

Hasan Mehrjerdi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2286995/hasan-mehrjerdi-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

1,586
citations

24
h-index

35
g-index

108
ext. papers

2,215
ext. citations

5.8
avg. IF

6.68
L-index

#	Paper	IF	Citations
97	Power-to-gas utilization in optimal sizing of hybrid power, water, and hydrogen microgrids with energy and gas storage. <i>Journal of Energy Storage</i> , 2022 , 45, 103745	7.8	4
96	Dynamic interactions in large scale photovoltaic power plants with frequency and voltage support. <i>Electric Power Systems Research</i> , 2022 , 207, 107848	3.5	
95	A Multilayer Perception Trained Method in Speed Control of a Linear Switched Reluctance Motor. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4475-4483	7.2	0
94	Coordination of thermal/wind energies in power-to-gas process for cost/pollution abatement considering wind energy recovery. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022 , 44, 632-649	1.6	1
93	Resilience-oriented operation of power systems: Hierarchical partitioning-based approach. <i>Applied Energy</i> , 2022 , 312, 118721	10.7	3
92	Robust multivariable control design for HVDC systems considering AC grid impedance uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 141, 108152	5.1	
91	A centralized stochastic optimal dispatching strategy of networked multi-carrier microgrids considering transactive energy and integrated demand response: Application to water-energy nexus. <i>Sustainable Energy, Grids and Networks</i> , 2022 , 100751	3.6	1
90	Optimal allocation of power-to-hydrogen units in regional power grids for green hydrogen trading: Opportunities and barriers. <i>Journal of Cleaner Production</i> , 2022 , 358, 131937	10.3	0
89	. <i>IEEE Access</i> , 2021 , 9, 156437-156450	3.5	
88	Multi-Carrier Microgrid Operation Model using Stochastic Mixed Integer Linear Programming. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
87	Advances in Transmission Network Fault Location in Modern Power Systems: Review, Outlook and Future Works. <i>IEEE Access</i> , 2021 , 9, 158599-158615	3.5	7
86	Accelerated distance protection for transmission lines based on accurate fault location. <i>Electric Power Systems Research</i> , 2021 , 193, 107021	3.5	1
85	Modeling and Optimal Planning of an EnergyWaterCarbon Nexus System for Sustainable Development of Local Communities. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100024	5.9	3
84	Multi carrier energy systems and energy hubs: Comprehensive review, survey and recommendations. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 23795-23795	6.7	6
83	Accurate fault location element for series compensated double-circuit transmission lines utilizing negative-sequence phasors. <i>Electric Power Systems Research</i> , 2021 , 194, 107064	3.5	5
82	Resilience-robustness improvement by adaptable operating pattern for electric vehicles in complementary solar-vehicle management. <i>Journal of Energy Storage</i> , 2021 , 37, 102454	7.8	6
81	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2516-2526	4.3	1

80	Comparative study of SBOAs on the tuning procedure of the designed SMPI controller for MIMO VSP/HVDC interconnected model. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106812	5.1	2
79	An optimized LQG servo controller design using LQI tracker for VSP-based AC/DC interconnected systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106752	5.1	2
78	Adaptive Single-Phase Auto-Reclosing Approach for Shunt Compensated Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 1360-1369	4.3	8
77	An Accurate Non-Pilot Scheme for Accelerated Trip of Distance Relay Zone-2 Faults. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 1370-1379	4.3	6
76	Resilience oriented vehicle-to-home operation based on battery swapping mechanism. <i>Energy</i> , 2021 , 218, 119528	7.9	14
75	Zero Energy Building by Multicarrier Energy Systems including Hydro, Wind, Solar, and Hydrogen. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5474-5484	11.9	15
74	. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 705-714	8.2	5
73	Carbon-Constrained and Cost Optimal Hybrid Wind-Based System for Sustainable Water Desalination. <i>IEEE Access</i> , 2021 , 9, 84079-84092	3.5	2
72	Microgrid Formation Strategy Including Multiple Energy and Capacity Resources for Resilience Improvement. <i>Power Systems</i> , 2021 , 151-175	0.4	
71	Optimal Scheduling of Demand Response Aggregators in Industrial Parks Based on Load Disaggregation Algorithm. <i>IEEE Systems Journal</i> , 2021 , 1-10	4.3	1
70	Resilience-oriented adaptable microgrid formation in integrated electricity-gas system with deployment of multiple energy hubs. <i>Sustainable Cities and Society</i> , 2021 , 71, 102946	10.1	17
69	High-speed auxiliary fault location element for distance relays in double-circuit lines. <i>Electric Power Systems Research</i> , 2021 , 200, 107470	3.5	0
68	Resilience maximization through mobile battery storage and diesel DG in integrated electrical and heating networks. <i>Energy</i> , 2021 , 237, 121195	7.9	16
67	A Quasi-Oppositional Method for Output Tracking Control by Swarm-Based MPID Controller on AC/HVDC Interconnected Systems With Virtual Inertia Emulation. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
66	Efficiency-Resilience Nexus in Building Energy Management Under Disruptions and Events. <i>IEEE Systems Journal</i> , 2020 , 1-10	4.3	14
65	Peer-to-peer home energy management incorporating hydrogen storage system and solar generating units. <i>Renewable Energy</i> , 2020 , 156, 183-192	8.1	25
64	A new sensitivity approach for preventive control selection in real-time voltage stability assessment. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 122, 106212	5.1	15
63	Practical implementation of residential load management system by considering vehicle-for-power transfer: Profit analysis. <i>Sustainable Cities and Society</i> , 2020 , 60, 102144	10.1	8

