

John Boland

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7723168/john-boland-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136
papers

3,215
citations

29
h-index

53
g-index

150
ext. papers

3,865
ext. citations

5.4
avg, IF

5.79
L-index

#	Paper	IF	Citations
136	Forecasting of Wind and Solar Farm Output in the Australian National Electricity Market: A Review. <i>Energies</i> , 2022 , 15, 370	3.1	1
135	The role of residential tree arrangement: A scoping review of energy efficiency in temperate to subtropical climate zones. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 158, 112155	16.2	0
134	Potential residential tree arrangement to optimise dwelling energy efficiency. <i>Energy and Buildings</i> , 2022 , 261, 111962	7	1
133	Stormwater runoff reduction benefits of distributed curbside infiltration devices in an urban catchment.. <i>Water Research</i> , 2022 , 215, 118273	12.5	1
132	Analyzing the impact of hydrological storage and connected impervious area on the performance of distributed kerbside infiltration systems in an urban catchment. <i>Journal of Hydrology</i> , 2022 , 608, 127625	6	5
131	Characterizing the Stormwater Runoff Quality and Evaluating the Performance of Curbside Infiltration Systems to Improve Stormwater Quality of an Urban Catchment. <i>Water (Switzerland)</i> , 2022 , 14, 14	3	1
130	Time series model for real-time forecasting of Australian photovoltaic solar farms power output. <i>Journal of Renewable and Sustainable Energy</i> , 2021 , 13, 046102	2.5	2
129	A proposed long-term thermal comfort scale. <i>Building Research and Information</i> , 2021 , 49, 661-678	4.3	1
128	Impacts of urban form and urban heat island on the outdoor thermal comfort: a pilot study on Mashhad. <i>International Journal of Biometeorology</i> , 2021 , 65, 1101-1117	3.7	2
127	Probabilistic Forecasting of Wind and Solar Farm Output. <i>Energies</i> , 2021 , 14, 5154	3.1	1
126	Evaluating the Performance of a Hydrological Model to Represent Curbside Distributed Infiltration Wells in a Residential Catchment. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021 , 26, 04021027	1.8	3
125	Value of deterministic day-ahead forecasts of PV generation in PV + Storage operation for the Australian electricity market. <i>Solar Energy</i> , 2021 , 224, 672-684	6.8	5
124	Short-Term Deterministic Solar Irradiance Forecasting Considering a Heuristics-Based, Operational Approach. <i>Energies</i> , 2021 , 14, 6005	3.1	1
123	Forecasting intra-hour variance of photovoltaic power using a new integrated model. <i>Energy Conversion and Management</i> , 2021 , 245, 114569	10.6	12
122	Assessing one-minute diffuse fraction models based on worldwide climate features. <i>Renewable Energy</i> , 2021 , 177, 700-714	8.1	2
121	Principles and Key Applications: Principles and Applications of Synthetic Solar Irradiance 2021 , 1-32		1
120	Verification of deterministic solar forecasts. <i>Solar Energy</i> , 2020 , 210, 20-37	6.8	63

