Matteo De Felice

List of Publications by Year
in descending order

40 papers	1,024 citations	516215 16 h-index	433756 31 g-index
49 all docs	49 docs citations	49 times ranked	1431 citing authors

#	Article	IF	Citations
1	Short-Term Load Forecasting with Neural Network Ensembles: A Comparative Study [Application Notes]. IEEE Computational Intelligence Magazine, 2011, 6, 47-56.	3.4	118
2	Seasonal climate forecasts for medium-term electricity demand forecasting. Applied Energy, 2015, 137, 435-444.	5.1	113
3	Data-driven upscaling methods for regional photovoltaic power estimation and forecast using satellite and numerical weather prediction data. Solar Energy, 2017, 158, 1026-1038.	2.9	90
4	Multi-Model Ensemble for day ahead prediction of photovoltaic power generation. Solar Energy, 2016, 134, 132-146.	2.9	86
5	Electricity demand forecasting over Italy: Potential benefits using numerical weather prediction models. Electric Power Systems Research, 2013, 104, 71-79.	2.1	70
6	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. Scientific Reports, 2014, 4, 7211.	1.6	64
7	Short-term predictability of photovoltaic production over Italy. Renewable Energy, 2015, 80, 197-204.	4.3	49
8	Deterministic and Stochastic Approaches for Day-Ahead Solar Power Forecasting. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.1	38
9	Forecasting short-term electricity consumption using a semantics-based genetic programming framework: The South Italy case. Energy Economics, 2015, 47, 37-41.	5.6	34
10	Status Quo of the Air-Conditioning Market in Europe: Assessment of the Building Stock. Energies, 2017, 10, 1253.	1.6	34
11	Overcoming the disconnect between energy system and climate modeling. Joule, 2022, 6, 1405-1417.	11.7	31
12	Future development of the air—conditioning market in Europe: an outlook until 2020. Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 649-669.	1.9	25
13	Remote sensing for monitoring and mapping Land Productivity in Italy: A rapid assessment methodology. Catena, 2020, 188, 104375.	2.2	24
14	Photovoltaic generation forecast for power transmission scheduling: A real case study. Solar Energy, 2018, 174, 976-990.	2.9	23
15	Soft computing based optimization of combined cycled power plant start-up operation with fitness approximation methods. Applied Soft Computing Journal, 2011, 11, 4110-4116.	4.1	21
16	Multi-scale enhancement of climate prediction over land by increasing the model sensitivity to vegetation variability in EC-Earth. Climate Dynamics, 2017, 49, 1215-1237.	1.7	21
17	Creating a proof-of-concept climate service to assess future renewable energy mixes in Europe: An overview of the C3S ECEM project. Advances in Science and Research, 0, 15, 191-205.	1.0	21
18	Ambient temperature modelling with soft computing techniques. Solar Energy, 2010, 84, 1264-1272.	2.9	15

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19	Residual load probabilistic forecast for reserve assessment: A real case study. Renewable Energy, 2020, 149, 508-522.	4.3	15
20	Observationally based analysis of land–atmosphere coupling. Earth System Dynamics, 2016, 7, 251-266.	2.7	13
21	Water-energy nexus in African power pools – The Dispa-SET Africa model. Energy, 2021, 228, 120623.	4.5	12
22	Design of Robust Space Trajectories. , 2011, , 341-354.		11
23	Reconstruction of Multidecadal Country-Aggregated Hydro Power Generation in Europe Based on a Random Forest Model. Energies, 2020, 13, 1786.	1.6	10
24	Scoping the potential usefulness of seasonal climate forecasts for solar power management. Renewable Energy, 2019, 142, 215-223.	4.3	9
25	Varying snow and vegetation signatures of surface albedo feedback on the Northern Hemisphere land warming. Environmental Research Letters, 0, , .	2.2	9
26	Dynamical Modeling and Parameter Identification of Seismic Isolation Systems by Evolution Strategies. Studies in Computational Intelligence, 2013, , 101-118.	0.7	8
27	Combining Back-Propagation and Genetic Algorithms to Train Neural Networks for Ambient Temperature Modeling in Italy. Lecture Notes in Computer Science, 2009, , 123-131.	1.0	7
28	Neural networks ensembles for short-term load forecasting. , 2011, , .		6
29	Start-Up Optimisation of a Combined Cycle Power Plant with Multiobjective Evolutionary Algorithms. Lecture Notes in Computer Science, 2010, , 151-160.	1.0	6
30	Optimizing the start-up operations of combined cycle power plants using soft computing methods. Logic Journal of the IGPL, 2012, 20, 648-656.	1.3	5
31	Approximate analytic solutions to the isothermal Lane–Emden equation. Celestial Mechanics and Dynamical Astronomy, 2014, 118, 291-298.	0.5	5
32	Constructing analytic approximate solutions to the Lane–Emden equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1802-1807.	0.9	4
33	Grand European and Asian-Pacific multi-model seasonal forecasts: maximization of skill and of potential economical value to end-users. Climate Dynamics, 2018, 50, 2719-2738.	1.7	3
34	Evolving Complex Neural Networks. Lecture Notes in Computer Science, 2007, , 194-205.	1.0	3
35	Effect of topology on diversity of spatially-structured evolutionary algorithms. , 2011, , .		2
36	Soft Computing Techniques for Internet Backbone Traffic Anomaly Detection. Lecture Notes in Computer Science, 2009, , 99-104.	1.0	2

#	ARTICLE	IF	CITATIONS
37	A Study of Nature-Inspired Methods for Financial Trend Reversal Detection. Lecture Notes in Computer Science, 2010, , 161-170.	1.0	2
38	A Comparison between Nature-Inspired and Machine Learning Approaches to Detecting Trend Reversals in Financial Time Series. Studies in Computational Intelligence, 2011, , 39-59.	0.7	1
39	Ambient Temperature Modelling through Traditional and Soft Computing Methods. Lecture Notes in Computer Science, 2008, , 322-328.	1.0	0
40	Electricity Demand Modelling with Genetic Programming. Lecture Notes in Computer Science, 2015, , 213-225.	1.0	0