Friederich Kupzog

List of Publications by Year
in descending order

24 papers	225 citations	1478505 6 h-index	1125743 13 g-index
25 all docs	25 docs citations	25 times ranked	295 citing authors

#	ARTICLE	IF	CITATIONS
1	Scalability and Replicability Analysis of Grid Management Services in Low Voltage Networks in Local Flexibility Markets: an InterFlex analysis. , 2021, , .		1
2	Stratified Control Applied to a Three-Phase Unbalanced Low Voltage Distribution Grid in a Local Peer-to-Peer Energy Community. Energies, 2021, 14, 3290.	3.1	3
3	The Impact of Virtualisation Techniques on Power System Control Networks. Electronics (Switzerland), 2020, 9, 1433.	3.1	3
4	The role of IT in energy systems: the digital revolution as part of the problem or part of the solution. Elektrotechnik Und Informationstechnik, 2020, 137, 341-345.	1.1	5
5	Three-Phase Unbalanced Optimal Power Flow Using Holomorphic Embedding Load Flow Method. Sustainability, 2019, 11, 1774.	3.2	16
6	Grid Based Routing - VirtueGrid SDN Whitepaper. , 2018, , .		1
7	Phase Balancing Home Energy Management System Using Model Predictive Control. Energies, 2018, 11, 3323.	3.1	10
8	Large Scale Rollout of Smart Grid Services. , 2018, , .		7
9	Tracking of Aging Processes in Power Electronic Converters Using the Rainflow Method. , 2018, , .		1
10	SGAM-Based Comparative Study of Interoperability Challenges in European Flexibility Demonstrators: Methodology And Results. , 2018, , .		5
11	Hierarchical Predictive Load Control in Smart Grids. IEEE Transactions on Smart Grid, 2017, 8, 190-199.	9.0	22
12	Managing data and complexity in energy systems. Computer Science - Research and Development, 2017, 32, 1-2.	2.7	2
13	Provisioning, deployment, and operation of smart grid applications on substation level. Computer Science - Research and Development, 2017, 32, 117-130.	2.7	18
14	Interaction of smart grid applications supporting Plug & Automate for intelligent secondary substations. CIRED - Open Access Proceedings Journal, 2017, 2017, 1257-1260.	0.1	5
15	Towards secure and resilient networked power distribution grids: Process and tool adoption. , 2016, , .		8
16	Cyber-Secure and Resilient Architectures for Industrial Control Systems. , 2015, , 149-183.		5
17	Experimental sensitivity analysis of low voltage control strategies on communication properties. , 2015, , .		1
18	Maximising low voltage grid hosting capacity for PV and electric mobility by distributed voltage control. Elektrotechnik Und Informationstechnik, 2014, 131, 188-192.	1.1	5

#	Article	IF	Citations
19	Interfacing Vehicle Charging Systems with User and Grid Requirements. Informatik-Spektrum, 2013, 36, 27-34.	1.3	2
20	Smart Grids. Annual Review of Environment and Resources, 2013, 38, 201-226.	13.4	52
21	Hierarchical application of model-predictive control for efficient integration of active buildings into low voltage grids. , 2013, , .		5
22	Rapid control prototyping platform for networked smart grid systems. , 2013, , .		19
23	Demand Side Management for Stand-Alone Hybrid Power Systems Based on Load Identification. Energies, 2012, 5, 4517-4532.	3.1	19
24	Demand response with functional buildings using simplified process models. , 2011, , .		10