

Mario Russo

List of Publications by Year in descending order

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52
papers

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all docs

52
docs citations

52
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordinated Optimization for Zone-Based Voltage Control in Distribution Grids. IEEE Transactions on Industry Applications, 2022, 58, 173-184.	3.3	14
2	An Overview on Functional Integration of Hybrid Renewable Energy Systems in Multi-Energy Buildings. Energies, 2021, 14, 1078.	1.6	29
3	Decentralized Voltage Control in Active Distribution Systems: Features and Open Issues. Energies, 2021, 14, 2563.	1.6	12
4	A staticâ€commutated device to contain voltage variations for lowâ€voltage active users. IET Electric Power Applications, 2021, 15, 1095-1110.	1.1	3
5	Decentralized Voltage Optimization Based on the Auxiliary Problem Principle in Distribution Networks with DERs. Applied Sciences (Switzerland), 2021, 11, 4509.	1.3	6
6	A Decentralized Approach for Voltage Control by Multiple Distributed Energy Resources. IEEE Transactions on Smart Grid, 2021, 12, 3115-3127.	6.2	14
7	Tuning of multivariable PI robust controllers for the decentralized voltage regulation in grid-connected distribution networks with Distributed Generation. International Journal of Dynamics and Control, 2020, 8, 278-290.	1.5	8
8	Distributed Voltage Optimization based on the Auxiliary Problem Principle in Active Distribution Systems. , 2020, , .		5
9	Zone-Based Voltage Optimization in Distribution Grids with DGs. , 2020, , .		2
10	A Procedure to Determine the Droop Constants of Voltage Controllers Coping with Multiple DG Interactions in Active Distribution Systems. Energies, 2020, 13, 1935.	1.6	4
11	Decentralized Voltage Optimization based on Network Partitioning in Distribution Systems with DGs. , 2019, , .		2
12	Robust decentralized PI controllers design for voltage regulation in distribution networks with DG. Electric Power Systems Research, 2019, 172, 129-139.	2.1	9
13	Zoning Evaluation for Voltage Optimization in Distribution Networks with Distributed Energy Resources. Energies, 2019, 12, 390.	1.6	29
14	Linear method for steady-state analysis of radial distribution systems. International Journal of Electrical Power and Energy Systems, 2018, 99, 744-755.	3.3	47
15	Zoning Evaluation for Voltage Control in Smart Distribution Networks. , 2018, , .		10
16	Hardware-in-the-Loop Validation of Energy Management Systems for Microgrids: A Short Overview and a Case Study. Energies, 2018, 11, 2978.	1.6	4
17	Robust MIMO Design of Decentralized Voltage Controllers of PV Systems in Distribution Networks. IEEE Transactions on Industrial Electronics, 2017, 64, 4610-4620.	5.2	19
18	Sensitivity-Based Model of Low Voltage Distribution Systems with Distributed Energy Resources. Energies, 2016, 9, 801.	1.6	26

#	ARTICLE	IF	CITATIONS
19	MIMO design of voltage controllers for distributed generators. , 2016, , .		0
20	Decentralized voltage control of distributed generation using a distribution system structural MIMO model. Control Engineering Practice, 2016, 47, 81-90.	3.2	11
21	Islanding detection method based on a Thevenin-like model. IET Generation, Transmission and Distribution, 2015, 9, 1747-1754.	1.4	7
22	A New Protection System for Islanding Detection in LV Distribution Systems. Energies, 2015, 8, 3775-3793.	1.6	9
23	Computationally-efficient simulation of electric industrial plants. , 2015, , .		0
24	A smart device for islanding detection in distribution system operation. Electric Power Systems Research, 2015, 120, 87-95.	2.1	13
25	Optimal reactive power control of distribution feeders with distributed energy resources: Interaction analysis and validation. , 2014, , .		1
26	Testing New Reactive Power Control of DERs by Real-Time Simulation. International Journal of Emerging Electric Power Systems, 2014, 15, 151-159.	0.6	1
27	Smart DER control for minimizing power losses in distribution feeders. Electric Power Systems Research, 2014, 109, 71-79.	2.1	8
28	DSOs and active demand: Address project outcomes and perspectives. , 2013, , .		1
29	Design of decentralized robust controller for voltage regulation and stabilization of multimachine power systems. International Journal of Control, Automation and Systems, 2013, 11, 277-285.	1.6	7
30	Decentralized Control of Distributed Generation for Voltage Profile Optimization in Smart Feeders. IEEE Transactions on Smart Grid, 2013, 4, 1586-1596.	6.2	70
31	Enhancing distribution networks to evolve toward smart grids: The voltage control problem. , 2013, , .		3
32	Smart modeling and tools for Distribution System Management and operation. , 2012, , .		24
33	Controller design for voltage regulation and stabilization in multimachine power systems. , 2012, , .		0
34	Performance evaluation of a DG voltage controller for smart grids. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 49-54.	0.4	0
35	Decentralised voltage regulation in smart grids using reactive power from renewable DG. , 2012, , .		5
36	Photovoltaic generator modelling to improve numerical robustness of EMT simulation. Electric Power Systems Research, 2012, 83, 136-143.	2.1	11

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37	A straightforward design of decentralized controllers for multimachine power systems. , 2011, , .		0
38	Modeling Guidelines and a Benchmark for Power System Simulation Studies of Three-Phase Single-Stage Photovoltaic Systems. IEEE Transactions on Power Delivery, 2011, 26, 1247-1264.	2.9	301
39	Nonlinear control design for excitation controller and power system stabilizer. Control Engineering Practice, 2011, 19, 243-251.	3.2	18
40	Robust design of excitation controller for transient stability and voltage regulation in power systems. , 2010, , .		0
41	Adaptive Voltage Regulator Design for Synchronous Generator. IEEE Transactions on Energy Conversion, 2008, 23, 946-956.	3.7	26
42	On the relevance of reliability assessment for wind farm performance evaluation. , 2008, , .		2
43	A nonlinear control of synchronous generator excitation for voltage regulation in power systems. , 2008, , .		3
44	A simulation tool for voltage control studies in power systems. Mathematical and Computer Modelling of Dynamical Systems, 2008, 14, 127-145.	1.4	4
45	Generalized Minimum Variance Implicit Self-tuning Nodal Voltage Regulation in Power Systems with Pole-assignment Technique. , 2006, , .		0
46	DISCRETE-TIME MODEL REFERENCE ADAPTIVE REGULATION OF NODAL VOLTAGE AMPLITUDE IN POWER SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 107-112.	0.4	0
47	Direct Adaptive Nodal Voltage Regulation in Electrical Power Systems. , 2006, , .		0
48	Economical considerations about combined cycle power plant control in deregulated markets. International Journal of Electrical Power and Energy Systems, 2006, 28, 284-292.	3.3	6
49	NODAL VOLTAGE CONTROL IN POWER SYSTEMS BASED ON THE MODEL-REFERENCE ADAPTIVE APPROACH. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 103-108.	0.4	0
50	Performance of an Adaptive Voltage Regulator Adopting Different Identification Algorithms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 295-300.	0.4	0
51	Adaptive voltage regulator design for static VAR systems. Control Engineering Practice, 2001, 9, 759-767.	3.2	8
52	DistOpt: A Software Framework for Modeling and Evaluating Optimization Problem Solutions in Distributed Environments. Journal of Parallel and Distributed Computing, 2000, 60, 741-763.	2.7	12