119	Quantification of indirect waste generation and treatment arising from Australian household consumption: A waste input-output analysis. <i>Journal of Cleaner Production</i> , 2020 , 258, 120935	10.3	3
118	Characterising Seasonality of Solar Radiation and Solar Farm Output. <i>Energies</i> , 2020 , 13, 471	3.1	5
117	Climate change adaptation and carbon emissions in green urban spaces: Case study of Adelaide. <i>Journal of Cleaner Production</i> , 2020 , 254, 120035	10.3	16
116	On the use of BRL model for daily and hourly solar radiation components assessment in a semiarid climate. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	5
115	Towards an extended framework for the general dynamic theory of biogeography. <i>Journal of Biogeography</i> , 2020 , 47, 2554-2566	4.1	4
114	Passive activity observation (PAO) method to estimate outdoor thermal adaptation in public space: case studies in Australian cities. <i>International Journal of Biometeorology</i> , 2020 , 64, 231-242	3.7	8
113	Generation of synthetic solar datasets for risk analysis. <i>Solar Energy</i> , 2019 , 187, 212-225	6.8	5
112	Satellite-augmented diffuse solar radiation separation models. <i>Journal of Renewable and Sustainable Energy</i> , 2019 , 11, 023705	2.5	28
111	Artificial neural network modeling and analysis of photovoltaic/thermal system based on the experimental study. <i>Energy Conversion and Management</i> , 2019 , 186, 368-379	10.6	63
110	Scenario generation and probabilistic forecasting analysis of spatio-temporal wind speed series with multivariate autoregressive volatility models. <i>Applied Energy</i> , 2019 , 239, 1226-1241	10.7	20
109	Relationship between Pb relative bioavailability and bioaccessibility in phosphate amended soil: Uncertainty associated with predicting Pb immobilization efficacy using in vitro assays. <i>Environment International</i> , 2019 , 131, 104967	12.9	14
108	Assessing net energy consumption of Australian economy from 200405 to 201415: Environmentally-extended input-output analysis, structural decomposition analysis, and linkage analysis. <i>Applied Energy</i> , 2019 , 240, 766-777	10.7	25
107	Changes of waste generation in Australia: Insights from structural decomposition analysis. <i>Waste Management</i> , 2019 , 83, 142-150	8.6	8
106	Integrating climate change into meteorological weather data for building energy simulation. <i>Energy and Buildings</i> , 2019 , 183, 749-760	7	25
105	Diffuse fraction estimation using the BRL model and relationship of predictors under Chilean, Costa Rican and Australian climatic conditions. <i>Renewable Energy</i> , 2019 , 136, 1091-1106	8.1	8
104	Resolution of the cloud enhancement problem for one-minute diffuse radiation prediction. <i>Renewable Energy</i> , 2018 , 125, 472-484	8.1	26
103	Development of robust meteorological year weather data. <i>Renewable Energy</i> , 2018 , 118, 343-350	8.1	11
102	Heat stress-resistant building design in the Australian context. <i>Energy and Buildings</i> , 2018 , 158, 290-299	7	26

101	Limits of thermal adaptation in cities: outdoor heat-activity dynamics in Sydney, Melbourne and Adelaide. <i>Architectural Science Review</i> , 2018 , 61, 191-201	2.6	17
100	Performance Analysis for One-Step-Ahead Forecasting of Hybrid Solar and Wind Energy on Short Time Scales. <i>Energies</i> , 2018 , 11, 1119	3.1	7
99	Estimating effective dust particle size from satellite observations. <i>Remote Sensing Applications: Society and Environment</i> , 2018 , 11, 186-197	2.8	1
98	Dust Event Impact on Photovoltaic Systems : Role of humidity in soiling and self-cleaning 2018 ,		2
97	Nonparametric Conditional Heteroscedastic Hourly Probabilistic Forecasting of Solar Radiation. <i>J</i> , 2018 , 1, 174-191	1.9	4
96	A decision-making tool for determination of storage capacity in grid-connected PV systems. <i>Renewable Energy</i> , 2018 , 128, 299-304	8.1	10
95	Policy recommendations to increase urban heat stress resilience. <i>Urban Climate</i> , 2018 , 25, 51-63	6.8	19
94	Assessment of solid waste generation and treatment in the Australian economic system: A Closed Waste Supply-Use model. <i>Waste Management</i> , 2018 , 78, 346-355	8.6	9
93	Assessment of solar radiation components in Brazil using the BRL model. <i>Renewable Energy</i> , 2017 , 108, 569-580	8.1	20
92	Generating Synthetic Rainfall Total Using Multivariate Skew-t and Checkerboard Copula of Maximum Entropy. <i>Water Resources Management</i> , 2017 , 31, 1729-1744	3.7	3
91	Sustainability Challenges, Human Diet and Environmental Concerns 2017 , 48-77		0
90	Effects of Australian Economic Activities on Waste Generation and Treatment. <i>Recycling</i> , 2017 , 2, 12	3.2	4
89	Income Driven Patterns of the Urban Environment. <i>Sustainability</i> , 2017 , 9, 275	3.6	1
88	Small area estimation by multilevel models applied to the Vietnam Living Standards Surveys. <i>Statistical Journal of the IAOS</i> , 2017 , 33, 671-681	0.7	
87	Heat Resilience in Public Space and Its Applications in Healthy and Low Carbon Cities. <i>Procedia Engineering</i> , 2017 , 180, 944-954		9
86	The viability of electrical energy storage for low-energy households. <i>Solar Energy</i> , 2017 , 155, 1216-1224	6.8	24
85	Predictive Models for Photovoltaic Electricity Production in Hot Weather Conditions. <i>Energies</i> , 2017 , 10, 971	3.1	27
84	Short term solar radiation forecasting: Island versus continental sites. <i>Energy</i> , 2016 , 113, 186-192	7.9	29