62	Investment deferral by optimal utilizing vehicle to grid in solar powered active distribution networks. <i>Journal of Energy Storage</i> , 2020 , 30, 101512	7.8	14
61	A pilot protection algorithm for TCSC compensated transmission line with accurate fault location capability. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 122, 106191	5.1	6
60	Resilience-uncertainty nexus in building energy management integrated with solar system and battery storage. <i>IEEE Access</i> , 2020 , 1-1	3.5	9
59	Dynamic and multi-stage capacity expansion planning in microgrid integrated with electric vehicle charging station. <i>Journal of Energy Storage</i> , 2020 , 29, 101351	7.8	31
58	Modeling and optimization of an island water-energy nexus powered by a hybrid solar-wind renewable system. <i>Energy</i> , 2020 , 197, 117217	7.9	39
57	Development of New Identification Method for Global Group of Controls for Online Coordinated Voltage Control in Active Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3921-3931	10.7	6
56	Stochastic Linear Programming for Optimal Planning of Battery Storage Systems Under Unbalanced-uncertain Conditions. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020 , 8, 971-980	4	8
55	New elevator system constructed by multi-translator linear switched reluctance motor with enhanced motion quality. <i>IET Electric Power Applications</i> , 2020 , 14, 1692-1701	1.8	0
54	Stochastic model for electric vehicle charging station integrated with wind energy. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 37, 100577	4.7	29
53	Modeling, integration, and optimal selection of the turbine technology in the hybrid wind-photovoltaic renewable energy system design. <i>Energy Conversion and Management</i> , 2020 , 205, 112350	10.6	33
52	Substation expansion deferral by multi-objective battery storage scheduling ensuring minimum cost. <i>Journal of Energy Storage</i> , 2020 , 27, 101119	7.8	17
51	Hybrid wind-diesel-battery system planning considering multiple different wind turbine technologies installation. <i>Journal of Cleaner Production</i> , 2020 , 247, 119654	10.3	10
50	Energy and uncertainty management through domestic demand response in the residential building. <i>Energy</i> , 2020 , 192, 116647	7.9	31
49	Sustainable and reliable hybrid AC/DC microgrid planning considering technology choice of equipment. <i>Sustainable Energy, Grids and Networks</i> , 2020 , 23, 100386	3.6	6
48	A Novel DC Transmission System Fault Location Technique for Offshore Renewable Energy Harvesting. <i>IEEE Transactions on Power Delivery</i> , 2020 , 35, 2885-2895	4.3	6
47	A Comprehensive Review of the Cyber-Attacks and Cyber-Security on Load Frequency Control of Power Systems. <i>Energies</i> , 2020 , 13, 3860	3.1	22
46	Resilience Improvement With Zero Load Curtailment by Multi-Microgrid Based on System of Systems. <i>IEEE Access</i> , 2020 , 8, 198494-198502	3.5	3
45	Accurate fault location algorithm for shunt-compensated double circuit transmission lines using single end data. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 116, 105515	5.1	9

44	Coordination of vehicle-to-home and renewable capacity resources for energy management in resilience and self-healing building. <i>Renewable Energy</i> , 2020 , 146, 568-579	8.1	61
43	Modeling and integration of water desalination units in thermal unit commitment considering energy and water storage. <i>Desalination</i> , 2020 , 483, 114411	10.3	6
42	Hybrid hydrogen-battery storage to smooth solar energy volatility and energy arbitrage considering uncertain electrical-thermal loads. <i>Renewable Energy</i> , 2020 , 154, 1180-1187	8.1	28
41	Wind-hydrogen storage in distribution network expansion planning considering investment deferral and uncertainty. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 39, 100687	4.7	8
40	Electric vehicle charging station with multilevel charging infrastructure and hybrid solar-battery-diesel generation incorporating comfort of drivers. <i>Journal of Energy Storage</i> , 2019 , 26, 100924	7.8	42
39	Nonlinear stochastic modeling for optimal dispatch of distributed energy resources in active distribution grids including reactive power. <i>Simulation Modelling Practice and Theory</i> , 2019 , 94, 1-13	3.9	16
38	Simultaneous load leveling and voltage profile improvement in distribution networks by optimal battery storage planning. <i>Energy</i> , 2019 , 181, 916-926	7.9	48
37	Modeling and optimal scheduling of battery energy storage systems in electric power distribution networks. <i>Journal of Cleaner Production</i> , 2019 , 234, 810-821	10.3	47
36	Vehicle-to-grid technology for cost reduction and uncertainty management integrated with solar power. <i>Journal of Cleaner Production</i> , 2019 , 229, 463-469	10.3	63
35	Multilevel home energy management integrated with renewable energies and storage technologies considering contingency operation. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 025101	2.5	24
34	Negative-Sequence Network Based Fault Location Scheme for Double-Circuit Multi-Terminal Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 1109-1117	4.3	42
33	Optimal correlation of non-renewable and renewable generating systems for producing hydrogen and methane by power to gas process. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 9210-9219	6.7	29
32	Off-grid solar powered charging station for electric and hydrogen vehicles including fuel cell and hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11574-11583	6.7	72
31	Optimal operation of hybrid electrical and thermal energy storage systems under uncertain loading condition. <i>Applied Thermal Engineering</i> , 2019 , 160, 114094	5.8	21
30	Non-standard characteristic of overcurrent relay for minimum operating time and maximum protection level. <i>Simulation Modelling Practice and Theory</i> , 2019 , 97, 101953	3.9	8
29	Correlation of multiple time-scale and uncertainty modelling for renewable energy-load profiles in wind powered system. <i>Journal of Cleaner Production</i> , 2019 , 236, 117644	10.3	21
28	Optimal cooperation of a hydrogen storage system and fuel cell to supply electrical and thermal loads. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 034103	2.5	6
27	Daily-seasonal operation in net-zero energy building powered by hybrid renewable energies and hydrogen storage systems. <i>Energy Conversion and Management</i> , 2019 , 201, 112156	10.6	50

