

# Birgir Hrafnkelsson

## List of Publications by Year in descending order

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52  
papers

1,199  
citations

394421

19  
h-index

395702

33  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency-dependent site factors for the Icelandic strong-motion array from a Bayesian hierarchical model of the spatial distribution of spectral accelerations. <i>Earthquake Spectra</i> , 2022, 38, 648-676.	3.1	3
2	Generalization of the power-law rating curve using hydrodynamic theory and Bayesian hierarchical modeling. <i>Environmetrics</i> , 2022, 33, .	1.4	5
3	Approximate Bayesian inference for analysis of spatiotemporal flood frequency data. <i>Annals of Applied Statistics</i> , 2022, 16, .	1.1	9
4	The impact and cost-effectiveness of introducing the 10-valent pneumococcal conjugate vaccine into the paediatric immunisation programme in Iceland – A population-based time series analysis. <i>PLoS ONE</i> , 2021, 16, e0249497.	2.5	3
5	Bayesian inference of empirical ground motion models to pseudo-spectral accelerations of south Iceland seismic zone earthquakes based on informative priors. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 132, 106075.	3.8	21
6	Impact of the 10-valent pneumococcal conjugate vaccine on hospital admissions in children under three years of age in Iceland. <i>Vaccine</i> , 2020, 38, 2707-2714.	3.8	7
7	Bayesian inference of a physical seismological model for earthquake strong-motion in south Iceland. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 138, 106219.	3.8	3
8	Variation in b-value of caldera earthquakes during recent activity of the Bárðarbunga Volcano in Iceland. <i>Jökull</i> , 2020, 69, 71-82.	0.1	1
9	LGM Split Sampler: An Efficient MCMC Sampling Scheme for Latent Gaussian Models. <i>Statistical Science</i> , 2020, 35, .	2.8	8
10	Vaccination of Icelandic Children with the 10-Valent Pneumococcal Vaccine Leads to a Significant Herd Effect among Adults in Iceland. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	16
11	Increase in tympanostomy tube placements despite pneumococcal vaccination, a population-based study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1527-1534.	1.5	8
12	The Effect of the 10-Valent Pneumococcal Nontypeable Haemophilus influenzae Protein D Conjugate Vaccine on H. influenzae in Healthy Carriers and Middle Ear Infections in Iceland. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	4
13	Drivers of growth for Atlantic cod ( <i>Gadus morhua</i> L.) in Icelandic waters – A Bayesian approach to determine spatiotemporal variation and its causes. <i>Journal of Fish Biology</i> , 2019, 95, 401-410.	1.6	2
14	Calibration of ground motion models to Icelandic peak ground acceleration data using Bayesian Markov Chain Monte Carlo simulation. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 2841-2870.	4.1	25
15	Site effect estimation on two Icelandic strong-motion arrays using a Bayesian hierarchical model for the spatial distribution of earthquake peak ground acceleration. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 120, 369-385.	3.8	9
16	Selection of earthquake ground motion models using the deviance information criterion. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 117, 288-299.	3.8	19
17	Bayesian Hierarchical Model of Peak Ground Acceleration for the Icelandic Strong-Motion Arrays. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2019, , 25-38.	0.2	1
18	Reduction in All-Cause Acute Otitis Media in Children <3 Years of Age in Primary Care Following Vaccination With 10-Valent Pneumococcal Haemophilus influenzae Protein-D Conjugate Vaccine: A Whole-Population Study. <i>Clinical Infectious Diseases</i> , 2018, 67, 1213-1219.	5.8	32

