
118	Two Novel Approaches for Identification of Synchronous Machine Parameters from Short-Circuit Current Waveform. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	5
117	Solving of Optimal Power Flow Problem Including Renewable Energy Resources Using HEAP Optimization Algorithm. *IEEE Access*, **2021**, 9, 35846-35863	3.5	9

116	A Vector Controlled Drive System for Electrically Power Assisted Steering Using Hall-Effect Sensors. *IEEE Access*, **2021**, 9, 116485-116499	3.5	2
115	Multi-Regional Optimal Power Flow Using Marine Predators Algorithm Considering Load and Generation Variability. *IEEE Access*, **2021**, 9, 74600-74613	3.5	7
114	Mann-Iteration Process for Power Flow Calculation of Large-Scale Ill-Conditioned Systems: Theoretical Analysis and Numerical Results. *IEEE Access*, **2021**, 9, 132255-132266	3.5	1
113	A Novel Application of Improved Marine Predators Algorithm and Particle Swarm Optimization for Solving the ORPD Problem. *Energies*, **2020**, 13, 5679	3.1	17
112	A Novel Adaptive Control Method for Performance Enhancement of Grid-Connected Variable-Speed Wind Generators. *IEEE Access*, **2020**, 8, 82617-82629	3.5	15
111	Transient search optimization for electrical parameters estimation of photovoltaic module based on datasheet values. *Energy Conversion and Management*, **2020**, 214, 112904	10.6	44
110	Hybrid cuckoo search algorithm and grey wolf optimiser-based optimal control strategy for performance enhancement of HVDC-based offshore wind farms. *IET Generation, Transmission and Distribution*, **2020**, 14, 1902-1911	2.5	23
109	Salp swarm algorithm-based optimal control scheme for LVRT capability improvement of grid-connected photovoltaic power plants: design and experimental validation. *IET Renewable Power Generation*, **2020**, 14, 591-599	2.9	23
108	Transient search optimization: a new meta-heuristic optimization algorithm. *Applied Intelligence*, **2020**, 50, 3926-3941	4.9	40
107	Parameters extraction of PEMFCs model using manta rays foraging optimizer. *International Journal of Energy Research*, **2020**, 44, 4629-4640	4.5	55
106	Parameter Estimation of Three Diode Photovoltaic Model Using Grasshopper Optimization Algorithm. *Energies*, **2020**, 13, 497	3.1	47
105	Salp swarm algorithm-based TS-FLCs for MPPT and fault ride-through capability enhancement of wind generators. *ISA Transactions*, **2020**, 101, 211-224	5.5	29
104	Grasshopper Optimization Algorithm-Based PI Controller Scheme for Performance Enhancement of a Grid-Connected Wind Generator. *Journal of Control, Automation and Electrical Systems*, **2020**, 31, 393-401	1.5	4
103	Optimal Power Flow of Power Networks with Penetration of Renewable Energy Sources By Harris hawks Optimization Method **2020**,		4
102	Identifying Optimal Parameters of Proton Exchange Membrane Fuel Cell Using Water Cycle Algorithm **2020**,		2
101	Cuttlefish Optimization Algorithm based Optimal PI Controller for Performance Enhancement of an Autonomous Operation of a DG System **2020**,		4
100	Rider Optimization Algorithm for Optimal DG Allocation in Radial Distribution Network **2020**,		4
99	High Performance Frequency Converter Controlled Variable-Speed Wind Generator Using Linear-Quadratic Regulator Controller. *IEEE Transactions on Industry Applications*, **2020**, 56, 5489-5498	4.3	10

98	Optimal Values of Unknown Parameters of Polymer Electrolyte Membrane Fuel Cells Using Improved Chaotic Electromagnetic Field Optimization **2020**,		2
97	Whale optimization algorithm-based Sugeno fuzzy logic controller for fault ride-through improvement of grid-connected variable speed wind generators. *Engineering Applications of Artificial Intelligence*, **2020**, 87, 103328	7.2	29
96	Enhanced whale optimization algorithm for maximum power point tracking of variable-speed wind generators. *Applied Soft Computing Journal*, **2020**, 86, 105937	7.5	38