26	Mutual Vehicle-to-Home and Vehicle-to-Grid Operation Considering Solar-Load Uncertainty 2019 ,		4
25	Optimal Linear Quadratic Regulator Design of Interconnected Systems with VSP based HVDC Links for Inertia Emulation 2019 ,		1
24	Design of Multivariable PI Controller Using Evolutionary Algorithms for VSP based AC/DC Interconnected Systems 2019 ,		1
23	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters 2019 ,		2
22	Vision-based curved lane keeping control for intelligent vehicle highway system. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2019 , 233, 961-979 ¹		3
21	Unified energy management and load control in building equipped with wind-solar-battery incorporating electric and hydrogen vehicles under both connected to the grid and islanding modes. <i>Energy</i> , 2019 , 168, 919-930	7.9	57
20	Improving participation of doubly fed induction generator in frequency regulation in an isolated power system. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 100, 550-558	5.1	4
19	. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 220-229	10.7	5
18	Risk-constrained scheduling of solar Stirling engine based industrial continuous heat treatment furnace. <i>Applied Thermal Engineering</i> , 2018 , 128, 940-955	5.8	28
17	Distribution power factor monitoring in presence of high RES integration using a modified load encroachment technique. <i>IET Renewable Power Generation</i> , 2018 , 12, 851-858	2.9	5
16	Design and performance investigation of a novel absorption ice-making system using waste heat recovery from flue gases of air to air heat pump. <i>Applied Thermal Engineering</i> , 2018 , 130, 782-792	5.8	11
15	Effects of penetration level and location of wind turbines on shadow prices and congestion of transmission lines. <i>Journal of Renewable and Sustainable Energy</i> , 2018 , 10, 065503	2.5	1
14	Distance-differential protection of transmission lines connected to wind farms. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 89, 11-18	5.1	27
13	Adaptive algorithm for transmission line protection in the presence of UPFC. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 91, 10-19	5.1	21
12	On sizing the required energy of HVDC based inertia emulation for frequency control 2017 ,		2
11	Synchrophasor-based backup distance protection of multi-terminal transmission lines. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 3304-3313	2.5	20
10	Derivative based inertia emulation of interconnected systems considering phase-locked loop dynamics 2016 ,		1
9	. <i>IEEE Transactions on Smart Grid</i> , 2015 , 6, 2221-2232	10.7	58

8	Control technique for enhancing the stable operation of distributed generation units within a microgrid. <i>Energy Conversion and Management</i> , 2015 , 97, 362-373	10.6	48
7	A secondary voltage regulation approach for Hydro-Quebec in transmission level. <i>Electric Power Systems Research</i> , 2015 , 121, 183-191	3.5	4
6	Area voltage control analysis in transmission systems based on clustering technique. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 2134-2143	2.5	11
5	Authenticated voltage control of partitioned power networks with optimal allocation of STATCOM using heuristic algorithm. <i>IET Generation, Transmission and Distribution</i> , 2013 , 7, 1037-1045	2.5	17
4	Coordinated Control Strategy Considering Effect of Neighborhood Compensation for Voltage Improvement in Transmission Systems. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 4507-4515	7	18
3	Nonlinear coordination control for a group of mobile robots using a virtual structure. <i>Mechatronics</i> , 2011 , 21, 1147-1155	3	54
2	Cascade design for formation control of nonholonomic systems in chained form. <i>Journal of the Franklin Institute</i> , 2011 , 348, 973-998	4	24
1	Formation path following control of unicycle-type mobile robots. <i>Robotics and Autonomous Systems</i> , 2010 , 58, 727-736	3.5	97