

David J Warne

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

447
citations

932766

10
h-index

839053

18
g-index

27
all docs

27
docs citations

27
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.5	71
2	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.	0.9	60
3	Identifiability analysis for stochastic differential equation models in systems biology. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200652.	1.5	50
4	CAD/CAM-assisted breast reconstruction. <i>Biofabrication</i> , 2011, 3, 034114.	3.7	49
5	Optimal Quantification of Contact Inhibition in Cell Populations. <i>Biophysical Journal</i> , 2017, 113, 1920-1924.	0.2	38
6	Utility of Genetic Algorithms for Solving Large-Scale Construction Time-Cost Trade-Off Problems. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	2.5	38
7	Parameter identifiability and model selection for sigmoid population growth models. <i>Journal of Theoretical Biology</i> , 2022, 535, 110998.	0.8	37
8	Multilevel rejection sampling for approximate Bayesian computation. <i>Computational Statistics and Data Analysis</i> , 2018, 124, 71-86.	0.7	19
9	Hindsight is 2020 vision: a characterisation of the global response to the COVID-19 pandemic. <i>BMC Public Health</i> , 2020, 20, 1868.	1.2	15
10	A practical guide to pseudo-marginal methods for computational inference in systems biology. <i>Journal of Theoretical Biology</i> , 2020, 496, 110255.	0.8	13
11	Comparison of High Level FPGA Hardware Design for Solving Tri-diagonal Linear Systems. <i>Procedia Computer Science</i> , 2014, 29, 95-101.	1.2	11
12	Rapid Bayesian Inference for Expensive Stochastic Models. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 512-528.	0.9	10
13	Identification of two–phase recovery for interpretation of coral reef monitoring data. <i>Journal of Applied Ecology</i> , 2022, 59, 153-164.	1.9	6
14	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.	1.9	4
15	Implementation of parallel tridiagonal solvers for a heterogeneous computing environment. <i>ANZIAM Journal</i> , 0, 56, 446.	0.0	4
16	A Heterogeneous Computing Approach to Simulation of the Heston Stochastic Volatility Model. <i>ANZIAM Journal</i> , 0, 57, 364.	0.0	3
17	Accurately simulating the production of radiotherapy portal images using non-zero beam angles. <i>Radiation Measurements</i> , 2011, 46, 1967-1970.	0.7	2
18	Explainability of the COVID-19 epidemiological model with nonnegative tensor factorization. <i>International Journal of Data Science and Analytics</i> , 2023, 15, 267-280.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Vector Operations for Accelerating Expensive Bayesian Computations – A Tutorial Guide. Bayesian Analysis, 2021, -1, .	1.6	1
20	An Efficient Algorithm for the Detection of Eden. Complex Systems, 2013, 22, 377-404.	0.9	1