Krishnanand Kr

List of Publications by Year
in descending order

44 papers	692 citations	949033 11 h-index	843174 20 g-index
47 all docs	47 docs citations	47 times ranked	808 citing authors

#	Article	IF	Citations
1	Transactive Energy Market Framework for Decentralized Coordination of Demand Side Management Within a Cluster of Buildings. IEEE Transactions on Industry Applications, 2021, 57, 3385-3395.	3.3	20
2	Context-Aware Plug-Load Identification Toward Enhanced Energy Efficiency in the Built Environment. IEEE Transactions on Industry Applications, 2020, 56, 6781-6791.	3.3	5
3	Reinforcement Learning Based Energy Management Algorithm for Energy Trading and Contingency Reserve Application in a Microgrid. , 2020, , .		5
4	Fast Power-Flow Solutions for Future Distribution Grids. , 2020, , .		0
5	Demonstration of Transactive Control of Commercial Buildings as Energy Nodes. , 2020, , .		5
6	GIS Integrated Automation of a Near Real-Time Power-Flow Service for Electrical Grids. IEEE Transactions on Industry Applications, 2018, 54, 5661-5670.	3.3	8
7	GIS integrated automation of a near real-time power-flow service for electrical grids. , 2016, , .		3
8	Electrical submetering with repurposable applications for the built environment. , 2016, , .		6
9	Harmonic load modeling for smart microgrids. , 2015, , .		1
10	Outlier detection and data filtering for wireless sensor and actuator networks in building environment. , 2015, , .		3
11	Selective harmonic optimization for flexible single-phase operation of Cascaded H-bridge multilevel inverters. , 2015, , .		0
12	A hybrid multi-objective improved bacteria foraging algorithm for economic load dispatch considering emission. International Journal of Computational Science and Engineering, 2015, 11, 114.	0.4	6
13	Detection, classification, and location of faults in power transmission lines. International Journal of Electrical Power and Energy Systems, 2015, 67, 76-86.	3.3	56
14	Optimal appliance scheduling in building operating systems for cost-effective energy management. , 2014, , .		4
15	Neutral current mitigation using controlled electric springs connected to microgrids within built environment. , 2014, , .		21
16	Load-side demand management in buildings using controlled electric springs. , 2014, , .		26
17	Dynamic economic dispatch using Lbest-PSO with dynamically varying sub-swarms. Memetic Computing, 2014, 6, 85-95.	2.7	14
18	A New Real-Time Fast Discrete S-Transform for Cross-Differential Protection of Shunt-Compensated Power Systems. IEEE Transactions on Power Delivery, 2013, 28, 402-410.	2.9	90

#	ARTICLE	IF	CITATIONS
19	Adaptive differential evolution algorithm for solving non–linear coordination problem of directional overcurrent relays. IET Generation, Transmission and Distribution, 2013, 7, 329-336.	1.4	86
20	Dynamic phasor and frequency estimation of time-varying power system signals. International Journal of Electrical Power and Energy Systems, 2013, 44, 971-980.	3.3	32
21	Optimal Power Flow Solution Using Self–Evolving Brain–Storming Inclusive Teaching–Learning–Based Algorithm. Lecture Notes in Computer Science, 2013, , 338-345.	1.0	23
22	Smart-metering for monitoring building power distribution network using instantaneous phasor computations of electrical signals. , 2013, , .		9
23	Robust Protective Relay Setting and Coordination Using Modified Differential Evolution Considering Different Network Topologies. Lecture Notes in Computer Science, 2013, , 107-118.	1.0	0
24	Solution to dynamic economic dispatch problem using modified invasive weed optimisation with dual mutation strategy. International Journal of Swarm Intelligence, 2013, 1, 70.	0.2	2
25	A new fast discrete S-transform for power quality disturbance monitoring. Australian Journal of Electrical and Electronics Engineering, 2013, 10, .	0.7	0
26	Fault trajectories and location estimations for distance protection using two new simplified phasor analysers. Australian Journal of Electrical and Electronics Engineering, 2013, 10, .	0.7	0
27	Optimal short-term hydrothermal generation scheduling using modified seeker optimisation algorithm. International Journal of Modelling, Identification and Control, 2012, 15, 250.	0.2	6
28	A Fast Gauss-Newton Algorithm for Islanding Detection in Distributed Generation. IEEE Transactions on Smart Grid, 2012, 3, 1181-1191.	6.2	36
29	Estimation of time-varying power quality indices using a computationally efficient algorithm. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1436-1454.	2.5	4
30	Economic load dispatch using hybridized Differential Evolution and invasive weed operation. , 2011, , .		4
31	A solution to economic load dispatch problem with non-smooth cost function using Self-Realized Differential Evolution optimization algorithm. , 2011, , .		5
32	Modified invasive weed optimization with dual mutation technique for dynamic economic dispatch. , 2011, , .		11
33	Optimal coordination of overcurrent relay using an enhanced discrete differential evolution algorithm in a distribution system with DG. , 2011, , .		8
34	S-transform based spectral energy feature space for fault location approximation. , 2011, , .		5
35	Optimal reactive power dispatch based on Adaptive Invasive Weed Optimization algorithm. , 2011, , .		13
36	Modified differential evolution optimization algorithm for multi-constraint optimal power flow. , 2011, , .		14

#	Article	IF	Citations
37	Fast recursive Gauss–Newton adaptive filter for the estimation of power system frequency and harmonics in a noisy environment. IET Generation, Transmission and Distribution, 2011, 5, 1277.	1.4	31
38	Short-term hydro thermal generation scheduling using modified invasive weed optimisation algorithm. International Journal of Power and Energy Conversion, 2011, 2, 307.	0.2	1
39	Application of Multi-Objective Teaching-Learning-Based Algorithm to an Economic Load Dispatch Problem with Incommensurable Objectives. Lecture Notes in Computer Science, 2011, , 697-705.	1.0	30
40	Enhanced Discrete Differential Evolution to Determine Optimal Coordination of Directional Overcurrent Relays in a Power System. Lecture Notes in Computer Science, 2011, , 85-93.	1.0	0
41	Solution to Non-convex Electric Power Dispatch Problem Using Seeker Optimization Algorithm. Lecture Notes in Computer Science, 2010, , 537-544.	1.0	4
42	Comparative study of five bio-inspired evolutionary optimization techniques. , 2009, , .		39
43	Application of Artificial Bee Colony to economic load dispatch problem with ramp rate limits and prohibited operating zones. , 2009, , .		29
44	Classification of Power Quality Disturbances Using GA Based Optimal Feature Selection. Lecture Notes in Computer Science, 2009, , 561-566.	1.0	1