

# Fabrizio Ruggeri

## List of Publications by Year in descending order

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109  
papers

2,494  
citations

304743

22  
h-index

233421

45  
g-index

133  
all docs

133  
docs citations

133  
times ranked

2047  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of robust Bayesian analysis. <i>Test</i> , 1994, 3, 5-124.	1.1	456
2	A Bayesian Belief Network modelling of organisational factors in risk analysis: A case study in maritime transportation. <i>Reliability Engineering and System Safety</i> , 2008, 93, 845-856.	8.9	373
3	Mixtures of Gamma Distributions With Applications. <i>Journal of Computational and Graphical Statistics</i> , 2001, 10, 440-454.	1.7	104
4	Using AHP in determining the prior distributions on gas pipeline failures in a robust Bayesian approach. <i>Reliability Engineering and System Safety</i> , 2000, 67, 275-284.	8.9	92
5	Bayesian Robustness. <i>Lecture Notes in Statistics</i> , 2000, , 1-32.	0.2	63
6	Participation and Decision Analysis. <i>Decision Analysis</i> , 2007, 4, 211-226.	2.1	50
7	A criterion for environmental assessment using Birnbaum's Saunders attribute control charts. <i>Environmetrics</i> , 2015, 26, 463-476.	1.4	50
8	Recent developments of control charts, identification of big data sources and future trends of current research. <i>Technological Forecasting and Social Change</i> , 2019, 144, 221-232.	11.6	50
9	Prevalence of Neuropathic Pain in Cancer Patients: Pooled Estimates From a Systematic Review of Published Literature and Results From a Survey Conducted in 50 Italian Palliative Care Centers. <i>Journal of Pain and Symptom Management</i> , 2016, 51, 1091-1102.e4.	1.2	48
10	Robust Bayesian Analysis. <i>Handbook of Statistics</i> , 2005, , 623-667.	0.6	38
11	Infinitesimal sensitivity of posterior distributions. <i>Canadian Journal of Statistics</i> , 1993, 21, 195-203.	0.9	37
12	Bayesian reliability analysis of complex repairable systems. <i>Applied Stochastic Models in Business and Industry</i> , 2004, 20, 253-264.	1.5	36
13	A Bayesian hidden Markov model for imperfect debugging. <i>Reliability Engineering and System Safety</i> , 2012, 103, 11-21.	8.9	36
14	Conditional $\hat{A}_T$ -minimax actions under convex losses. <i>Communications in Statistics - Theory and Methods</i> , 1992, 21, 1051-1066.	1.0	32
15	Bayesian analysis of M/Er/1 and M/H <sub>k</sub> /1 queues. <i>Queueing Systems</i> , 1998, 30, 289-308.	0.9	32
16	Robust Bayesian analysis under generalized moments conditions. <i>Journal of Statistical Planning and Inference</i> , 1994, 41, 257-266.	0.6	31
17	On Modeling Change Points in Non-Homogeneous Poisson Processes. <i>Statistical Inference for Stochastic Processes</i> , 2005, 8, 311-329.	0.6	27
18	Kriging with external drift in a Birnbaum's Saunders geostatistical model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1517-1530.	4.0	26

#	ARTICLE	IF	CITATIONS
19	Advances in Bayesian decision making in reliability. European Journal of Operational Research, 2020, 282, 1-18.	5.7	26
20	Bayesian Inference for Functional Response in a Stochastic Predator-Prey System. Bulletin of Mathematical Biology, 2008, 70, 358-381.	1.9	24
21	Statistical Medical Fraud Assessment: Exposition to an Emerging Field. International Statistical Review, 2018, 86, 379-402.	1.9	24
22	Modeling External Risks in Project Management. Risk Analysis, 2007, 27, 961-978.	2.7	22
23	On a Birnbaum-Saunders distribution arising from a non-homogeneous Poisson process. Statistics and Probability Letters, 2013, 83, 1233-1239.	0.7	22
24	Adversarial classification: An adversarial risk analysis approach. International Journal of Approximate Reasoning, 2019, 113, 133-148.	3.3	22
25	CONTROLLING THE USABILITY OF WEB SERVICES. International Journal of Software Engineering and Knowledge Engineering, 2009, 19, 627-651.	0.8	21
26	A methodology based on the Birnbaum-Saunders distribution for reliability analysis applied to nano-materials. Reliability Engineering and System Safety, 2017, 157, 192-201.	8.9	21
27	Predicting hourly ozone concentrations using wavelets and ARIMA models. Neural Computing and Applications, 2019, 31, 4331-4340.	5.6	20
28	Bayesian Forecasting for Accident Proneness Evaluation. Scandinavian Actuarial Journal, 1999, 1999, 134-156.	1.7	17
29	Bayesian Analysis and Prediction of Failures in Underground Trains. Quality and Reliability Engineering International, 2003, 19, 327-336.	2.3	17
30	On Bayesian forecasting of procurement delays: a case study. Applied Stochastic Models in Business and Industry, 2006, 22, 181-192.	1.5	17
31	Optimal actions in problems with convex loss functions. International Journal of Approximate Reasoning, 2009, 50, 303-314.	3.3	17
32	Nonlinear functional response parameter estimation in a stochastic predator-prey model. Mathematical Biosciences and Engineering, 2012, 9, 75-96.	1.9	17
33	A Bayesian approach to improving estimate to complete. International Journal of Project Management, 2016, 34, 1687-1702.	5.6	16
34	Larger posterior mode wavelet thresholding and applications. Journal of Statistical Planning and Inference, 2008, 138, 3758-3773.	0.6	15
35	New Classes of Priors Based on Stochastic Orders and Distortion Functions. Bayesian Analysis, 2016, 11, .	3.0	15
36	Posterior ranges of functions of parameters under priors with specified quantiles. Communications in Statistics - Theory and Methods, 1990, 19, 127-144.	1.0	14

