Richard A Arnold

List of Publications by Year
in descending order

51	1,639	430874	289244
papers	**citations**	**18**	**40**
		h-index	**g-index**

54	54	54	2029
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Properties and clinical performance of vaccines containing outer membrane vesicles from Neisseria meningitidis. Vaccine, 2009, 27, B3-B12.	3.8	341
2	Vaccines against meningococcal serogroup B disease containing outer membrane vesicles (OMV): Lessons from past programs and implications for the future. Human Vaccines and Immunotherapeutics, 2013, 9, 1241-1253.	3.3	173
3	A Bayesian approach to estimating tectonic stress from seismological data. Geophysical Journal International, 2007, 170, 1336-1356.	2.4	113
4	Three-dimensional variations in present-day tectonic stress along the Australia–Pacific plate boundary in New Zealand. Earth and Planetary Science Letters, 2012, 353-354, 47-59.	4.4	108
5	A Prospective Study of the Effectiveness of the New Zealand Meningococcal B Vaccine. American Journal of Epidemiology, 2007, 166, 817-823.	3.4	97
6	Effectiveness of a vaccination programme for an epidemic of meningococcal B in New Zealand. Vaccine, 2011, 29, 7100-7106.	3.8	94
7	Silver and Chan revisited. Journal of Geophysical Research: Solid Earth, 2013, 118, 5500-5515.	3.4	80
8	Warranty analysis: An approach to modeling imperfect repairs. International Journal of Production Economics, 2004, 89, 57-68.	8.9	56
9	Risk of mortality, cancer incidence, and stroke in a population potentially exposed to cadmium. Occupational and Environmental Medicine, 2000, 57, 94-97.	2.8	55
10	Multivariate methods using mixtures: Correspondence analysis, scaling and pattern-detection. Computational Statistics and Data Analysis, 2014, 71, 241-261.	1.2	50
11	A Bayesian approach to determining and parametrizing earthquake focal mechanisms. Geophysical Journal International, 2009, 176, 235-255.	2.4	48
12	Is testicular cancer an occupational disease of fire fighters?*. American Journal of Industrial Medicine, 2001, 40, 263-270.	2.1	43
13	Modelling the effects of low indoor temperatures on the lung function of children with asthma. Journal of Epidemiology and Community Health, 2013, 67, 918-925.	3.7	41
14	Estimating the Prevalence of Schizophrenia Among New Zealand Māori: A Capture–Recapture Approach. Australian and New Zealand Journal of Psychiatry, 2008, 42, 941-949.	2.3	28
15	Analysis and forward modeling of seismic anisotropy during the ongoing eruption of the Soufrière Hills Volcano, Montserrat, 1996–2007. Journal of Geophysical Research, 2011, 116, .	3.3	27
16	Outcome measurement in clinical practice: practical and theoretical issues for health related quality of life (HRQOL) questionnaires. Physical Therapy Reviews, 2011, 16, 155-167.	0.8	23
17	Mixture-based clustering for the ordered stereotype model. Computational Statistics and Data Analysis, 2016, 93, 46-75.	1.2	23
18	Locking on a megathrust as a cause of distributed faulting and fault-jumping earthquakes. Nature Geoscience, 2018, 11, 871-875.	12.9	23

