

# Angelo Facchini

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,265  
citations

430754

18  
h-index

377752

34  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1549  
citing authors

#	ARTICLE	IF	CITATIONS
1	(So) Big Data and the transformation of the city. International Journal of Data Science and Analytics, 2021, 11, 311-340.	2.4	15
2	Complex systems applications to electric mobility and regional intermittent sources planning. , 2021, , 641-664.		1
3	The Urban Metabolism of Lima: Perspectives and Policy Indications for GHG Emission Reductions. Frontiers in Sustainable Cities, 2021, 2, .	1.2	1
4	A Data-driven approach to renewable energy source planning at regional level. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 1064-1075.	1.8	3
5	Trends and dynamics of material and energy flows in an urban context: a case study of a city with an emerging economy. Energy, Sustainability and Society, 2021, 11, .	1.7	4
6	Battery management for energy communitiesâ€™ Economic evaluation of an artificial intelligence-led system. Journal of Cleaner Production, 2021, 314, 128017.	4.6	9
7	New energy downstream. Emerging business models and innovative best practices: an economic, institutional, and behavioral focus. Energy Sources, Part B: Economics, Planning and Policy, 2021, 16, 971-975.	1.8	2
8	Integrating urban metabolism and life cycle assessment to analyse urban sustainability. Ecological Indicators, 2020, 112, 106074.	2.6	45
9	A multi-microgrid aging cost optimisation of battery storage systems in presence of fluctuating renewable energy sources. , 2019, , .		0
10	Portfolio analysis and geographical allocation of renewable sources: A stochastic approach. Energy Policy, 2019, 125, 154-159.	4.2	14
11	Changes to Gate Closure and its impact on wholesale electricity prices: The case of the UK. Energy Policy, 2019, 125, 110-121.	4.2	6
12	A Complex Network Approach for the Estimation of the Energy Demand of Electric Mobility. Scientific Reports, 2018, 8, 268.	1.6	24
13	Keeping global climate change within 1.5 Â°C through net negative electric cities. Current Opinion in Environmental Sustainability, 2018, 30, 18-25.	3.1	19
14	The Electric City as a Solution to Sustainable Urban Development. Journal of Urban Technology, 2018, 25, 3-20.	2.5	21
15	Optimal positioning of storage systems in microgrids based on complex networks centrality measures. Scientific Reports, 2018, 8, 16658.	1.6	13
16	A Statistical Approach for Modeling the Aging Effects in Li-Ion Energy Storage Systems. IEEE Access, 2018, 6, 42196-42206.	2.6	11
17	Complexity Science for Sustainable Smart Water Grids. Communications in Computer and Information Science, 2017, , 26-41.	0.4	2
18	The role of utilities in developing low carbon, electric megacities. Energy Policy, 2017, 106, 122-128.	4.2	23

#	ARTICLE	IF	CITATIONS
19	Distributed energy resources: Planning for the future. <i>Nature Energy</i> , 2017, 2, .	19.8	37
20	The energy metabolism of megacities. <i>Applied Energy</i> , 2017, 186, 86-95.	5.1	71
21	Aging Cost Optimization for Planning and Management of Energy Storage Systems. <i>Energies</i> , 2017, 10, 1916.	1.6	17
22	A genetic algorithm approach for the identification of microgrids partitioning into distribution networks. , 2017, , .		11
23	A generation-attraction model for renewable energy flows in Italy: A complex network approach. <i>European Physical Journal: Special Topics</i> , 2016, 225, 1913-1927.	1.2	3
24	Urban Development and Energy Access in Informal Settlements. A Review for Latin America and Africa. <i>Procedia Engineering</i> , 2016, 161, 2093-2099.	1.2	24
25	Energy and material flows of megacities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5985-5990.	3.3	371
26	Developing a multi-layered indicator set for urban metabolism studies in megacities. <i>Ecological Indicators</i> , 2014, 47, 7-15.	2.6	89
27	Recurrence Methods for the Identification of Morphogenetic Patterns. <i>PLoS ONE</i> , 2013, 8, e73686.	1.1	4
28	Recurrence Indicators for the Estimation of Characteristic Size and Frequency of Spatial Patterns. , 2013, , 209-217.		0
29	Recurrence indicators for the identification of spatial patterns. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 1737-1742.	0.4	0
30	Load forecasting for active distribution networks. , 2011, , .		29
31	Comparison of recurrence quantification methods for the analysis of temporal and spatial chaos. <i>Mathematical and Computer Modelling</i> , 2011, 53, 1535-1545.	2.0	33
32	FILLING GAPS IN ECOLOGICAL TIME SERIES BY MEANS OF TWIN SURROGATES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 1085-1097.	0.7	5
33	Identifying the dynamics of complex spatio-temporal systems by spatial recurrence properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8097-8102.	3.3	29
34	Universal fluctuations in tropospheric radar measurements. <i>Europhysics Letters</i> , 2010, 89, 20006.	0.7	9
35	Generalized recurrence plots for the analysis of images from spatially distributed systems. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 162-169.	1.3	19
36	Simpler methods do it better: Success of Recurrence Quantification Analysis as a general purpose data analysis tool. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3753-3756.	0.9	58

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37	Spatial recurrence strategies reveal different routes to Turing pattern formation in chemical systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 4266-4272.	0.9	13
38	Low dimensional features of the Hamiltonian Mean Field model. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
39	Effect of Mental Imagery on the Development of Skilled Motor Actions. <i>Perceptual and Motor Skills</i> , 2007, 105, 803-826.	0.6	44
40	Emergy as a function of exergy. <i>Energy</i> , 2007, 32, 1158-1162.	4.5	85
41	Multifractal fluctuations in the survival probability of an open quantum system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 266-274.	1.2	9
42	Nonlinear time series analysis of dissolved oxygen in the Orbetello Lagoon (Italy). <i>Ecological Modelling</i> , 2007, 203, 339-348.	1.2	49
43	Experimental evidences for chaotic dynamics in the vocalizations of the humpback whale megaptera novaeangliae. <i>International Journal of Ecodynamics</i> , 2006, 1, 180-188.	0.4	0
44	Relating pain intensity of newborns to onset of nonlinear phenomena in cry recordings. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 338, 332-337.	0.9	20
45	Characterization of chaotic dynamics in the vocalization of <i>Cervus elaphus corsicanus</i> (L). <i>Journal of the Acoustical Society of America</i> , 2003, 114, 3040-3043.	0.5	14