

Florin Iov

List of Publications by Year in descending order

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51
papers

1,630
citations

623734

14
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	A Study of Load Imbalance Influence on Power Quality Assessment for Distribution Networks. <i>Electricity</i> , 2021, 2, 77-90.	2.8	30
2	Three-Phase State Estimation for Distribution-Grid Analytics. <i>Clean Technologies</i> , 2021, 3, 395-408.	4.2	3
3	Towards Renewable-Dominated Power Systems Considering Long-Term Uncertainties: Case Study of Las Palmas. <i>Energies</i> , 2021, 14, 3317.	3.1	6
4	Experimental Validation and Deployment of Observability Applications for Monitoring of Low-Voltage Distribution Grids. <i>Sensors</i> , 2021, 21, 5770.	3.8	6
5	On the Use of Common Information Model for Smart Grid Applications – A Conceptual Approach. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 5060-5072.	9.0	9
6	Propagation of Voltage Sags and Under-voltages through Scott Transformers. , 2021, , .		1
7	On the Participation of Power-To-Heat Assets in Frequency Regulation Markets – A Danish Case Study. <i>Energies</i> , 2020, 13, 4608.	3.1	10
8	Smart Meter Measurement-Based State Estimation for Monitoring of Low-Voltage Distribution Grids. <i>Energies</i> , 2020, 13, 5367.	3.1	13
9	On the trade-off between timeliness and accuracy for low voltage distribution system grid monitoring utilizing smart meter data. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 121, 106090.	5.5	22
10	Flexible Platform for the Study and Testing of Smart Energy Systems Enabling-Technologies. , 2020, , .		4
11	A Model-Based Design Approach for Stability Assessment, Control Tuning and Verification in Off-Grid Hybrid Power Plants. <i>Energies</i> , 2020, 13, 49.	3.1	9
12	A Novel Control Architecture for Hybrid Power Plants to Provide Coordinated Frequency Reserves. <i>Energies</i> , 2019, 12, 919.	3.1	12
13	Validating Performance Models for Hybrid Power Plant Control Assessment. <i>Energies</i> , 2019, 12, 4330.	3.1	9
14	Active power reference tracking in electricity distribution grids over non-ideal communication networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 102, 122-130.	5.5	2
15	Distributed flexibility management targeting energy cost and total power limitations in electricity distribution grids. <i>Sustainable Energy, Grids and Networks</i> , 2018, 14, 35-46.	3.9	9
16	Battery Storage-Based Frequency Containment Reserves in Large Wind Penetrated Scenarios: A Practical Approach to Sizing. <i>Energies</i> , 2018, 11, 3065.	3.1	22
17	ICT Requirements and Challenges for Provision of Grid Services from Renewable Generation Plants. , 2018, , .		2
18	Power and Energy Management with Battery Storage for a Hybrid Residential PV-Wind System – A Case Study for Denmark. <i>Energy Procedia</i> , 2018, 155, 464-477.	1.8	50

#	ARTICLE	IF	CITATIONS
19	ICT Based HIL Validation of Voltage Control Coordination in Smart Grids Scenarios. Energies, 2018, 11, 1327.	3.1	1
20	ICT Based Performance Evaluation of Primary Frequency Control Support from Renewable Power Plants in Smart Grids. Energies, 2018, 11, 1329.	3.1	6
21	Design and tuning of wind power plant voltage controller with embedded application of wind turbines and STATCOMs. IET Renewable Power Generation, 2017, 11, 216-225.	3.1	11
22	Observability of low voltage grids: Actual DSOs challenges and research questions. , 2017, , .		14
23	Distributed voltage control coordination between renewable generation plants in MV distribution grids. CIRED - Open Access Proceedings Journal, 2017, 2017, 1038-1042.	0.1	3
24	DiSC-OPAL: A simulation framework for real-time assessment of distribution grids. , 2017, , .		4
25	On the impact of cyberattacks on voltage control coordination by ReGen plants in smart grids. , 2017, , .		9
26	Provision of enhanced ancillary services from wind power plants â€“ Examples and challenges. Renewable Energy, 2016, 97, 8-18.	8.9	27
27	Adaptive voltage control strategy for variableâ€“speed wind turbine connected to a weak network. IET Renewable Power Generation, 2016, 10, 238-249.	3.1	32
28	On-line configuration of network emulator for intelligent energy system testbed applications. , 2015, , .		1
29	Smart grid control and communication: The SmartC2net Real-Time HIL approach. , 2015, , .		9
30	Influence of resolution of the input data on distributed generation integration studies. , 2014, , .		3
31	Implementation of PLL and FLL trackers for signals with high harmonic content and low sampling frequency. , 2014, , .		9
32	Smart control of energy distribution grids over heterogeneous communication networks. , 2014, , .		2
33	Instability of Wind Turbine Converters During Current Injection to Low Voltage Grid Faults and PLL Frequency Based Stability Solution. IEEE Transactions on Power Systems, 2014, 29, 1683-1691.	6.5	238
34	Analysis of the short-term overproduction capability of variable speed wind turbines. Renewable Energy, 2014, 68, 326-336.	8.9	65
35	Impact of wind power plant reactive current injection during asymmetrical grid faults. IET Renewable Power Generation, 2013, 7, 484-492.	3.1	34
36	Transient stability with grid connection and wind turbine drive-train effects. , 2009, , .		1

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37	Power Flow Control Through the UNIFLEX-PM Under Different Network Conditions. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 32-41.	0.7	3
38	Power electronics and control for wind power systems. , 2009, , .		18
39	Short-Circuit Analysis of the UNIFLEX-PM Using Stationary and Natural Reference Frame Control. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 42-50.	0.7	3
40	Power flow control through a multi-level H-bridge based power converter for Universal and Flexible Power Management in future electrical grids. , 2008, , .		21
41	Hysteretic current controlled ZVS dc/dc converter for automobiles. , 2007, , .		1
42	Co-ordinated voltage control of DFIG wind turbines in uninterrupted operation during grid faults. Wind Energy, 2007, 10, 51-68.	4.2	87
43	Power Electronics in Renewable Energy Systems. , 2006, , .		44
44	Modeling and Control of VSC Based DC Connection for Active Stall Wind Farms to Grid. IEEE Transactions on Industry Applications, 2006, 126, 622-629.	0.2	5
45	Grid support of a wind farm with active stall wind turbines and AC grid connection. Wind Energy, 2006, 9, 341-359.	4.2	16
46	Centralised power control of wind farm with doubly fed induction generators. Renewable Energy, 2006, 31, 935-951.	8.9	382
47	Control of Variable Speed Wind Turbines with Doubly-Fed Induction Generators. Wind Engineering, 2004, 28, 411-432.	1.9	133
48	Review of Contemporary Wind Turbine Concepts and Their Market Penetration. Wind Engineering, 2004, 28, 247-263.	1.9	167
49	Analysis of a variable-speed wind energy conversion scheme with doubly-fed induction generator. International Journal of Electronics, 2003, 90, 779-794.	1.4	9
50	Initialisation of Grid-Connected Wind Turbine Models in Power-System Simulations. Wind Engineering, 2003, 27, 21-38.	1.9	25
51	Grid Code Compliance of Grid-Side Converter in Wind Turbine Systems. , 0, , .		28