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19	Bayesian hierarchical model for variations in earthquake peak ground acceleration within small aperture arrays. <i>Environmetrics</i> , 2018, 29, e2497.	1.4	14
20	Decreased Acute Otitis Media With Treatment Failure After Introduction of the Ten-valent Pneumococcal Haemophilus influenzae Protein D Conjugate Vaccine. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, 361-366.	2.0	19
21	Statistical summer mass-balance forecast model with application to Br�arj�kull glacier, South East Iceland. <i>Journal of Glaciology</i> , 2018, 64, 311-320.	2.2	1
22	Effect of Vaccination on Pneumococci Isolated from the Nasopharynx of Healthy Children and the Middle Ear of Children with Otitis Media in Iceland. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	26
23	Impact of the 10-valent pneumococcal conjugate vaccine on antimicrobial prescriptions in young children: a whole population study. <i>BMC Infectious Diseases</i> , 2018, 18, 505.	2.9	23
24	A Bayesian hierarchical model for glacial dynamics based on the shallow ice approximation and its evaluation using analytical solutions. <i>Cryosphere</i> , 2018, 12, 2229-2248.	3.9	5
25	Pneumococcal vaccination: Direct and herd effect on carriage of vaccine types and antibiotic resistance in Icelandic children. <i>Vaccine</i> , 2017, 35, 5242-5248.	3.8	34
26	A Method for Estimating Annual Energy Production Using Monte Carlo Wind Speed Simulation. <i>Energies</i> , 2016, 9, 286.	3.1	24
27	The tax-free year in Iceland: A natural experiment to explore the impact of a short-term increase in labor supply on the risk of heart attacks. <i>Journal of Health Economics</i> , 2016, 49, 14-27.	2.7	9
28	Bayesian prediction of monthly precipitation on a fine grid using covariates based on a regional meteorological model. <i>Environmetrics</i> , 2016, 27, 27-41.	1.4	9
29	Computationally efficient spatial modeling of annual maximum 24h precipitation on a fine grid. <i>Environmetrics</i> , 2015, 26, 339-353.	1.4	13
30	Levelized Cost of Energy Analysis of a Wind Power Generation System at B�rfell in Iceland. <i>Energies</i> , 2015, 8, 9464-9485.	3.1	27
31	Decreased Incidence of Respiratory Infections in Children After Vaccination with Ten-valent Pneumococcal Vaccine. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 1385-1390.	2.0	36
32	Effectiveness of a partnership-based self-management programme for patients with mild and moderate chronic obstructive pulmonary disease: a pragmatic randomized controlled trial. <i>Journal of Advanced Nursing</i> , 2015, 71, 2634-2649.	3.3	46
33	The Icelandic economic collapse, smoking, and the role of labor-market changes. <i>European Journal of Health Economics</i> , 2015, 16, 391-405.	2.8	18
34	Risk factors for nasopharyngeal carriage of <i>Streptococcus pneumoniae</i> and effects of a hygiene intervention: repeated cross-sectional cohort study at day care centres. <i>Scandinavian Journal of Infectious Diseases</i> , 2014, 46, 493-501.	1.5	8
35	Does hygiene intervention at day care centres reduce infectious illnesses in children? An intervention cohort study. <i>Scandinavian Journal of Infectious Diseases</i> , 2013, 45, 397-403.	1.5	15
36	Risk of repeat visits, hospitalisation and death after uncompleted and completed visits to the emergency department: a prospective observation study. <i>Emergency Medicine Journal</i> , 2013, 30, 662-668.	1.0	12

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37	Psychometric Development of the Iceland-Expressive Family Functioning Questionnaire (ICE-EFFQ). <i>Journal of Family Nursing</i> , 2012, 18, 353-377.	1.9	28
38	Psychometric Development of the Iceland-Family Perceived Support Questionnaire (ICE-FPSQ). <i>Journal of Family Nursing</i> , 2012, 18, 328-352.	1.9	46
39	Can risk factors for infectious illnesses in children at day care centres be identified?. <i>Scandinavian Journal of Infectious Diseases</i> , 2012, 44, 149-156.	1.5	9
40	Hydrogen sulfide and particle matter levels associated with increased dispensing of anti-asthma drugs in Iceland's capital. <i>Environmental Research</i> , 2012, 113, 33-39.	7.5	34
41	A long-term follow-up of allergic diseases in Iceland. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 181-185.	2.6	26
42	Spatial modeling of annual minimum and maximum temperatures in Iceland. <i>Meteorology and Atmospheric Physics</i> , 2012, 116, 43-61.	2.0	6
43	Modeling discharge rating curves with Bayesian B-splines. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012, 26, 1-20.	4.0	7
44	Decision making in the cod industry based on recording and analysis of value chain data. <i>Journal of Food Engineering</i> , 2010, 99, 151-158.	5.2	10
45	Evaluating differences in linkage disequilibrium between populations. <i>Annals of Human Genetics</i> , 2010, 74, 233-247.	0.8	3
46	Psychotropic Drug Use among Icelandic Children: A Nationwide Population-Based Study. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2009, 19, 757-764.	1.3	71
47	Estimation of the Length Distribution of Marine Populations in the Gaussian-multinomial Setting using the Method of Moments. <i>Journal of Applied Statistics</i> , 2007, 34, 985-991.	1.3	4
48	A Statistical Approach to Identify Ancient Template DNA. <i>Journal of Molecular Evolution</i> , 2007, 65, 92-102.	1.8	24
49	An Icelandic example of the impact of population structure on association studies. <i>Nature Genetics</i> , 2005, 37, 90-95.	21.4	239
50	A model for categorical length data from groundfish surveys. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 1135-1142.	1.4	26
51	Hierarchical modeling of count data with application to nuclear fall-out. <i>Environmental and Ecological Statistics</i> , 2003, 10, 179-200.	3.5	28
52	A Populationwide Coalescent Analysis of Icelandic Matrilineal and Patrilineal Genealogies: Evidence for a Faster Evolutionary Rate of mtDNA Lineages than Y Chromosomes. <i>American Journal of Human Genetics</i> , 2003, 72, 1370-1388.	6.2	123