

# Mehdi Zadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

773  
citations

759233

12  
h-index

940533

16  
g-index

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all docs

58  
docs citations

58  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Analysis and Dynamic Performance Evaluation of a Power Electronics-Based DC Distribution System With Active Stabilizer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 93-102.	5.4	74
2	Discrete-Time Tool for Stability Analysis of DC Power Electronics-Based Cascaded Systems. IEEE Transactions on Power Electronics, 2017, 32, 652-667.	7.9	66
3	Shipboard Electric Power Conversion: System Architecture, Applications, Control, and Challenges [Technology Leaders]. IEEE Electrification Magazine, 2019, 7, 6-20.	1.8	50
4	Hydrogen Fuel Cells for Ship Electric Propulsion: Moving Toward Greener Ships. IEEE Electrification Magazine, 2020, 8, 27-43.	1.8	43
5	Shore Charging for Plug-In Battery-Powered Ships: Power System Architecture, infrastructure, and Control. IEEE Electrification Magazine, 2020, 8, 47-61.	1.8	42
6	Zero-Emission Autonomous Ferries for Urban Water Transport: Cheaper, Cleaner Alternative to Bridges and Manned Vessels. IEEE Electrification Magazine, 2019, 7, 32-45.	1.8	38
7	Discrete-Time Modeling, Stability Analysis, and Active Stabilization of DC Distribution Systems With Multiple Constant Power Loads. IEEE Transactions on Industry Applications, 2016, 52, 4888-4898.	4.9	34
8	An Intelligent Power and Energy Management System for Fuel Cell/Battery Hybrid Electric Vehicle Using Reinforcement Learning. , 2019, , .		32
9	Digital Twin Modelling of Ship Power and Propulsion Systems: Application of the Open Simulation Platform (OSP). , 2020, , .		28
10	Centralized stabilizer for marine DC microgrid. , 2013, , .		21
11	Small-signal stability study of the Cigr&#x00E9; DC grid test system with analysis of participation factors and parameter sensitivity of oscillatory modes. , 2014, , .		20
12	Dynamic Modeling, Simulation, and Testing of a Marine DC Hybrid Power System. IEEE Transactions on Transportation Electrification, 2021, 7, 905-919.	7.8	20
13	An optimal control strategy to alleviate sub-synchronous resonance in VSC-HVDC systems. , 2009, , .		19
14	Modeling and Predictive Control of Shipboard Hybrid DC Power Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 892-904.	7.8	19
15	The modeling of metal-oxide surge arrester applied to improve surge protection. , 2009, , .		18
16	Stability analysis of interconnected AC power systems with multiterminal DC grids based on the CigrÃ© DC grid test system. , 2014, , .		16
17	A Hybrid Power System Laboratory: Testing Electric and Hybrid Propulsion. IEEE Electrification Magazine, 2019, 7, 89-97.	1.8	16
18	Evaluation of Energy Transfer Efficiency for Shore-to-Ship Fast Charging Systems. , 2020, , .		15