95	Competition over resources optimized fuzzy TIDF controller for frequency stabilization of hybrid micro-grid system. *International Transactions on Electrical Energy Systems*, **2020**, 30, e12513	2.2	7
94	Parameters extraction of three-diode photovoltaic model using computation and Harris Hawks optimization. *Energy*, **2020**, 195, 117040	7.9	85
93	Optimal Transient Search Algorithm-Based PI Controllers for Enhancing Low Voltage Ride-Through Ability of Grid-Linked PMSG-Based Wind Turbine. *Electronics (Switzerland)*, **2020**, 9, 1807	2.6	10
92	Marine Predators Algorithm for Parameters Identification of Triple-Diode Photovoltaic Models. *IEEE Access*, **2020**, 8, 155832-155842	3.5	50
91	Dynamic Stability Improvement of AWS-Based Wave Energy Systems Using a Multiobjective Salp Swarm Algorithm-Based Optimal Control Scheme. *IEEE Systems Journal*, **2020**, 1-9	4.3	3
90	Salp swarm optimizer to solve optimal power flow comprising voltage stability analysis. *Neural Computing and Applications*, **2020**, 32, 5267-5283	4.8	47
89	Output power smoothing of wind power plants using self-tuned controlled SMES units. *Electric Power Systems Research*, **2020**, 178, 106056	3.5	20
88	Optimum design of hybrid wind/PV energy system for remote area. *Ain Shams Engineering Journal*, **2020**, 11, 11-23	4.4	42
87	Coyote optimization algorithm for parameters extraction of three-diode photovoltaic models of photovoltaic modules. *Energy*, **2019**, 187, 116001	7.9	85
86	Effective methodology based on neural network optimizer for extracting model parameters of PEM fuel cells. *International Journal of Energy Research*, **2019**, 43, 8136-8147	4.5	48
85	Identification of electrical parameters for three-diode photovoltaic model using analytical and sunflower optimization algorithm. *Applied Energy*, **2019**, 250, 109-117	10.7	118
84	Enhanced salp swarm algorithm: Application to variable speed wind generators. *Engineering Applications of Artificial Intelligence*, **2019**, 80, 82-96	7.2	96
83	Water cycle algorithm for optimal overcurrent relays coordination in electric power systems. *Soft Computing*, **2019**, 23, 12761-12778	3.5	14
82	Linear-Quadratic Regulator Algorithm-Based Cascaded Control Scheme for Performance Enhancement of a Variable-Speed Wind Energy Conversion System. *Arabian Journal for Science and Engineering*, **2019**, 44, 2281-2293	2.5	14
81	Optimal Power Flow of Power Systems Including Distributed Generation Units Using Sunflower Optimization Algorithm. *IEEE Access*, **2019**, 7, 109289-109300	3.5	37

80	Salp swarm algorithm-based optimal load frequency control of hybrid renewable power systems with communication delay and excitation cross-coupling effect. *Electric Power Systems Research*, **2019**, 176, 105938	3.5	71
79	Semi-empirical PEM fuel cells model using whale optimization algorithm. *Energy Conversion and Management*, **2019**, 201, 112197	10.6	67
78	Harris Hawks Algorithm for Automatic Generation Control of Interconnected Power Systems **2019**,		3
77	Optimal Power Flow of Power Systems Using Hybrid Firefly and Particle Swarm Optimization Technique **2019**,		7
76	Over Frequency Problem Mitigation Using Grasshopper Based PID Auxiliary Governors **2019**,		1
75	Development of Analytical Technique for Optimal DG and Capacitor Allocation in Radial Distribution Systems Considering Load Variation **2019**,		2
74	Output Power Smoothing of Grid-Tied PMSG-Based Variable Speed Wind Turbine Using Optimal Controlled SMES **2019**,		5
73	Symbiotic organisms search algorithm-based optimal control strategy for efficient operation of variable-speed wind generators. *IET Renewable Power Generation*, **2019**, 13, 2684-2692	2.9	9
72	Photovoltaic Array Reconfiguration to Reduce Partial Shading Losses using Water Cycle Algorithm **2019**,		3
71	High-Performance Frequency Converter Controlled Variable-Speed Wind Generator Using Linear-Quadratic Regulator Controller **2019**,		2
70	A Novel Hybrid Fuzzy-JAYA Optimization Algorithm for Efficient ORPD Solution. *IEEE Access*, **2019**, 7, 182078-182088	3.5	12
