

David J Warne

List of Publications by Year in Descending Order

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

18

papers

221

citations

8

h-index

14

g-index

27

ext. papers

366

ext. citations

3.1

avg. IF

3.75

L-index

#	Paper	IF	Citations
18	Explainability of the COVID-19 epidemiological model with nonnegative tensor factorization.. <i>International Journal of Data Science and Analytics</i> , 2022 , 1-14	2	1
17	Parameter identifiability and model selection for sigmoid population growth models.. <i>Journal of Theoretical Biology</i> , 2021 , 110998	2.3	3
16	Vector Operations for Accelerating Expensive Bayesian Computations [A Tutorial Guide. <i>Bayesian Analysis</i> , 2021 , -1,	2.3	1
15	Hindsight is 2020 vision: a characterisation of the global response to the COVID-19 pandemic. <i>BMC Public Health</i> , 2020 , 20, 1868	4.1	9
14	A practical guide to pseudo-marginal methods for computational inference in systems biology. <i>Journal of Theoretical Biology</i> , 2020 , 496, 110255	2.3	5
13	Identifiability analysis for stochastic differential equation models in systems biology. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200652	4.1	11
12	Simulation and inference algorithms for stochastic biochemical reaction networks: from basic concepts to state-of-the-art. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20180943	4.1	38
11	Using Experimental Data and Information Criteria to Guide Model Selection for Reaction-Diffusion Problems in Mathematical Biology. <i>Bulletin of Mathematical Biology</i> , 2019 , 81, 1760-1804	2.1	35
10	Multilevel rejection sampling for approximate Bayesian computation. <i>Computational Statistics and Data Analysis</i> , 2018 , 124, 71-86	1.6	11
9	Utility of Genetic Algorithms for Solving Large-Scale Construction Time-Cost Trade-Off Problems. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017072	5	23
8	Optimal Quantification of Contact Inhibition in Cell Populations. <i>Biophysical Journal</i> , 2017 , 113, 1920-1924		21
7	Comparison of High Level FPGA Hardware Design for Solving Tri-diagonal Linear Systems. <i>Procedia Computer Science</i> , 2014 , 29, 95-101	1.6	4
6	Image-based flow visualisation (IBFV) to enhance interpretation of complex flow patterns within a shallow tidal barrier estuary. <i>Environmental Modelling and Software</i> , 2013 , 47, 64-73	5.2	4
5	Accurately simulating the production of radiotherapy portal images using non-zero beam angles. <i>Radiation Measurements</i> , 2011 , 46, 1967-1970	1.5	2
4	CAD/CAM-assisted breast reconstruction. <i>Biofabrication</i> , 2011 , 3, 034114	10.5	44
3	Rapid Bayesian Inference for Expensive Stochastic Models. <i>Journal of Computational and Graphical Statistics</i> , 1-45	1.4	0
2	Implementation of parallel tridiagonal solvers for a heterogeneous computing environment. <i>ANZIAM Journal</i> , 56, 446		3

1	Hindsight is 2020 vision: a characterisation of the global response to the COVID-19 pandemic	3
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