

# Arash Asrari

## List of Publications by Year in descending order

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52  
papers

1,080  
citations

516710

16  
h-index

642732

23  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1133  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Remedial Action Scheme Against False Data Injection Cyberattacks in Smart Transmission Systems: Application of Thyristor-Controlled Series Capacitor (TCSC). IEEE Transactions on Industrial Informatics, 2022, 18, 2297-2309.	11.3	16
2	Second-Order Cone Programming Relaxation of Stealthy Cyberattacks Resulting in Overvoltages in Cyber-Physical Power Systems. IEEE Systems Journal, 2022, 16, 4267-4278.	4.6	4
3	Detection of False Data Injection Cyberattacks Targeting Smart Transmission/Distribution Networks. , 2022, , .		6
4	Toward Detecting Cyberattacks Targeting Modern Power Grids: A Deep Learning Framework. , 2022, , .		11
5	The Impacts of a Decision Making Framework on Distribution Network Reconfiguration. IEEE Transactions on Sustainable Energy, 2021, 12, 634-645.	8.8	13
6	How to Employ Competitive Smart Home Retailers to React to Cyberattacks in Smart Cities?. Power Systems, 2021, , 63-92.	0.5	1
7	A Region-based Framework for Cyberattacks Leading to Undervoltage in Smart Distribution Systems. , 2021, , .		8
8	A Collaborative Market-based Framework to Cope with Overvoltages Caused by Massive Penetration of Rooftop PVs in Modern Distribution Systems. , 2021, , .		1
9	Feedback Linearization Control of Converters With LCL Filter for Weak AC Grid Integration. IEEE Transactions on Power Systems, 2021, 36, 3740-3750.	6.5	16
10	Experimental Validation of a Market-based Remedial Action Coping with Cyberattackers Targeting Renewable-based Microgrids. , 2021, , .		6
11	Experimental Validation of a Hybrid Storage Framework to Cope With Fluctuating Power of Hybrid Renewable Energy-Based Systems. IEEE Transactions on Energy Conversion, 2021, 36, 1991-2001.	5.2	36
12	Step Towards Energy-Water Smart Microgrids; Buildings Thermal Energy and Water Demand Management Embedded in Economic Dispatch. IEEE Transactions on Smart Grid, 2021, 12, 3680-3691.	9.0	26
13	A remedial action framework against cyberattacks targeting energy hubs integrated with distributed energy resources. Applied Energy, 2021, 304, 117895.	10.1	17
14	Decentralized Outages Prevention: A Remedial Action Scheme for Cyberattacks Targeting Market Retailers in Smart Distribution Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 8207-8218.	11.3	5
15	Experimental Validation of Grid-Tied and Standalone Inverters on a Lab-scale Wind-PV Microgrid. , 2021, , .		8
16	A Market Framework for Decentralized Congestion Management in Smart Distribution Grids Considering Collaboration Among Electric Vehicle Aggregators. IEEE Transactions on Smart Grid, 2020, 11, 1147-1158.	9.0	85
17	Optimal management of residential energy storage systems in presence of intermittencies. Journal of Building Engineering, 2020, 29, 101149.	3.4	18
18	Realistic and Intelligent Management of Connected Storage Devices in Future Smart Homes Considering Energy Price Tag. IEEE Transactions on Industry Applications, 2020, 56, 1679-1689.	4.9	35

