

# Valerie Isham

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,229  
citations

430874

18  
h-index

377865

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modelling of the Transmission Dynamics of HIV Infection and AIDS: A Review. Journal of the Royal Statistical Society Series A: Statistics in Society, 1988, 151, 5.	1.1	131
2	Key questions for modelling COVID-19 exit strategies. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201405.	2.6	106
3	Anthelmintic resistance revisited: under-dosing, chemoprophylactic strategies, and mating probabilities. International Journal for Parasitology, 1999, 29, 77-91.	3.1	105
4	Stochastic epidemics and rumours on finite random networks. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 561-576.	2.6	86
5	A self-correcting point process. Stochastic Processes and Their Applications, 1979, 8, 335-347.	0.9	79
6	An Analysis of Daily Maximum Wind Speed in Northwestern Europe Using Generalized Linear Models. Journal of Climate, 2002, 15, 2073-2088.	3.2	76
7	Point process models of rainfall: developments for fine-scale structure. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 2569-2587.	2.1	72
8	An Introduction to Spatial Point Processes and Markov Random Fields. International Statistical Review, 1981, 49, 21.	1.9	57
9	A Bivariate Spatial Point Pattern of Ants' Nests. Journal of the Royal Statistical Society Series C: Applied Statistics, 1983, 32, 293.	1.0	57
10	Stochastic Models of Host-Macroparasite Interaction. Annals of Applied Probability, 1995, 5, .	1.3	57
11	Point process models for fine-resolution rainfall. Hydrological Sciences Journal, 2014, 59, 1972-1991.	2.6	48
12	Analysing Interrupted Time Series with a Control. Epidemiologic Methods, 2019, 8, .	0.9	45
13	Seven challenges for modelling indirect transmission: Vector-borne diseases, macroparasites and neglected tropical diseases. Epidemics, 2015, 10, 16-20.	3.0	43
14	The virtual waiting-time and related processes. Advances in Applied Probability, 1986, 18, 558-573.	0.7	40
15	Stochastic host-parasite interaction models. Journal of Mathematical Biology, 2000, 40, 343-371.	1.9	31
16	Spread of information and infection on finite random networks. Physical Review E, 2011, 83, 046128.	2.1	28
17	Spatiotemporal storm structure and scaling property analysis for modeling. Journal of Geophysical Research, 1996, 101, 26415-26425.	3.3	25
18	Stochastic Models for Epidemics with Special Reference to AIDS. Annals of Applied Probability, 1993, 3, .	1.3	25

#	ARTICLE	IF	CITATIONS
19	Commentary on the use of the reproduction number $R$ during the COVID-19 pandemic. <i>Statistical Methods in Medical Research</i> , 2022, 31, 1675-1685.	1.5	18
20	Dependent thinning of point processes. <i>Journal of Applied Probability</i> , 1980, 17, 987-995.	0.7	16
21	Note on the analytical expression of the inter-event time characteristics for Bartlett-Lewis type rainfall models. <i>Journal of Hydrology</i> , 1994, 157, 197-210.	5.4	15
22	Population biology of multispecies helminth infection: Competition and coexistence. <i>Journal of Theoretical Biology</i> , 2007, 244, 81-95.	1.7	13
23	Challenges on the interaction of models and policy for pandemic control. <i>Epidemics</i> , 2021, 37, 100499.	3.0	9
24	A characterization of the Poisson process using forward recurrence times. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1975, 78, 513-516.	0.4	8
25	Modelling: Understanding pandemics and how to control them. <i>Epidemics</i> , 2022, 39, 100588.	3.0	8
26	The evolving Society: united we stand. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2012, 175, 315-335.	1.1	5
27	A Markov construction for a multidimensional point process. <i>Journal of Applied Probability</i> , 1977, 14, 507-515.	0.7	4
28	A Markov construction for a multidimensional point process. <i>Journal of Applied Probability</i> , 1977, 14, 507-515.	0.7	4
29	Constructions for planar point processes using concentric circles. <i>Stochastic Processes and Their Applications</i> , 1977, 5, 131-141.	0.9	4
30	Spatial Point Process Models. <i>Chapman &amp; Hall/CRC Interdisciplinary Statistics Series</i> , 2010, , 283-298.	0.4	4
31	On a point process with independent locations. <i>Journal of Applied Probability</i> , 1975, 12, 435-446.	0.7	3
32	On a point process with independent locations. <i>Journal of Applied Probability</i> , 1975, 12, 435-446.	0.7	2
33	Mathematical modelling of the transmission dynamics of HIV infection and AIDS: a review. <i>Mathematical and Computer Modelling</i> , 1989, 12, 1187.	2.0	2
34	The effect of intermittent exposure to risk on failure time distributions. <i>Journal of Applied Probability</i> , 1974, 11, 310-319.	0.7	1
35	Contribution to the discussion of <i>AIDS</i> and <i>Covid-19</i> : A tale of two pandemics and the role of statisticians by Ellenberg and Morris. <i>Statistics in Medicine</i> , 2021, 40, 2518-2520.	1.6	1
36	A study of the role of the transmission mechanism in macroparasite aggregation. <i>Journal of Applied Probability</i> , 2001, 38, 249-262.	0.7	1