69	An Adaptive Fuzzy Logic Control Strategy for Performance Enhancement of a Grid-Connected PMSG-Based Wind Turbine. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3163-3173	11.9	81
68	Transient Stability Augmentation of a Wave Energy Conversion System Using a Water Cycle Algorithm-Based Multiobjective Optimal Control Strategy. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3411-3419	11.9	31
67	Optimal power flow solution in power systems using a novel Sine-Cosine algorithm. *International Journal of Electrical Power and Energy Systems*, **2018**, 99, 331-343	5.1	171
66	Whale optimisation algorithm for automatic generation control of interconnected modern power systems including renewable energy sources. *IET Generation, Transmission and Distribution*, **2018**, 12, 607-614	2.5	112
65	Tree-seed algorithm for solving optimal power flow problem in large-scale power systems incorporating validations and comparisons. *Applied Soft Computing Journal*, **2018**, 64, 307-316	7.5	60
64	Performance improvement of photovoltaic power systems using an optimal control strategy based on whale optimization algorithm. *Electric Power Systems Research*, **2018**, 157, 168-176	3.5	77
63	Reactive power control of three-phase low voltage system based on voltage to increase PV penetration levels. *Ain Shams Engineering Journal*, **2018**, 9, 1831-1837	4.4	10

62	A cuckoo search algorithm optimizer for steady-state analysis of self-excited induction generator. *Ain Shams Engineering Journal*, **2018**, 9, 2549-2555	4.4	2
61	Hybrid ANFIS-GA-based control scheme for performance enhancement of a grid-connected wind generator. *IET Renewable Power Generation*, **2018**, 12, 832-843	2.9	46
60	Augmented grey wolf optimizer for grid-connected PMSG-based wind energy conversion systems. *Applied Soft Computing Journal*, **2018**, 69, 504-515	7.5	68
59	A Grey Wolf Optimizer for Optimum Parameters of Multiple PI Controllers of a Grid-Connected PMSG Driven by Variable Speed Wind Turbine. *IEEE Access*, **2018**, 6, 44120-44128	3.5	47
58	Parameters estimation of single- and multiple-diode photovoltaic model using whale optimisation algorithm. *IET Renewable Power Generation*, **2018**, 12, 1755-1761	2.9	79
57	Water cycle algorithm-based optimal control strategy for efficient operation of an autonomous microgrid. *IET Generation, Transmission and Distribution*, **2018**, 12, 5739-5746	2.5	28
56	**2018**,		5
55	A Comparative Study among Different Algorithms Investigating Optimum Design of PID Controller in Automatic Voltage Regulator **2018**,		8
54	Gravitational search algorithm-based optimal control of archimedes wave swing-based wave energy conversion system supplying a DC microgrid under uncertain dynamics. *IET Renewable Power Generation*, **2017**, 11, 763-770	2.9	29
53	Symbiotic organisms search algorithm for automatic generation control of interconnected power systems including wind farms. *IET Generation, Transmission and Distribution*, **2017**, 11, 1692-1700	2.5	57
52	Optimized settings of directional overcurrent relays in meshed power networks using stochastic fractal search algorithm. *International Transactions on Electrical Energy Systems*, **2017**, 27, e2395	2.2	22
51	Operation and control of HVDC stations using continuous mixed p-norm-based adaptive fuzzy technique. *IET Generation, Transmission and Distribution*, **2017**, 11, 2275-2282	2.5	16
50	Optimisation of controller parameters for grid-tied photovoltaic system at faulty network using artificial neural network-based cuckoo search algorithm. *IET Renewable Power Generation*, **2017**, 11, 1517-1526	2.9	40
49	Fractional order PI controller based on hill climbing technique for improving MPPT of the BDF-RG driven by wind turbine **2017**,		1
48	Crow search algorithm for improving the performance of an inverter-based distributed generation system **2017**,		6
