

# Mostafa Sedighizadeh

## List of Publications by Year in descending order

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69  
papers

1,714  
citations

279778

23  
h-index

302107

39  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1307  
citing authors

#	ARTICLE	IF	CITATIONS
1	An IGDT/Scenario based stochastic model for an energy hub considering hydrogen energy and electric vehicles: A case study of Qeshm Island, Iran. International Journal of Electrical Power and Energy Systems, 2022, 135, 107477.	5.5	24
2	A novel strategy for fault location in shunt-compensated double circuit transmission lines equipped by wind farms based on long short-term memory. Cleaner Engineering and Technology, 2022, 6, 100406.	4.0	3
3	Robust stochastic optimal operation of an industrial building including plug in electric vehicle, solar-powered compressed air energy storage and ice storage conditioner: A case study in the city of Kaveh, Iran. IET Smart Cities, 2022, 4, 56-77.	3.1	8
4	A Moving Window Numerical Distance Protection Based on Flat-Top Signal Windowing. Arabian Journal for Science and Engineering, 2022, 47, 14249-14266.	3.0	3
5	Stochastic peer to peer energy trading among charging station of electric vehicles based on blockchain mechanism. IET Smart Cities, 2022, 4, 110-126.	3.1	5
6	An intelligent adaptive control of DC-DC power buck converters. International Journal of Electrical Power and Energy Systems, 2022, 141, 108099.	5.5	19
7	Spinning reserve stochastic model of compressed air energy storage in day-ahead joint energy and reserve market using information gap decision theory method. International Journal of Electrical Power and Energy Systems, 2022, 141, 108123.	5.5	9
8	Comparison of different controllers for wireless charging system in AUVs. , 2022, , .		2
9	Robust control of DC-DC converter supplying constant power load with Finite-Set Model Predictive Control. , 2022, , .		3
10	Economic-environmental operation of an unbalanced microgrid including energy storage systems via semidefinite relaxation. Renewable Energy Focus, 2022, , .	4.5	0
11	Intelligent voltage and frequency control of islanded micro-grids based on power fluctuations and communication system uncertainty. International Journal of Electrical Power and Energy Systems, 2022, 143, 108383.	5.5	4
12	Robust electrical reserve and energy scheduling of power system considering hydro pumped storage units and renewable energy resources. Journal of Energy Storage, 2022, 54, 105310.	8.1	11
13	Optimal Operation of Unbalanced Microgrid Utilizing Copula-Based Stochastic Simultaneous Unit Commitment and Distribution Feeder Reconfiguration Approach. Arabian Journal for Science and Engineering, 2021, 46, 1287-1311.	3.0	7
14	GEPSO: A new generalized particle swarm optimization algorithm. Mathematics and Computers in Simulation, 2021, 179, 194-212.	4.4	64
15	Stochastic optimal operation of a microgrid based on energy hub including a solar-powered compressed air energy storage system and an ice storage conditioner. Journal of Energy Storage, 2021, 33, 102089.	8.1	38
16	Reliability assessment of RTV and nano-RTV-coated insulators concerning contamination severity. Electric Power Systems Research, 2021, 191, 106892.	3.6	18
17	A hybrid approach based on IGDT-MOCMA method for optimal operation of smart distribution network under severe uncertainties. International Journal of Energy Research, 2021, 45, 9463-9491.	4.5	3
18	System Identification and Control Design of a Wireless Charging Transfer System with Double-Sided LCC Converter. Arabian Journal for Science and Engineering, 2021, 46, 9735-9751.	3.0	6