83	Australian electricity market and price volatility. <i>Annals of Operations Research</i> , 2016 , 241, 357-372	3.2	3
82	Heat stress risk and resilience in the urban environment. <i>Sustainable Cities and Society</i> , 2016 , 26, 278-288	10.1	55
81	Estimating industrial solid waste and municipal solid waste data at high resolution using economic accounts: an input-output approach with Australian case study. <i>Journal of Material Cycles and Waste Management</i> , 2016 , 18, 677-686	3.4	24
80	Resilience to heat in public space: a case study of Adelaide, South Australia. <i>Journal of Environmental Planning and Management</i> , 2016 , 59, 1833-1854	2.8	24
79	Preliminary survey on site-adaptation techniques for satellite-derived and reanalysis solar radiation datasets. <i>Solar Energy</i> , 2016 , 132, 25-37	6.8	105
78	Are the Dietary Guidelines for Meat, Fat, Fruit and Vegetable Consumption Appropriate for Environmental Sustainability? A Review of the Literature 2016 , 263-280		
77	MODELLING AND SIMULATION OF VOLUMETRIC RAINFALL FOR A CATCHMENT IN THE MURRAY-DARLING BASIN. <i>ANZIAM Journal</i> , 2016 , 58, 119-142	0.5	3
76	Assessment of Heatwave Impacts. <i>Procedia Engineering</i> , 2016 , 169, 316-323		16
75	Nonparametric short-term probabilistic forecasting for solar radiation. <i>Solar Energy</i> , 2016 , 133, 465-475	6.8	51
74	Can the Excess Heat Factor Indicate Heatwave-Related Morbidity? A Case Study in Adelaide, South Australia. <i>EcoHealth</i> , 2016 , 13, 100-10	3.1	30
73	Maximising revenue via optimal control of a concentrating solar thermal power plant with limited storage capacity. <i>IET Renewable Power Generation</i> , 2016 , 10, 729-734	2.9	11
72	Drivers and barriers to heat stress resilience. <i>Science of the Total Environment</i> , 2016 , 571, 603-14	10.2	25
71	Understanding South Australian rainfall trends and step changes. <i>International Journal of Climatology</i> , 2015 , 35, 348-360	3.5	21
70	Estimating the potential for solar energy utilization in Chile by satellite-derived data and ground station measurements. <i>Solar Energy</i> , 2015 , 121, 139-151	6.8	56
69	Predicting Arsenic Relative Bioavailability Using Multiple in Vitro Assays: Validation of in Vivo-in Vitro Correlations. <i>Environmental Science & Technology</i> , 2015 , 49, 11167-75	10.3	26
68	Controlling stored energy in a concentrating solar thermal power plant to maximise revenue. <i>IET Renewable Power Generation</i> , 2015 , 9, 379-388	2.9	17
67	Impact of climate change on the design of energy efficient residential building envelopes. <i>Energy and Buildings</i> , 2015 , 87, 142-154	7	62
66	Artificial Neural Network models for estimating daily solar global UV, PAR and broadband radiant fluxes in an eastern Mediterranean site. <i>Atmospheric Research</i> , 2015 , 152, 138-145	5.4	33

