

# Richard A Arnold

## List of Publications by Year in descending order

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51  
papers

1,639  
citations

430874

18  
h-index

289244

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2029  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Goodness-of-Fit and Generalized Estimating Equation Methods for Ordinal Responses Based on the Stereotype Model. Stats, 2022, 5, 507-520.	0.9	1
3	Discussion of "Virtual age, is it real?" Applied Stochastic Models in Business and Industry, 2021, 37, 26-29.	1.5	1
4	Model-based goodness-of-fit tests for the ordered stereotype model. Statistical Methods in Medical Research, 2020, 29, 1527-1541.	1.5	2
5	Delayed Reporting of Faults in Warranty Claims. IEEE Transactions on Reliability, 2020, 69, 1178-1194.	4.6	0
6	Nonzero repair times dependent on the failure hazard. Quality and Reliability Engineering International, 2020, 36, 988-1004.	2.3	0
7	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
8	Mean and Variance of an Alternating Geometric Process. , 2020, , .		1
9	Nonparametric Bayesian Analysis of Hazard Rate Functions using the Gamma Process Prior. , 2020, , .		0
10	Geometric-Like Processes: An Overview and Some Reliability Applications. Reliability Engineering and System Safety, 2020, 201, 106990.	8.9	14
11	Finite mixture biclustering of discrete type multivariate data. Advances in Data Analysis and Classification, 2019, 13, 117-143.	1.4	3
12	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
13	Bayesian model-based clustering for longitudinal ordinal data. Computational Statistics, 2019, 34, 1015-1038.	1.5	2
14	Geometric and Geometric-Like Processes and Their Applications in Warranty Analysis. , 2019, , 1-23.		1
15	Warranty cost analysis: Increasing warranty repair times. Applied Stochastic Models in Business and Industry, 2018, 34, 544-561.	1.5	18
16	Locking on a megathrust as a cause of distributed faulting and fault-jumping earthquakes. Nature Geoscience, 2018, 11, 871-875.	12.9	23
17	Fishing for the cultural value of kahawai ( <i>Arripis trutta</i> ) at the Mātāra River, New Zealand. New Zealand Journal of Marine and Freshwater Research, 2018, 52, 557-576.	2.0	11
18	Interrogation theory. Geophysical Journal International, 2018, 214, 1830-1846.	2.4	16

#	ARTICLE	IF	CITATIONS
19	Creating functional groups of marine fish from categorical traits. PeerJ, 2018, 6, e5795.	2.0	15
20	Inference for Multicomponent Systems With Dependent Failures. IEEE Transactions on Reliability, 2017, 66, 616-629.	4.6	0
21	Model selection for mixture-based clustering for ordinal data. Australian and New Zealand Journal of Statistics, 2016, 58, 437-472.	0.9	8
22	Mixture-based clustering for the ordered stereotype model. Computational Statistics and Data Analysis, 2016, 93, 46-75.	1.2	23
23	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
24	Does Retrofitted Insulation Reduce Household Energy Use? Theory and Practice. Energy Journal, 2016, 37, 165-186.	1.7	18
25	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
26	Multivariate methods using mixtures: Correspondence analysis, scaling and pattern-detection. Computational Statistics and Data Analysis, 2014, 71, 241-261.	1.2	50
27	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
28	Multicomponent Systems With Multiplicative Aging and Dependent Failures. IEEE Transactions on Reliability, 2013, 62, 286-295.	4.6	11
29	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
30	Statistics of orthogonal axial frames. Biometrika, 2013, 100, 571-586.	2.4	17
31	Silver and Chan revisited. Journal of Geophysical Research: Solid Earth, 2013, 118, 5500-5515.	3.4	80
32	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
33	Three-dimensional variations in present-day tectonic stress along the Australia-Pacifi c plate boundary in New Zealand. Earth and Planetary Science Letters, 2012, 353-354, 47-59.	4.4	108
34	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
35	Analysis and forward modeling of seismic anisotropy during the ongoing eruption of the Soufriere Hills Volcano, Montserrat, 1996-2007. Journal of Geophysical Research, 2011, 116, .	3.3	27
36	Effectiveness of a vaccination programme for an epidemic of meningococcal B in New Zealand. Vaccine, 2011, 29, 7100-7106.	3.8	94

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37	Outcome measurement in clinical practice: practical and theoretical issues for health related quality of life (HRQOL) questionnaires. <i>Physical Therapy Reviews</i> , 2011, 16, 155-167.	0.8	23
38	Capture-Recapture Estimation Using Finite Mixtures of Arbitrary Dimension. <i>Biometrics</i> , 2010, 66, 644-655.	1.4	17
39	A Bayesian approach to determining and parametrizing earthquake focal mechanisms. <i>Geophysical Journal International</i> , 2009, 176, 235-255.	2.4	48
40	Properties and clinical performance of vaccines containing outer membrane vesicles from <i>Neisseria meningitidis</i> . <i>Vaccine</i> , 2009, 27, B3-B12.	3.8	341
41	Estimating the Prevalence of Schizophrenia Among New Zealand Māori: A Capture-Recapture Approach. <i>Australian and New Zealand Journal of Psychiatry</i> , 2008, 42, 941-949.	2.3	28
42	A Prospective Study of the Effectiveness of the New Zealand Meningococcal B Vaccine. <i>American Journal of Epidemiology</i> , 2007, 166, 817-823.	3.4	97
43	A Bayesian approach to estimating tectonic stress from seismological data. <i>Geophysical Journal International</i> , 2007, 170, 1336-1356.	2.4	113
44	A note regarding "On the power-law distribution of language family sizes". <i>Journal of Linguistics</i> , 2006, 42, 373-376.	0.6	3
45	A BETA-BINOMIAL MODEL FOR ESTIMATING THE SIZE OF A HETEROGENEOUS POPULATION. <i>Australian and New Zealand Journal of Statistics</i> , 2005, 47, 299-308.	0.9	1
46	Bayesian Spectral Analysis of White Dwarf Light Curves. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
47	Mapping Tectonic Stress Using Earthquakes. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1
48	Warranty analysis: An approach to modeling imperfect repairs. <i>International Journal of Production Economics</i> , 2004, 89, 57-68.	8.9	56
49	Is testicular cancer an occupational disease of fire fighters?*. <i>American Journal of Industrial Medicine</i> , 2001, 40, 263-270.	2.1	43
50	Risk of mortality, cancer incidence, and stroke in a population potentially exposed to cadmium. <i>Occupational and Environmental Medicine</i> , 2000, 57, 94-97.	2.8	55
51	Quantization of free Lagrangian gauge fields of arbitrary helicity. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1989, 6, 390-392.	0.4	0