#	ARTICLE	IF	CITATIONS
19	A fault location algorithm for parallel line based on the long short-term memory model using the distributed parameter line model. International Transactions on Electrical Energy Systems, 2021, 31, e13032.	1.9	3
20	A two-stage stochastic model based on information gap decision theory method for optimal allocation of intelligent parking lots in distribution systems considering severe uncertainties. International Transactions on Electrical Energy Systems, 2021, 31, e13067.	1.9	1
21	A risk-averse decision based on IGDT/stochastic approach for smart distribution network operation under extreme uncertainties. Applied Soft Computing Journal, 2021, 107, 107395.	7.2	13
22	A two-stage IGDT/TPM model for optimal operation of a smart building: A case study of Gheshm Island, Iran. Thermal Science and Engineering Progress, 2021, 24, 100955.	2.7	6
23	A RA-IGDT model for stochastic optimal operation of a microgrid based on energy hub including cooling and thermal energy storages. International Journal of Electrical Power and Energy Systems, 2021, 131, 107092.	5.5	22
24	Optimal operation of the coastal energy hub considering seawater desalination and compressed air energy storage system. Thermal Science and Engineering Progress, 2021, 25, 101020.	2.7	10
25	A moving window average method for internal fault detection of power transformers. Cleaner Engineering and Technology, 2021, 4, 100195.	4.0	4
26	Reliability and reserve in day ahead joint energy and reserve market stochastic scheduling in presence of compressed air energy storage. Journal of Energy Storage, 2021, 43, 103194.	8.1	6
27	Semidefinite programing as a tool for economic-environmental operation of a microgrid including compressed air energy storage and electric vehicle. Journal of Energy Storage, 2021, 43, 103215.	8.1	5
28	Two-stage stochastic operation considering day-ahead and real-time scheduling of microgrids with high renewable energy sources and electric vehicles based on multi-layer energy management system. Electric Power Systems Research, 2021, 201, 107527.	3.6	34
29	An overview of the assessment metrics of the concept of resilience in electrical grids. International Transactions on Electrical Energy Systems, 2021, 31, e13159.	1.9	7
30	Artificial neural network based method for temperature correction in FDS measurement of transformer insulation. Journal Physics D: Applied Physics, 2020, 53, 145103.	2.8	5
31	ANN based temperature compensation for variations in polarization and depolarization current measurements in transformer. Thermal Science and Engineering Progress, 2020, 20, 100671.	2.7	7
32	Integration of wind generation uncertainties into frequency dynamic constrained unit commitment considering reserve and plug in electric vehicles. Journal of Cleaner Production, 2020, 276, 124272.	9.3	22
33	Thermal stability of nano RTV vs. RTV coatings in porcelain insulators. Thermal Science and Engineering Progress, 2020, 20, 100696.	2.7	5
34	Multi-objective day-ahead energy management of a microgrid considering responsive loads and uncertainty of the electric vehicles. Journal of Cleaner Production, 2020, 267, 121562.	9.3	41
35	Optimal generation scheduling in microgrids using mixed-integer second-order cone programming. Engineering Optimization, 2020, 52, 2164-2192.	2.6	9
36	A new optimal operation framework for balanced microgrids considering reconfiguration and generation scheduling simultaneously. International Transactions on Electrical Energy Systems, 2020, 30, e12302.	1.9	9

#	ARTICLE	IF	CITATIONS
37	Optimal allocation of passive filters and inverter based DGs joint with optimal feeder reconfiguration to improve power quality in a harmonic polluted microgrid. Renewable Energy Focus, 2020, 32, 63-78.	4.5	10
38	Optimal simultaneous allocation of passive filters and distributed generations as well as feeder reconfiguration to improve power quality and reliability in microgrids. Journal of Cleaner Production, 2020, 265, 121629.	9.3	19
39	Day-ahead energy management and feeder reconfiguration for microgrids with CCHP and energy storage systems. Journal of Energy Storage, 2020, 29, 101301.	8.1	42
40	Detection of power swing and prevention of mal-operation of distance relay using compressed sensing theory. IET Generation, Transmission and Distribution, 2020, 14, 5558-5570.	2.5	17
41	Enhancing FRT performance and smoothing output power of DFIG wind farm equipped by SFCL and SMES in a fuzzy framework. Engineering Science and Technology, an International Journal, 2019, 22, 801-810.	3.2	13
42	Optimal energy and reserve scheduling for power systems considering frequency dynamics, energy storage systems and wind turbines. Journal of Cleaner Production, 2019, 228, 341-358.	9.3	26
43	Optimal joint energy and reserve scheduling considering frequency dynamics, compressed air energy storage, and wind turbines in an electrical power system. Journal of Energy Storage, 2019, 23, 220-233.	8.1	28
44	A two-stage optimal energy management by using ADP and HBB-BC algorithms for microgrids with renewable energy sources and storages. Journal of Energy Storage, 2019, 21, 460-480.	8.1	26
45	A daytime optimal stochastic energy management for EV commercial parking lots by using approximate dynamic programming and hybrid big bang big crunch algorithm. Sustainable Cities and Society, 2019, 45, 486-498.	10.4	40
46	Optimal distribution feeder reconfiguration and generation scheduling for microgrid day-ahead operation in the presence of electric vehicles considering uncertainties. Journal of Energy Storage, 2019, 21, 58-71.	8.1	58
47	Stochastic multi-objective economic-environmental energy and reserve scheduling of microgrids considering battery energy storage system. International Journal of Electrical Power and Energy Systems, 2019, 106, 1-16.	5.5	137
48	Energy and emission management of CCHPs with electric and thermal energy storage and electric vehicle. Thermal Science and Engineering Progress, 2018, 8, 494-508.	2.7	61
49	Stochastic multi-objective energy management in residential microgrids with combined cooling, heating, and power units considering battery energy storage systems and plug-in hybrid electric vehicles. Journal of Cleaner Production, 2018, 195, 301-317.	9.3	126
50	Coordinated optimization and control of SFCL and SMES for mitigation of SSR using HBB-BC algorithm in a fuzzy framework. Journal of Energy Storage, 2018, 18, 498-508.	8.1	8
51	Coordinated design of PSS and TCSC controllers using colonal selection algorithm for stability enhancement of dynamical power system. , 2017, , .		8
52	Voltage and frequency regulation in autonomous microgrids using Hybrid Big Bang-Big Crunch algorithm. Applied Soft Computing Journal, 2017, 52, 176-189.	7.2	42
53	Hybrid Symbiotic Organisms Search for Optimal Fuzzified Joint Reconfiguration and Capacitor Placement in Electric Distribution Systems. INAE Letters, 2017, 2, 107-121.	1.0	11
54	The Imperialist Competitive Algorithm for Optimal Multi-Objective Location and Sizing of DSTATCOM in Distribution Systems Considering Loads Uncertainty. INAE Letters, 2017, 2, 83-95.	1.0	21