#	ARTICLE	IF	CITATIONS
19	Optimal Brake Allocation in Electric Vehicles for Maximizing Energy Harvesting During Braking. IEEE Transactions on Energy Conversion, 2020, 35, 1806-1814.	5.2	30
20	Reaction to Detected Cyberattacks in Smart Distribution Systems. , 2020, , .		6
21	Real-time Blackout Prevention in Response to Decentralized Cyberattacks on a Smart Grid. , 2020, , .		5
22	Nonlinear Control Design for Voltage Source Converters in Weak AC Grids. , 2020, , .		4
23	Consensus-Based Demand Response of PMSC Wind Turbines With Distributed Energy Storage Considering Capability Curves. IEEE Transactions on Sustainable Energy, 2020, 11, 2315-2325.	8.8	16
24	Interconnected Energy Hubs including DERs Targeted by FDI Cyberattacks. , 2020, , .		9
25	Small-signal Stability Evaluation of DFIG Wind Farms with On-site Battery Energy Storage. , 2019, , .		0
26	A Market Framework for Holistic Congestion Management in Unbalanced Distribution Systems. , 2019, , .		3
27	A Framework for Simultaneous Management of Greenhouse Gas Emission and Substation Transformer Congestion via Cooperative Microgrids. , 2019, , .		3
28	Real-time Congestion Prevention in Modern Distribution Power Systems via Demand Response of Smart Homes. , 2019, , .		6
29	Virtual Synchronous Generator-Based Control of Voltage Source Converters for Weak AC Grids. , 2019, , .		0
30	Optimal Blending of Regenerative and Friction Braking at Low Speeds for Maximizing Energy Extraction in Electric Vehicles. , 2019, , .		6
31	Energy Management of Multi-Energy Storage Systems Using Energy Path Decomposition. , 2019, , .		9
32	Impedance Analysis of Virtual Synchronous Generator-Based Vector Controlled Converters for Weak AC Grid Integration. IEEE Transactions on Sustainable Energy, 2019, 10, 1481-1490.	8.8	55
33	Power system protection upgrade at anclote plant a case study in florida state. , 2018, , .		4
34	Smart Home Energy Management Considering Real-Time Energy Pricing of Plug-in Electric Vehicles. , 2018, , .		3
35	Dynamic Phasor-based Stability Analysis of Multi-Terminal VSC-HVDC Links with Offshore AC Networks. , 2018, , .		0
36	Small Signal Analysis of a VSC-Based Battery Energy Storage System with V/f Control. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Reactive Power Control for Multiple Batteries Connected in Parallel Using Modified Power Factor Method. , 2018, , .		6
38	Screen Wash Pump Power System Studyâ€“An Industrial Project for Hines Energy Complex. , 2018, , .		0
39	Sub-Synchronous Resonance Damping using Battery Energy Storage System. , 2018, , .		6
40	Application of Optimization for Daily Scheduling of Renewable Distributed Generations Considering Market Profits in Distribution Networks. , 2018, , .		5
41	Review of HVDC control in weak AC grids. Electric Power Systems Research, 2018, 162, 194-206.	3.6	55
42	A Hybrid Algorithm for Short-Term Solar Power Predictionâ€“Sunshine State Case Study. IEEE Transactions on Sustainable Energy, 2017, 8, 582-591.	8.8	102
43	Arc flash analysis of silver springs north switchyard â€“ A case study in North Florida. , 2017, , .		3
44	Reconfiguration of Smart Distribution Systems With Time Varying Loads Using Parallel Computing. IEEE Transactions on Smart Grid, 2016, 7, 2713-2723.	9.0	62
45	An intelligent neural network-based short-term wind power forecasting in PJM Electricity Market. , 2016, , .		2
46	The Impacts of Distributed Energy Sources on Distribution Network Reconfiguration. IEEE Transactions on Energy Conversion, 2016, 31, 606-613.	5.2	64
47	Pareto Dominance-Based Multiobjective Optimization Method for Distribution Network Reconfiguration. IEEE Transactions on Smart Grid, 2016, 7, 1401-1410.	9.0	95
48	Optimal distribution network reconfiguration using dynamic fuzzy based genetic algorithm. , 2014, , .		1
49	Techno-economic analysis of stand-alone hybrid photovoltaicâ€“dieselâ€“battery systems for rural electrification in eastern part of Iranâ€“A step toward sustainable rural development. Renewable and Sustainable Energy Reviews, 2013, 28, 456-462.	16.4	78
50	A general algorithm to automatically create admittance matrices for electric networks. , 2013, , .		0
51	A Stochastic Hybrid Method to Forecast Operating Reserve: Comparison of Fuzzy and Classical Set Theory. Electric Power Components and Systems, 2013, 41, 806-823.	1.8	4
52	Economic evaluation of hybrid renewable energy systems for rural electrification in Iranâ€“A case study. Renewable and Sustainable Energy Reviews, 2012, 16, 3123-3130.	16.4	126