#	Article	IF	Citations
19	Warranty cost analysis: Increasing warranty repair times. Applied Stochastic Models in Business and Industry, 2018, 34, 544-561.	1.5	18
20	Does Retrofitted Insulation Reduce Household Energy Use? Theory and Practice. Energy Journal, 2016, 37, 165-186.	1.7	18
21	Capture–Recapture Estimation Using Finite Mixtures of Arbitrary Dimension. Biometrics, 2010, 66, 644-655.	1.4	17
22	Statistics of orthogonal axial frames. Biometrika, 2013, 100, 571-586.	2.4	17
23	Shear wave automatic picking and splitting measurements at Ruapehu volcano, New Zealand. Journal of Geophysical Research: Solid Earth, 2015, 120, 3363-3384.	3.4	16
24	Interrogation theory. Geophysical Journal International, 2018, 214, 1830-1846.	2.4	16
25	Creating functional groups of marine fish from categorical traits. PeerJ, 2018, 6, e5795.	2.0	15
26	Geometric-Like Processes: An Overview and Some Reliability Applications. Reliability Engineering and System Safety, 2020, 201, 106990.	8.9	14
27	Multiple causes for non-eruptive seismic swarms at Mt. Martin, Katmai Volcanic Cluster, Alaska (2004–2008). Journal of Volcanology and Geothermal Research, 2012, 229-230, 13-22.	2.1	11
28	Multicomponent Systems With Multiplicative Aging and Dependent Failures. IEEE Transactions on Reliability, 2013, 62, 286-295.	4.6	11
29	Fishing for the cultural value of kahawai (<i>Arripis trutta</i>) at the Mōtū River, New Zealand. New Zealand Journal of Marine and Freshwater Research, 2018, 52, 557-576.	2.0	11
30	Spatio-temporal analysis of seismic anisotropy associated with the Cook Strait and Kaikōura earthquake sequences in New Zealand. Geophysical Journal International, 2020, 223, 1987-2008.	2.4	11
31	Model selection for mixture-based clustering for ordinal data. Australian and New Zealand Journal of Statistics, 2016, 58, 437-472.	0.9	8
32	Warranty cost analysis with an alternating geometric process. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 698-715.	0.7	5
33	Mean and variance of an alternating geometric process: An application in warranty cost analysis. Quality and Reliability Engineering International, 2022, 38, 2968-2985.	2.3	5
34	A note regarding 'On the power-law distribution of language family sizes'. Journal of Linguistics, 2006, 42, 373-376.	0.6	3
35	Derivation and implementation of a nonlinear experimental design criterion and its application to seismic network expansion at Kawerau geothermal field, New Zealand. Geophysical Journal International, 2012, 191, 686-694.	2.4	3
36	Finite mixture biclustering of discrete type multivariate data. Advances in Data Analysis and Classification, 2019, 13, 117-143.	1.4	3

#	Article	IF	Citations
37	Bayesian model-based clustering for longitudinal ordinal data. Computational Statistics, 2019, 34, 1015-1038.	1.5	2
38	Model-based goodness-of-fit tests for the ordered stereotype model. Statistical Methods in Medical Research, 2020, 29, 1527-1541.	1.5	2
39	A BETA-BINOMIAL MODEL FOR ESTIMATING THE SIZE OF A HETEROGENEOUS POPULATION. Australian and New Zealand Journal of Statistics, 2005, 47, 299-308.	0.9	1
40	Mapping Tectonic Stress Using Earthquakes. AIP Conference Proceedings, 2005, , .	0.4	1
41	Failure distributions in multicomponent systems with imperfect repairs. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2016, 230, 4-17.	0.7	1
42	Mean and Variance of an Alternating Geometric Process. , 2020, , .		1
43	Discussion of â€œVirtual age, is it real?â€• Applied Stochastic Models in Business and Industry, 2021, 37, 26-29.	1.5	1
44	Geometric and Geometric-Like Processes and Their Applications in Warranty Analysis. , 2019, , 1-23.		1
45	Goodness-of-Fit and Generalized Estimating Equation Methods for Ordinal Responses Based on the Stereotype Model. Stats, 2022, 5, 507-520.	0.9	1
46	Quantization of free Lagrangian gauge fields of arbitrary helicity. Nuclear Physics, Section B, Proceedings Supplements, 1989, 6, 390-392.	0.4	0
47	Bayesian Spectral Analysis of White Dwarf Light Curves. AIP Conference Proceedings, 2005, , .	0.4	0
48	Inference for Multicomponent Systems With Dependent Failures. IEEE Transactions on Reliability, 2017, 66, 616-629.	4.6	0
49	Delayed Reporting of Faults in Warranty Claims. IEEE Transactions on Reliability, 2020, 69, 1178-1194.	4.6	0
50	Nonzero repair times dependent on the failure hazard. Quality and Reliability Engineering International, 2020, 36, 988-1004.	2.3	0
51	Nonparametric Bayesian Analysis of Hazard Rate Functions using the Gamma Process Prior. , 2020, , .		0