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55	Optimal reconfiguration of distribution systems by considering minimization of loss and intrusion costs and switching numbers using Hybrid Big Bang-Big Crunch algorithm. , 2016, , .		0
56	Optimal siting and sizing of distribution system operator owned EV parking lots. Applied Energy, 2016, 179, 1176-1184.	10.1	75
57	Multi-objective voltage and frequency regulation in autonomous microgrids using Pareto-based Big Bang-Big Crunch algorithm. Control Engineering Practice, 2016, 55, 56-68.	5.5	19
58	Load frequency control of a multi-area power system by optimum designing of frequency-based PID controller using seeker optimization algorithm. , 2016, , .		7
59	Multi-objective optimal reconfiguration and DG (Distributed Generation) power allocation in distribution networks using Big Bang-Big Crunch algorithm considering load uncertainty. Energy, 2016, 103, 86-99.	8.8	139
60	Optimal multi-objective reconfiguration and capacitor placement of distribution systems with the Hybrid Big Bang-Big Crunch algorithm in the fuzzy framework. Ain Shams Engineering Journal, 2016, 7, 113-129.	6.1	52
61	Application of the hybrid Big Bang-Big Crunch algorithm to optimal reconfiguration and distributed generation power allocation in distribution systems. Energy, 2014, 76, 920-930.	8.8	106
62	Reconfiguration of Radial Distribution Systems with Fuzzy Multi-Objective Approach Using Modified Big Bang-Big Crunch Algorithm. Arabian Journal for Science and Engineering, 2014, 39, 6287-6296.	1.1	21
63	Optimal reconfiguration and capacitor placement for power loss reduction of distribution system using improved binary particle swarm optimization. International Journal of Energy and Environmental Engineering, 2014, 5, 1.	2.5	31
64	Hybrid approach to FACTS devices allocation using multi-objective function with NSPSO and NSGA-II algorithms in Fuzzy framework. International Journal of Electrical Power and Energy Systems, 2014, 62, 586-598.	5.5	31
65	Optimal reconfiguration and capacitor placement for power loss reduction of distribution system using improved binary particle swarm optimization. International Journal of Energy and Environmental Engineering, 2014, 5, 3.	2.5	28
66	An Efficient Hybrid Big Bang-Big Crunch Algorithm for Multi-objective Reconfiguration of Balanced and Unbalanced Distribution Systems in Fuzzy Framework. Electric Power Components and Systems, 2013, 41, 75-99.	1.8	48
67	Dynamic modeling and adaptive control of voltage in proton exchange membrane fuel cell using water management. International Journal of Energy Research, 2012, 36, 1201-1214.	4.5	7
68	Coordination of PSS and TCSC controller using modified particle swarm optimization algorithm to improve power system dynamic performance. Journal of Zhejiang University: Science C, 2010, 11, 645-653.	0.7	16
69	Optimal allocation of intelligent parking lots in distribution system: A robust two-stage optimization model. IET Electrical Systems in Transportation, 0, , .	2.4	5