

# 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	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
2	IoT Architecture for Smart Grids. , 2019, , .		72
3	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
4	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
5	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
6	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
7	Internet of Energy (IoE) in Smart Power Systems. , 2019, , .		40
8	Sizing and Siting of DERs in Active Distribution Networks Incorporating Load Prevailing Uncertainties Using Probabilistic Approaches. Applied Sciences (Switzerland), 2021, 11, 4156.	1.3	34
9	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
10	Blockchain, a Sustainable Solution for Cybersecurity Using Cryptocurrency for Financial Transactions in Smart Grids. , 2019, , .		30
11	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
12	Artificial Intelligence-Based Power System Stabilizers for Frequency Stability Enhancement in Multi-Machine Power Systems. IEEE Access, 2021, 9, 166095-166116.	2.6	29
13	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
14	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
15	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
16	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
17	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
18	Attributes of Big Data Analytics for Data-Driven Decision Making in Cyber-Physical Power Systems. , 2019, , .		22

#	ARTICLE	IF	CITATIONS
19	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
20	Optimal two-level active and reactive energy management of residential appliances in smart homes. Sustainable Cities and Society, 2021, 71, 102972.	5.1	22
21	Fair-Optimal Bilevel Transactive Energy Management for Community of Microgrids. IEEE Systems Journal, 2022, 16, 2125-2135.	2.9	22
22	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
23	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
24	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
25	Adapted near-state PWM for dual two-level inverters in order to reduce common-mode voltage and switching losses. IET Power Electronics, 2019, 12, 676-685.	1.5	14
26	Under frequency load shedding by considering instantaneous voltage and priority of loads. , 2017, , .		13
27	Dual Two-Level Voltage Source Inverter Virtual Inertia Emulation: A Comparative Study. Energies, 2021, 14, 1160.	1.6	13
28	Virtual Inertia Implementation in Dual Two-Level Voltage Source Inverters. , 2020, , .		13
29	Optimized investment to decrease the failure rate of distribution lines in order to improve SAIFI. , 2010, , .		10
30	Effect of Distributed Generations on Aging Failure Probability of Distribution Transformers. Electric Power Components and Systems, 2012, 40, 1470-1485.	1.0	10
31	Role of Joint 5G-IoT Framework for Smart Grid Interoperability Enhancement. , 2020, , .		10
32	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
33	CHPs and EHPs Effectiveness Evaluation in a Residential Multi-Carrier Energy Hub. , 2021, , .		9
34	Optimized protective devices allocation in electric power distribution systems based on the current conditions of the devices. , 2010, , .		8
35	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
36	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

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37	Network Security Perspectives of Plug-in Hybrid Electric Vehicles. Arabian Journal for Science and Engineering, 2014, 39, 6197-6205.	1.1	7
38	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
39	Anomaly Detection and Resilience-Oriented Countermeasures against Cyberattacks in Smart Grids. , 2021, , .		7
40	Determination of mean and variance of LMP using probabilistic DCOPF and T-PEM. , 2008, , .		6
41	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
42	State feedback control of Boost converter using S1-&#x03A3;&#x0394; PWM method. , 2008, , .		5
43	Voltage profile and power factor improvement in PHEV charging station using a probabilistic model and flywheel. , 2014, , .		5
44	Modeling the combination of UPQC and photovoltaic arrays with Multi-Input Single-Output DC-DC converter. , 2009, , .		4
45	Investigation on transient stability of an industrial network and relevant impact on over-current protection performance. , 2013, , .		3
46	Locating Pd in Transformers through Detailed Model and Neural Networks. Journal of Electrical Engineering, 2014, 65, 75-82.	0.4	3
47	Maximization of Wind Energy Utilization and Flicker Propagation Mitigation Using SC and STATCOM. , 2018, , .		3
48	Retail Electricity Pricing Impacts on Demand Response and Electrical Vehicles Planning in Residential Micro-grid. , 2019, , .		3
49	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
50	Using Fuzzy ARTmap neural network for determination of partial discharge location in power transformers. , 2009, , .		2
51	A novel approach to VFTO analysis of power transformers including FVL based on Detailed Model. , 2009, , .		2
52	A novel approach for improving voltage profile in low voltage networks with high solar panel penetration level by using flexible loads. , 2017, , .		2
53	A Comprehensive Financial Analysis for Dual-Axis Sun Tracking System in Iran Photovoltaic Panels. , 2018, , .		2
54	Energy Markets of Multi-carrier Energy Networks. Power Systems, 2021, , 87-119.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Effect of the PV/FC hybrid power generation system on total line loss in distribution network. , 2010, , .		1
56	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
57	Optimization of Day Ahead Distributed Intelligent Decision-Making for a Multi-Microgrid System. , 2018, , .		1
58	Fault Detection Method for DG Disconnection in Inverter-Interfaced Microgrids with Photovoltaic System. , 2019, , .		1
59	An Innovative Method For Route Mapping of Battery Electric Vehicles. , 2019, , .		1
60	Investigation on Impact of Motor Dynamics on Operation of Current Limiting Protectors. , 2019, , .		0
61	Robust Transmission-Constrained AC unit Commitment in Presence of Smart Technologies. , 2019, , .		0
62	Small signal stability improvement via coordination of PSS's and SOFC power conditioner by PSO algorithm. , 2019, , .		0