

Hamed Nafisi

List of Publications by Year in descending order

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62
papers

1,015
citations

430754

18
h-index

526166

27
g-index

62
all docs

62
docs citations

62
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic stochastic joint expansion planning of power systems, natural gas networks, and electrical and natural gas storage. IET Generation, Transmission and Distribution, 2022, 16, 1489-1506.	1.4	7
2	Optimal placement of fuses and switches in active distribution networks using value-based MINLP. Reliability Engineering and System Safety, 2022, 217, 108075.	5.1	15
3	Day-ahead offering strategy in the market for concentrating solar power considering thermoelectric decoupling by a compressed air energy storage. Applied Energy, 2022, 305, 117804.	5.1	43
4	Fair-Optimal Bilevel Transactive Energy Management for Community of Microgrids. IEEE Systems Journal, 2022, 16, 2125-2135.	2.9	22
5	Overarching Preventive Sympathetic Tripping Approach in Active Distribution Networks Without Telecommunication Platforms and Additional Protective Devices. IEEE Access, 2022, 10, 28411-28421.	2.6	3
6	Designing a Robust Decentralized Energy Transactions Framework for Active Prosumers in Peer-to-Peer Local Electricity Markets. IEEE Access, 2022, 10, 26743-26755.	2.6	27
7	Overarching Sustainable Energy Management of PV Integrated EV Parking Lots in Reconfigurable Microgrids Using Generative Adversarial Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19258-19271.	4.7	6
8	Investigation on distribution transformer loss-of-life due to plug-in hybrid electric vehicles charging. International Journal of Ambient Energy, 2021, 42, 744-750.	1.4	15
9	Evaluating the effect of electric vehicle parking lots in transmission-constrained AC unit commitment under a hybrid IGDT-stochastic approach. International Journal of Electrical Power and Energy Systems, 2021, 125, 106546.	3.3	60
10	A Novel IGDT-Based Method to Find the Most Susceptible Points of Cyberattack Impacting Operating Costs of VSC-Based Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3695-3714.	3.7	8
11	Co-Optimization of Energy Losses and Transformer Operating Costs Based on Smart Charging Algorithm for Plug-In Electric Vehicle Parking Lots. IEEE Transactions on Transportation Electrification, 2021, 7, 527-541.	5.3	22
12	Grid Integration of a Dual Two-Level Voltage-Source Inverter Considering Grid Impedance and Phase-Locked Loop. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 401-422.	3.7	30
13	Energy Markets of Multi-carrier Energy Networks. Power Systems, 2021, , 87-119.	0.3	2
14	Dual Two-Level Voltage Source Inverter Virtual Inertia Emulation: A Comparative Study. Energies, 2021, 14, 1160.	1.6	13
15	Sizing and Sitting of DERs in Active Distribution Networks Incorporating Load Prevailing Uncertainties Using Probabilistic Approaches. Applied Sciences (Switzerland), 2021, 11, 4156.	1.3	34
16	A framework for day-ahead optimal charging scheduling of electric vehicles providing route mapping: Kowloon case study. Journal of Cleaner Production, 2021, 307, 127297.	4.6	32
17	Optimal two-level active and reactive energy management of residential appliances in smart homes. Sustainable Cities and Society, 2021, 71, 102972.	5.1	22
18	Enhancement of flexibility in multi-energy microgrids considering voltage and congestion improvement: Robust thermal comfort against reserve calls. Sustainable Cities and Society, 2021, 74, 103160.	5.1	44