47	Identification of the photovoltaic model parameters using the crow search algorithm. *Journal of Engineering*, **2017**, 2017, 1570-1575	0.7	14
46	Whale optimisation algorithm for photovoltaic model identification. *Journal of Engineering*, **2017**, 2017, 1906-1911	0.7	24
45	Low voltage ride-through capability enhancement of grid-connected permanent magnet synchronous generator driven directly by variable speed wind turbine: a review. *Journal of Engineering*, **2017**, 2017, 1750-1754	0.7	17

44	Output power smoothing of grid-connected permanent-magnet synchronous generator driven directly by variable speed wind turbine: a review. *Journal of Engineering*, **2017**, 2017, 1755-1759	0.7	10
43	Short term load forecasting using ANN technique **2017**,		6
42	Three-dimension core loss analysis of transverse flux linear motor based on the improved Steinmetz equation **2017**,		1
41	An Adaptive Control Strategy for Low Voltage Ride Through Capability Enhancement of Grid-Connected Photovoltaic Power Plants. *IEEE Transactions on Power Systems*, **2016**, 31, 3230-3237	7	101
40	Shuffled Frog Leaping Algorithm for Multi-objective Design Optimization of Transverse Flux Linear Motor. *Electric Power Components and Systems*, **2016**, 44, 1307-1315	1	5
39	RTDS implementation of an improved sliding mode based inverter controller for PV system. *ISA Transactions*, **2016**, 62, 50-9	5.5	29
38	Performance enhancement of power systems with wave energy using gravitational search algorithm based TCSC devices **2016**, 19, 1661-1667		5
37	Shuffled Frog Leaping Algorithm for Photovoltaic Model Identification. *IEEE Transactions on Sustainable Energy*, **2015**, 6, 509-515	8.2	109
36	Dynamic performance enhancement of a grid-connected wind farm using doubly fed induction machine-based flywheel energy storage system **2015**,		4
35	Particle Swarm Optimization-based Superconducting Magnetic Energy Storage for Low-voltage Ride-through Capability Enhancement in Wind Energy Conversion System. *Electric Power Components and Systems*, **2015**, 43, 1278-1288	1	25
34	Single and Multi-objective Optimal Power Flow Using Grey Wolf Optimizer and Differential Evolution Algorithms. *Electric Power Components and Systems*, **2015**, 43, 1548-1559	1	165
33	An Adaptive-controlled Superconducting Magnetic Energy Storage Unit for Stabilizing a Grid-connected Wind Generator. *Electric Power Components and Systems*, **2015**, 43, 1072-1079	1	13
32	Transient stability enhancement of a grid-connected wind farm using an adaptive neuro-fuzzy controlled-flywheel energy storage system. *IET Renewable Power Generation*, **2015**, 9, 792-800	2.9	44
31	Harmony Search Algorithm-Based Controller Parameters Optimization for a Distributed-Generation System. *IEEE Transactions on Power Delivery*, **2015**, 30, 246-255	4.3	73
30	. *IEEE Transactions on Smart Grid*, **2015**, 6, 158-165	10.7	68
29	Optimal design of cascaded control scheme for PV system using BFO algorithm **2015**,		3
28	Application of an adaptive neuro-fuzzy controller for speed control of switched reluctance generator driven by variable speed wind turbine **2015**,		3
27	Affine projection algorithm based adaptive control scheme for operation of variable-speed wind generator. *IET Generation, Transmission and Distribution*, **2015**, 9, 2611-2616	2.5	39

26	Bacterial Foraging Based Optimal Design of Transverse Flux Linear Motor for Thrust Force Improvement. *Electric Power Components and Systems*, **2015**, 43, 95-104	1	3
25	Transient stability enhancement of wind farms connected to a multi-machine power system by using an adaptive ANN-controlled SMES. *Energy Conversion and Management*, **2014**, 78, 412-420	10.6	63
24	A Set-Membership Affine Projection Algorithm-Based Adaptive-Controlled SMES Units for Wind Farms Output Power Smoothing. *IEEE Transactions on Sustainable Energy*, **2014**, 5, 1226-1233	8.2	74
