

Murilo Eduardo Casteroba Bento

List of Publications by Year in descending order

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209
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed Low-Order Wide-Area Damping Controller Considering Time Delays and Power System Operation Uncertainties. IEEE Transactions on Power Systems, 2020, 35, 3918-3926.	6.5	72
2	A Procedure to Design Fault-Tolerant Wide-Area Damping Controllers. IEEE Access, 2018, 6, 23383-23405.	4.2	61
3	A Hybrid Particle Swarm Optimization Algorithm for the Wide-Area Damping Control Design. IEEE Transactions on Industrial Informatics, 2022, 18, 592-599.	11.3	53
4	A hybrid procedure to design a wide-area damping controller robust to permanent failure of the communication channels and power system operation uncertainties. International Journal of Electrical Power and Energy Systems, 2019, 110, 118-135.	5.5	43
5	A Method Based on Linear Matrix Inequalities to Design a Wide-Area Damping Controller Resilient to Permanent Communication Failures. IEEE Systems Journal, 2021, 15, 3832-3840.	4.6	37
6	Design of Wide-Area Damping Controllers Incorporating Resiliency to Permanent Failure of Remote Communication Links. Journal of Control, Automation and Electrical Systems, 2018, 29, 541-550.	2.0	26
7	An approach for monitoring and updating the load margin of power systems in dynamic security assessment. Electric Power Systems Research, 2021, 198, 107365.	3.6	22
8	A procedure to design wide-area damping controllers for power system oscillations considering promising input-output pairs. Energy Systems, 2019, 10, 911-940.	3.0	20
9	Design of Coordinated Decentralized Damping Controllers for Power Systems Considering Uncertainties. Journal of Control, Automation and Electrical Systems, 2018, 29, 22-31.	2.0	19
10	Performance analysis of Wide-Area Damping Control Design methods. , 2016, , .		18
11	Monitoring of the power system load margin based on a machine learning technique. Electrical Engineering, 2022, 104, 249-258.	2.0	16
12	Design of a wide-area damping controller to tolerate permanent communication failure and time delay uncertainties. Energy Systems, 2022, 13, 235-264.	3.0	16
13	Wide-area measurements-based two-level control design considering power system operation uncertainties. , 2017, , .		15
14	Robust design of coordinated decentralized damping controllers for power systems. International Journal of Advanced Manufacturing Technology, 2018, 99, 2035-2044.	3.0	13
15	A method for monitoring the load margin of power systems under load growth variations. Sustainable Energy, Grids and Networks, 2022, 30, 100677.	3.9	12
16	Design analysis of wide-area damping controllers using genetic algorithms. , 2016, , .		11
17	An Optimization Approach for the Wide-Area Damping Control Design. , 2018, , .		10
18	Design of Power Systems Stabilizers for distributed synchronous generators using Linear Matrix Inequality solvers. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	A Method for Dynamic Security Assessment of Power Systems with Simultaneous Consideration of Hopf and Saddle-Node Bifurcations. , 2018, , .		8
20	Efficiency analysis of local and central controllers in an electric power system. , 2016, , .		7
21	Analysis of the Load Growth Direction Variation in the Dynamic Security Assessment. , 2018, , .		7
22	Design of a Resilient Wide-Area Damping Controller Using African Vultures Optimization Algorithm. , 2021, , .		7
23	Resilient Wide-Area Damping Controller Design Using Crow Search Algorithm. IFAC-PapersOnLine, 2022, 55, 938-943.	0.9	7
24	Computing the Load Margin of Power Systems Using Particle Swarm Optimization. , 2021, , .		5
25	Selecting the Input-Output Signals for Fault-Tolerant Wide-Area Damping Control Design. , 2021, , .		4
26	Computing the Worst Case Scenario for Electric Power System Dynamic Security Assessment. , 2019, , .		4
27	Combining Strategies to Compute the Loadability Margin in Dynamic Security Assessment of Power Systems. , 2021, , .		4
28	Load Margin Assessment of Power Systems Using Artificial Neural Network and Genetic Algorithms. IFAC-PapersOnLine, 2022, 55, 944-948.	0.9	4
29	A New PMU Placement Method for the Assessment of the Voltage Stability Margin. , 2019, , .		3
30	Computing the Load Margin of Power Systems Using Crow Search Algorithm. IFAC-PapersOnLine, 2022, 55, 271-275.	0.9	3
31	A control scheme for mitigation of DFIG oscillatory behavior related to FIDVR problem. , 2016, , .		1
32	Procedure to account for DG mandatory disconnection during voltage stability assessment. , 2017, , .		1
33	Robustness Evaluation of a WAMPAC Scheme Considering Problems with Communication Links. , 2021, , .		1
34	Evaluation of Time Delay Intervals in the Wide-Area Damping Controller Design. , 2020, , .		0