#	ARTICLE	IF	CITATIONS
19	Data-Driven Efficiency Modeling and Analysis of All-Electric Ship Powertrain: A Comparison of Power System Architectures. IEEE Transactions on Transportation Electrification, 2022, 8, 1930-1943.	7.8	15
20	Discrete-time modelling, stability analysis, and active stabilization of dc distribution systems with constant power loads. , 2015, , .		14
21	Energy management and stabilization of a hybrid DC microgrid for transportation applications. , 2016, , .		13
22	Stability enhancement of multi-machine systems using adaptive reclosing of transmission lines. International Journal of Electrical Power and Energy Systems, 2014, 62, 391-397.	5.5	12
23	Stability analysis of hybrid AC/DC power systems for more electric aircraft. , 2016, , .		12
24	A Robust Circuit and Controller Parametersâ€™ Identification Method of Grid-Connected Voltage-Source Converters Using Vector Fitting Algorithm. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2748-2763.	5.4	11
25	Dynamic Modeling, Stability Analysis, and Power Management of Shipboard DC Hybrid Power Systems. IEEE Transactions on Transportation Electrification, 2022, 8, 225-238.	7.8	11
26	A discrete-time tool to analyze the stability of weakly filtered active front-end PWM converters. , 2014, , .		9
27	Dynamic Modeling and Stability Analysis of Onboard DC Power System for Hybrid Electric Ships. , 2019, , .		8
28	Load Frequency-Based Power Management for Shipboard DC Hybrid Power Systems. , 2020, , .		8
29	Electromagnetic Oscillation Origin Location in Multiple-Inverter-Based Power Systems Using Components Impedance Frequency Responses. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 1-20.	6.8	8
30	Interfacing an Electric Vehicle to the Grid with Modular Conversion Unit: A Case Study of a Charging Station and its Control Framework. , 2018, , .		7
31	Frequency estimation of distorted signals in power systems using particle extended Kalman filter. , 2009, , .		6
32	Performance of a ANFIS based PSS with tie line active power deviation feedback. , 2009, , .		5
33	Dynamic analysis of an on-board DC distribution system with active stabilizer. , 2015, , .		5
34	A Modified Sliding Mode Controller for Active Stabilization of DC Microgrids with Constant Power Load. , 2019, , .		5
35	Dynamic Efficiency Modeling of a Marine DC Hybrid Power System. , 2021, , .		5
36	An optimal control strategy for the IPM motor drives. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
37	A fuzzy control strategy to damp multi mode oscillations of power system considering UPFC. , 2009, , .		4
38	Modelling of a Shipboard Electric Power System for Hardware-in-the-Loop Testing. , 2020, , .		4
39	Efficiency Estimation of Synchronous Generators for Marine Applications and Verification With Shop Trial Data and Real Ship Operation Data. IEEE Access, 2020, 8, 195541-195550.	4.2	4
40	Reliability Analysis of Shore-to-Ship Fast Charging Systems. , 2021, , .		4
41	Analysis of impedance relaying procedure effected by STATCOM operation. , 2009, , .		3
42	Bifurcation in PWM converter-based systems with wireless communication-based current controller. , 2013, , .		3
43	Integrated Design and Control Approach for Marine Power Systems Based On Operational Data; "Digital Twin to Design", 2021, , .		3
44	DC-DC Converter Control for Peak-Shaving in Shipboard DC Power System via Hybrid Control. , 2020, , .		3
45	Impacts of TCSC on Switching Transients of HV transmission lines due to fault clearing. , 2009, , .		2
46	Fault recognition in power system including TCSC. , 2010, , .		2
47	Modeling and simulation of wireless communication based robust controller for multi-converter systems. , 2013, , .		2
48	A controllable distributed energy resource with active filtering capability based on online harmonic detection. , 2013, , .		2
49	An Optimal Energy Management System for Marine Hybrid Power Systems. , 2021, , .		2
50	Novel method for tracking the resonance frequency of RLC loads using extended kalman filter. , 2009, , .		1
51	Mitigation of current restrict of MV circuit breakers in shunt capacitor by metal oxide arrester. , 2009, , .		1
52	Seamless control of distributed multi-converter system with high power quality. , 2013, , .		1
53	Stability assessment of distributed multiconverter systems in automated grid. , 2013, , .		1
54	Co-Simulation of a Marine Hybrid Power System for Real-Time Virtual Testing. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
55	Operation-based Reliability Assessment of Shore-to-Ship Charging Systems. , 2022, , .		1
56	A new method for mitigation of power oscillations with fast reclosing of transmission lines based on SIME. , 2014, , .		0
57	Energy Storage System as Auxiliaries of Internal Combustion Engines in Hybrid Electric Ships. , 2020, , .		0
58	Dynamic Modelling of Fuel Cell Systems for Electric Propulsion. , 2021, , .		0