65	Spatial-temporal forecasting of solar radiation. <i>Renewable Energy</i> , 2015 , 75, 607-616	8.1	39
64	Preliminary analysis on hybrid Box-Jenkins - GARCH modeling in forecasting gold price 2015 ,		4
63	Rescuing Food from the Organics Waste Stream to Feed the Food Insecure: An Economic and Environmental Assessment of Australian Food Rescue Operations Using Environmentally Extended Waste Input-Output Analysis. <i>Sustainability</i> , 2015 , 7, 4707-4726	3.6	50
62	Retrofitting Precincts for Heatwave Resilience: Challenges and Barriers in Australian Context. <i>Challenges</i> , 2015 , 6, 3-25	3.4	7
61	Policy insights from a green supply chain optimisation model. <i>International Journal of Production Research</i> , 2015 , 53, 6522-6533	7.8	59
60	Evaluation of the environmental impact of weekly food consumption in different socio-economic households in Australia using environmentally extended input-output analysis. <i>Ecological Economics</i> , 2015 , 111, 58-64	5.6	43
59	Validation of the predictive capabilities of the Sbrc-G in vitro assay for estimating arsenic relative bioavailability in contaminated soils. <i>Environmental Science & Technology</i> , 2014 , 48, 12962-9	10.3	43
58	Post-processing of solar irradiance forecasts from WRF model at Reunion Island. <i>Solar Energy</i> , 2014 , 105, 99-108	6.8	64
57	Perceptions of Landscape and the Interplay between Rainfall and Vegetation. <i>AlterNative</i> , 2014 , 10, 462-477		1
56	Are the dietary guidelines for meat, fat, fruit and vegetable consumption appropriate for environmental sustainability? A review of the literature. <i>Nutrients</i> , 2014 , 6, 2251-65	6.7	82
55	Rainfall Enhances Vegetation Growth but Does the Reverse Hold?. <i>Water (Switzerland)</i> , 2014 , 6, 2127-2143		
54	Solar Energy Resource Assessment in Chile: Satellite Estimation and Ground Station Measurement. <i>Energy Procedia</i> , 2014 , 57, 1257-1265	2.3	8
53	A Waste Supply-Use Analysis of Australian Waste Flows. <i>Journal of Economic Structures</i> , 2014 , 3,	3.2	23
52	DEVELOPING AGE-SIZE RELATIONSHIPS FOR LONG LIVED TREE SPECIES. <i>Journal of Biological Systems</i> , 2014 , 22, 309-326	1.6	
51	Estimating informal household food waste in developed countries: the case of Australia. <i>Waste Management and Research</i> , 2014 , 32, 1254-8	4	37
50	Post-processing of Solar Irradiance Forecasts from WRF Model at Reunion Island. <i>Energy Procedia</i> , 2014 , 57, 1364-1373	2.3	11
49	FORECASTING WIND AND SOLAR ENERGY ON SHORT TIME SCALES. <i>Bulletin of the Australian Mathematical Society</i> , 2014 , 89, 173-174	0.4	1
48	Optimisation of Storage for Concentrated Solar Power Plants. <i>Challenges</i> , 2014 , 5, 473-503	3.4	6

47	Compiling and using input-output frameworks through collaborative virtual laboratories. <i>Science of the Total Environment</i> , 2014 , 485-486, 241-251	10.2	129
46	Analysis of Wind Farm Output: Estimation of Volatility Using High-Frequency Data. <i>Environmental Modeling and Assessment</i> , 2013 , 18, 481-492	2	7
45	Review of solar irradiance forecasting methods and a proposition for small-scale insular grids. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 27, 65-76	16.2	412
44	Forecasting solar radiation on an hourly time scale using a Coupled AutoRegressive and Dynamical System (CARDS) model. <i>Solar Energy</i> , 2013 , 87, 136-149	6.8	147
43	Bayesian statistical analysis applied to solar radiation modelling. <i>Renewable Energy</i> , 2013 , 49, 124-127	8.1	27
42	Evaluating tilted plane models for solar radiation using comprehensive testing procedures, at a southern hemisphere location. <i>Renewable Energy</i> , 2013 , 51, 124-131	8.1	33
41	Correlative coherence modelling of South Australian wind farms. <i>Renewable Energy</i> , 2013 , 52, 154-159	8.1	1
40	Decomposing global solar radiation into its direct and diffuse components. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 28, 749-756	16.2	53
39	Optimal Control of Age-structured Populations in Economy, Demography, and the Environment 2013 ,		3
38	School Students participation in monitoring solar radiation components: Preliminary results for UVB and UVA solar radiant fluxes. <i>Renewable Energy</i> , 2012 , 39, 367-374	8.1	12
37	Quasi-Latin designs. <i>Electronic Journal of Statistics</i> , 2012 , 6,	1.2	3
36	Achieving waiting list reform: a pilot program integrating waiting time, category and patient factors. <i>Australian Health Review</i> , 2012 , 36, 248-53	1.8	2
35	Climate Change on the Menu?: A Retrospective Look at the Development of South Australian Municipal Food Waste Policy. <i>International Journal of Climate Change: Impacts and Responses</i> , 2012 , 3, 101-112	1.3	3
34	Modelling of diffuse solar fraction with multiple predictors. <i>Renewable Energy</i> , 2010 , 35, 478-483	8.1	152
33	Comparing diffuse radiation models with one predictor for partitioning incident PAR radiation into its diffuse component in the eastern Mediterranean basin. <i>Renewable Energy</i> , 2010 , 35, 1820-1827	8.1	22
32	Generating Synthetic Rainfall on Various Timescales Daily, Monthly and Yearly. <i>Environmental Modeling and Assessment</i> , 2009 , 14, 431-438	2	18
31	Generation of Synthetic Sequences of Electricity Demand with Applications. <i>Profiles in Operations Research</i> , 2009 , 275-314	1	3
30	A MODEL TO DETECT GRAZING SENSITIVITY OF MYOPORUM PLATYCARPUM IN THE ARID RANGELANDS OF SOUTH AUSTRALIA. <i>Natural Resource Modelling</i> , 2008 , 19, 587-607	1.2	1

