

Vincent G Mazauric

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

382
citations

1040056

9
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasible path toward 40%–100% renewable energy shares for power supply in France by 2050: A prospective analysis. <i>Applied Energy</i> , 2016, 171, 501-522.	10.1	66
2	Impacts of intermittent sources on the quality of power supply: The key role of reliability indicators. <i>Applied Energy</i> , 2014, 116, 333-343.	10.1	52
3	Reprint of Feasible path toward 40%–100% renewable energy shares for power supply in France by 2050: A prospective analysis. <i>Applied Energy</i> , 2016, 184, 1529-1550.	10.1	50
4	Embedding power system's reliability within a long-term Energy System Optimization Model: Linking high renewable energy integration and future grid stability for France by 2050. <i>Applied Energy</i> , 2020, 257, 114037.	10.1	49
5	Increasing shares of intermittent sources in Reunion Island: Impacts on the future reliability of power supply. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 46, 120-128.	16.4	46
6	Maximizing intermittency in 100% renewable and reliable power systems: A holistic approach applied to Reunion Island in 2030. <i>Applied Energy</i> , 2018, 227, 332-341.	10.1	41
7	Expanding Renewable Energy by Implementing Demand Response. <i>Energy Procedia</i> , 2014, 61, 1844-1847.	1.8	28
8	Expanding Renewable Energy by Implementing Dynamic Support through Storage Technologies. <i>Energy Procedia</i> , 2014, 61, 2000-2003.	1.8	16
9	A global approach of electromagnetism dedicated to further long-term planning. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007, 7, 2130003-2130004.	0.2	12
10	Reliability-constrained scenarios with increasing shares of renewables for the French power sector in 2050. <i>Energy Procedia</i> , 2017, 142, 3041-3048.	1.8	7
11	Enhancing Quasi-Static Modeling: A Claim for Electric Field Computation. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 1629-1632.	2.1	3
12	From Galilean Covariance to Maxwell Equations: Back to the Quasi-Static Regimes. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	3
13	Power System Synchronism in Planning Exercises: From Kuramoto Lattice Model to Kinetic Energy Aggregation. <i>Energy Procedia</i> , 2017, 105, 2712-2717.	1.8	3
14	A lattice-based representation of power systems dedicated to synchronism analysis. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 59, 1049-1056.	0.6	3
15	From centralized to decentralized power systems: The shift on finitude constraints. <i>Energy Procedia</i> , 2019, 158, 4262-4267.	1.8	2
16	Time reconciliation and space aggregation to shed light on the plausibility of long-term low carbon pathways for power systems. , 2016, , .		1
17	Adaptive Meshing for Eddy Current Calculations. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	0
18	A Magnetodynamic Error Criterion and an Adaptive Meshing Strategy for Eddy Current Evaluation. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	2.1	0

#	ARTICLE	IF	CITATIONS
19	Basic magnetic formulation for power grid planning. , 2018, , .		0
20	Optimal approaches to manage power system decarbonation. International Journal of Applied Electromagnetics and Mechanics, 2020, 64, 1447-1452.	0.6	0