#	ARTICLE	IF	CITATIONS
19	CHPs and EHPs Effectiveness Evaluation in a Residential Multi-Carrier Energy Hub. , 2021, , .		9
20	Artificial Intelligence-Based Power System Stabilizers for Frequency Stability Enhancement in Multi-Machine Power Systems. IEEE Access, 2021, 9, 166095-166116.	2.6	29
21	Anomaly Detection and Resilience-Oriented Countermeasures against Cyberattacks in Smart Grids. , 2021, , .		7
22	Assessing the Effectiveness of Weighted Information Gap Decision Theory Integrated With Energy Management Systems for Isolated Microgrids. IEEE Transactions on Industrial Informatics, 2020, 16, 5286-5299.	7.2	28
23	Extending protection selectivity in low voltage DC microgrids using compensation gain and artificial line inductance. Electric Power Systems Research, 2020, 188, 106530.	2.1	9
24	Virtual Inertia Implementation in Dual Two-Level Voltage Source Inverters. , 2020, , .		13
25	Role of Joint 5G-IoT Framework for Smart Grid Interoperability Enhancement. , 2020, , .		10
26	An innovative energy management framework for cooperative operation management of electricity and natural gas demands. Energy Conversion and Management, 2019, 200, 112069.	4.4	19
27	Internet of Energy (IoE) in Smart Power Systems. , 2019, , .		40
28	Adapted nearâ€state PWM for dual twoâ€level inverters in order to reduce commonâ€mode voltage and switching losses. IET Power Electronics, 2019, 12, 676-685.	1.5	14
29	IoT Architecture for Smart Grids. , 2019, , .		72
30	Investigation on Impact of Motor Dynamics on Operation of Current Limiting Protectors. , 2019, , .		0
31	Fault Detection Method for DG Disconnection in Inverter-Interfaced Microgrids with Photovoltaic System. , 2019, , .		1
32	An Innovative Method For Route Mapping of Battery Electric Vehicles. , 2019, , .		1
33	Robust Transmission-Constrained AC unit Commitment in Presence of Smart Technologies. , 2019, , .		0
34	Retail Electricity Pricing Impacts on Demand Response and Electrical Vehicles Planning in Residential Micro-grid. , 2019, , .		3
35	Attributes of Big Data Analytics for Data-Driven Decision Making in Cyber-Physical Power Systems. , 2019, , .		22
36	Small signal stability improvement via coordination of PSS's and SOFC power conditioner by PSO algorithm. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Blockchain, a Sustainable Solution for Cybersecurity Using Cryptocurrency for Financial Transactions in Smart Grids. , 2019, , .		30
38	Introduction and Advantage of Space Opposite Vectors Modulation Utilized in Dual Two-Level Inverters With Isolated DC Sources. IEEE Transactions on Industrial Electronics, 2019, 66, 7581-7592.	5.2	27
39	Optimization of Day Ahead Distributed Intelligent Decision-Making for a Multi-Microgrid System. , 2018, , .		1
40	A Comprehensive Financial Analysis for Dual-Axis Sun Tracking System in Iran Photovoltaic Panels. , 2018, , .		2
41	Maximization of Wind Energy Utilization and Flicker Propagation Mitigation Using SC and STATCOM. , 2018, , .		3
42	Under frequency load shedding by considering instantaneous voltage and priority of loads. , 2017, , .		13
43	A novel approach for improving voltage profile in low voltage networks with high solar panel penetration level by using flexible loads. , 2017, , .		2
44	Energy loss minimization using PHEVs as distributed active and reactive power resources: a convex quadratic local optimal solution. International Transactions on Electrical Energy Systems, 2016, 26, 1287-1302.	1.2	23
45	Two-Stage Optimization Method for Energy Loss Minimization in Microgrid Based on Smart Power Management Scheme of PHEVs. IEEE Transactions on Smart Grid, 2016, 7, 1268-1276.	6.2	93
46	Active and reactive power transmission loss allocation to bilateral contracts through game theory techniques. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 1111-1126.	0.9	1
47	Optimal daily scheduling of reconfiguration based on minimisation of the cost of energy losses and switching operations in microgrids. IET Generation, Transmission and Distribution, 2015, 9, 513-522.	1.4	43
48	Locating Pd in Transformers through Detailed Model and Neural Networks. Journal of Electrical Engineering, 2014, 65, 75-82.	0.4	3
49	Voltage profile and power factor improvement in PHEV charging station using a probabilistic model and flywheel. , 2014, , .		5
50	Optimized Allocation of DGs to Improve System Reliability Based on Loading Effects. Arabian Journal for Science and Engineering, 2014, 39, 3907-3915.	1.1	7
51	Network Security Perspectives of Plug-in Hybrid Electric Vehicles. Arabian Journal for Science and Engineering, 2014, 39, 6197-6205.	1.1	7
52	Investigation on transient stability of an industrial network and relevant impact on over-current protection performance. , 2013, , .		3
53	A Novel Hybrid Islanding Detection Technique Using Rate of Voltage Change and Capacitor Tap Switching. Electric Power Components and Systems, 2012, 40, 1149-1159.	1.0	22
54	Effect of Distributed Generations on Aging Failure Probability of Distribution Transformers. Electric Power Components and Systems, 2012, 40, 1470-1485.	1.0	10

#	ARTICLE	IF	CITATIONS
55	Effect of the PV/FC hybrid power generation system on total line loss in distribution network. , 2010, , .		1
56	Optimized protective devices allocation in electric power distribution systems based on the current conditions of the devices. , 2010, , .		8
57	Optimized investment to decrease the failure rate of distribution lines in order to improve SAIFI. , 2010, , .		10
58	Using Fuzzy ARTmap neural network for determination of partial discharge location in power transformers. , 2009, , .		2
59	A novel approach to VFTO analysis of power transformers including FVL based on Detailed Model. , 2009, , .		2
60	Modeling the combination of UPQC and photovoltaic arrays with Multi-Input Single-Output DC-DC converter. , 2009, , .		4
61	Determination of mean and variance of LMP using probabilistic DCOPF and T-PEM. , 2008, , .		6
62	State feedback control of Boost converter using S1- α ; PWM method. , 2008, , .		5