29	Recent advances in Modelling Diffuse Radiation 2008 , 2583-2587		
28	Generation of synthetic sequences of half-hourly temperature. <i>Environmetrics</i> , 2008 , 19, 818-835	1.3	16
27	Models of diffuse solar radiation. <i>Renewable Energy</i> , 2008 , 33, 575-584	8.1	120
26	Time Series Modelling of Solar Radiation 2008 , 283-312		24
25	Models of Diffuse Solar Fraction 2008 , 193-219		8
24	Generation of synthetic sequences of electricity demand: Application in South Australia. <i>Energy</i> , 2007 , 32, 2230-2243	7.9	33
23	The Mekong—applications of value at risk (VaR) and conditional value at risk (CVaR) simulation to the benefits, costs and consequences of water resources development in a large river basin. <i>Ecological Modelling</i> , 2007 , 201, 89-96	3	41
22	Matching the grade correlation coefficient using a copula with maximum disorder. <i>Journal of Industrial and Management Optimization</i> , 2007 , 3, 305-312	2	24
21	The economic contribution of seagrass to secondary production in South Australia. <i>Ecological Modelling</i> , 2006 , 196, 163-172	3	61
20	Estimation of the Thermal Sensitivity of a Dwelling to Variations in Architectural and Behavioural Parameters. <i>Environmental Modeling and Assessment</i> , 2003 , 8, 101-113	2	4
19	Investigation of the Influence of Seagrass on Fisheries Catch Level Using Isotonic Regression. <i>Environmental Modeling and Assessment</i> , 2003 , 8, 285-290	2	4
18	Stormwater Management in a Sequence of Interconnected Storage Systems 2002 , 1		
17	Influence of adhesive drapes on intraperitoneal volume and pressure during laparoscopy. <i>ANZ Journal of Surgery</i> , 2002 , 72, 553-6	1	3
16	The analytic solution of the differential equations describing heat flow in houses. <i>Building and Environment</i> , 2002 , 37, 1027-1035	6.5	8
15	Modelling the diffuse fraction of global solar radiation on a horizontal surface. <i>Environmetrics</i> , 2001 , 12, 103-116	1.3	89
14	The level of complexity needed for weather data in models of solar system performance. <i>Solar Energy</i> , 2001 , 71, 187-198	6.8	15
13	Stochastic Optimal Control of a Solar Car. <i>Applied Optimization</i> , 2001 , 71-81		
12	Modelling the diffuse fraction of global solar radiation on a horizontal surface 2001 , 12, 103		1

11	Development of a seagrassfish habitat model: A Seagrass Residency Index for economically important species. <i>Environmetrics</i> , 2000 , 11, 541-552	1.3	17
10	The Analytic Solution of the Differential Equations Describing Heat Flow in Houses 2000 , 27-32		
9	Interannual Variability of Meteorological Parameters in Temperate Climates 2000 , 353-361		1
8	Simplifying the solution of the differential equations which describe heat flows in domestic dwellings. <i>Building and Environment</i> , 1997 , 32, 479-484	6.5	4
7	The importance of the stochastic component of climatic variables in simulating the thermal behaviour of domestic dwellings. <i>Solar Energy</i> , 1997 , 60, 359-366	6.8	9
6	Time-series analysis of climatic variables. <i>Solar Energy</i> , 1995 , 55, 377-388	6.8	54
5	Simulation of monthly rainfall totals. <i>ANZIAM Journal</i> , 46, 85		8
4	Conditional value-at-risk for water management in Lake Burley Griffin. <i>ANZIAM Journal</i> , 47, 116		5
3	Using the skew-t copula to model bivariate rainfall distribution. <i>ANZIAM Journal</i> , 51, 231		8
2	A novel ensemble learning approach for hourly global solar radiation forecasting. <i>Neural Computing and Applications</i> , 1	4.8	3
1	How to cope with heat waves in the home 354-363		