23	Shuffled frog leaping algorithm-based static synchronous compensator for transient stability improvement of a grid-connected wind farm. *IET Renewable Power Generation*, **2014**, 8, 722-730	2.9	43
22	Design Optimization of PID Controller in Automatic Voltage Regulator System Using Taguchi Combined Genetic Algorithm Method. *IEEE Systems Journal*, **2013**, 7, 825-831	4.3	95
21	A Taguchi Approach for Optimum Design of Proportional-Integral Controllers in Cascaded Control Scheme. *IEEE Transactions on Power Systems*, **2013**, 28, 1636-1644	7	65
20	Application of an Adaptive Artificial Neural Network Controller for Improving the Dynamic Response of Doubly Fed Induction Generators-Based Wind Farm. *Journal of Bioinformatics and Intelligent Control*, **2013**, 2, 83-91		2
19	Speed control of grid-connected switched reluctance generator driven by variable speed wind turbine using adaptive neural network controller. *Electric Power Systems Research*, **2012**, 84, 206-213	3.5	56
18	Design Optimization of Controller Parameters Used in Variable Speed Wind Energy Conversion System by Genetic Algorithms. *IEEE Transactions on Sustainable Energy*, **2012**, 3, 200-208	8.2	104
17	Reduction of frequency fluctuation for wind farm connected power systems by an adaptive artificial neural network controlled energy capacitor system. *IET Renewable Power Generation*, **2012**, 6, 226	2.9	50
16	Grid Connection Scheme of a Variable Speed Wind Turbine Driven Switched Reluctance Generator. *Green Energy and Technology*, **2012**, 131-153	0.6	
15	Reconstruction of the Switched Reluctance Motor Stator. *Journal of Electrical Engineering*, **2012**, 63, 3-12	0.6	4
14	A new control strategy for smoothing of wind farm output using short-term ahead wind speed prediction and Flywheel energy storage system **2012**,		14
13	Dynamic response improvement of doubly fed induction generator-based wind farm using fuzzy logic controller. *Journal of Electrical Engineering*, **2012**, 63, 281-288	0.6	6
12	Particle Swarm Design Optimization of Transverse Flux Linear Motor for Weight Reduction and Improvement of Thrust Force. *IEEE Transactions on Industrial Electronics*, **2011**, 58, 4048-4056	8.9	100
11	FPGA implementation of adaptive ANN controller for speed regulation of permanent magnet stepper motor drives. *Energy Conversion and Management*, **2011**, 52, 1252-1257	10.6	39
10	Speed Control of Switched Reluctance Motor Using Artificial Neural Network Controller. *Communications in Computer and Information Science*, **2011**, 6-14	0.3	8
9	Design Optimization of Transverse Flux Linear Motor for Weight Reduction and Performance Improvement Using Response Surface Methodology and Genetic Algorithms. *IEEE Transactions on Energy Conversion*, **2010**, 25, 598-605	5.4	130

8	Torque ripple minimization of permanent magnet synchronous motor using digital observer controller. *Energy Conversion and Management*, **2010**, 51, 98-104	10.6	26
7	Torque ripple minimization of axial laminations switched reluctance motor provided with digital lead controller. *Energy Conversion and Management*, **2010**, 51, 2402-2406	10.6	16
6	Speed control of permanent magnet excitation transverse flux linear motor by using adaptive neuro-fuzzy controller. *Energy Conversion and Management*, **2010**, 51, 2762-2768	10.6	12
5	Speed control of permanent magnet synchronous motor using digital pole placement controller **2009**,		1
4	Frequency control of isolated network with wind and diesel generators by using fuzzy logic controller **2009**,		6
3	Speed control of permanent magnet synchronous motor using fuzzy logic controller **2009**,		3
2	Solving realistic large-scale ill-conditioned power flow cases based on combination of numerical solvers. *International Transactions on Electrical Energy Systems*,e13194	2.2	
1	Optimal distributed generation and battery energy storage units integration in distribution systems considering power generation uncertainty. *IET Generation, Transmission and Distribution*,	2.5	3