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37	Importance of Different Types of Prior Knowledge in Selecting Genome-Wide Findings for Follow-Up. <i>Genetic Epidemiology</i> , 2013, 37, 205-213.	1.3	14
38	Semiparametric Bayesian models for clustering and classification in the presence of unbalanced in-hospital survival. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2014, 63, 25-46.	1.0	14
39	Imprecise Dirichlet Process With Application to the Hypothesis Test on the Probability That $X < Y$ . <i>Journal of Statistical Theory and Practice</i> , 2015, 9, 658-684.	0.5	14
40	SNP Prioritization Using a Bayesian Probability of Association. <i>Genetic Epidemiology</i> , 2013, 37, 214-221.	1.3	13
41	Prior Robustness for Bayesian Implementation of the Fault Tree Analysis. <i>IEEE Transactions on Reliability</i> , 2018, 67, 170-183.	4.6	13
42	How to exploit external model of data for parameter estimation?. <i>International Journal of Adaptive Control and Signal Processing</i> , 2006, 20, 41-50.	4.1	12
43	Modeling latent sources in call center arrival data. <i>European Journal of Operational Research</i> , 2010, 204, 597-603.	5.7	12
44	Improved Coral Population Estimation Reveals Trends at Multiple Scales on Australia's Great Barrier Reef. <i>Ecosystems</i> , 2017, 20, 1337-1350.	3.4	12
45	Chess AI: Competing Paradigms for Machine Intelligence. <i>Entropy</i> , 2022, 24, 550.	2.2	12
46	A Generalized Signature of Repairable Coherent Systems. <i>IEEE Transactions on Reliability</i> , 2016, 65, 434-445.	4.6	11
47	Predicting PM2.5 and PM10 Levels during Critical Episodes Management in Santiago, Chile, with a Bivariate Birnbaum-Saunders Log-Linear Model. <i>Mathematics</i> , 2021, 9, 645.	2.2	11
48	Fully probabilistic knowledge expression and incorporation. <i>Statistics and Its Interface</i> , 2014, 7, 503-515.	0.3	11
49	Density based classes of priors: Infinitesimal properties and approximations. <i>Journal of Statistical Planning and Inference</i> , 1995, 46, 311-324.	0.6	10
50	Long-range dependence and performance in telecom networks. <i>Applied Stochastic Models in Business and Industry</i> , 2004, 20, 305-321.	1.5	10
51	Bayesian False Discovery Rate Wavelet Shrinkage: Theory and Applications. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2008, 37, 1086-1100.	1.2	10
52	Inertance Estimation in a Lumped-Parameter Hydraulic Simulator of Human Circulation. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 61012-17.	1.3	10
53	Bayesian Estimation of Thermal Conductivity and Temperature Profile in a Homogeneous Mass. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 66, 397-421.	0.9	10
54	A Hierarchical Bayesian Setting for an Inverse Problem in Linear Parabolic PDEs with Noisy Boundary Conditions. <i>Bayesian Analysis</i> , 2017, 12, .	3.0	10

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55	On the Use of the Concentration Function in Medical Fraud Assessment. American Statistician, 2017, 71, 236-241.	1.6	10
56	Utility based maintenance analysis using a Random Sign censoring model. Reliability Engineering and System Safety, 2011, 96, 425-431.	8.9	9
57	Computationally Efficient Simulation of Queues: The <code>R</code> Package <code>queuecomputer</code> . Journal of Statistical Software, 2020, 95, .	3.7	9
58	Concentration functions and Bayesian robustness. Journal of Statistical Planning and Inference, 1994, 40, 205-220.	0.6	8
59	Decision Support for User Interface Design: Usability Diagnosis by Time Analysis of the User Activity. , 2008, , .		8
60	Robustness for Adversarial Risk Analysis. Profiles in Operations Research, 2016, , 39-58.	0.4	8
61	A new estimator for the covariance of the PLS coefficients estimator with applications to chemical data. Journal of Chemometrics, 2018, 32, e3069.	1.3	8
62	A Rao-Blackwellized particle filter for joint parameter estimation and biomass tracking in a stochastic predator-prey system. Mathematical Biosciences and Engineering, 2014, 11, 573-597.	1.9	8
63	Call for Papers“Special Issue ofDecision Analysison Games and Decisions in Reliability and Risk. Decision Analysis, 2011, 8, 82-82.	2.1	7
64	Bayesian first order auto-regressive latent variable models for multiple binary sequences. Statistical Modelling, 2011, 11, 471-488.	1.1	7
65	Statistical rehabilitation of improper correlation matrices. Quantitative Finance, 2011, 11, 1081-1090.	1.7	7
66	Robust bayesian analysis given a lower bound on the probability of a set. Communications in Statistics - Theory and Methods, 1991, 20, 1881-1891.	1.0	6
67	SOME RESULTS ON POSTERIOR REGRET $\hat{\pi}^*$ ESTIMATION. Statistics and Risk Modeling, 1995, 13, .	1.0	6
68	Joint sensitivity in bayesian decision theory. Test, 2003, 12, 173-194.	1.1	6
69	A Robust Bayesian Approach to an Optimal Replacement Policy for Gas Pipelines. Entropy, 2015, 17, 3656-3678.	2.2	6
70	Monitoring Environmental Risk by a Methodology Based on Control Charts. Springer Proceedings in Mathematics and Statistics, 2015, , 177-197.	0.2	6
71	On a New Class of Multivariate Prior Distributions: Theory and Application in Reliability. Bayesian Analysis, 2021, 16, .	3.0	6
72	Robust Bayesian analysis given priors on partition sets. Test, 1994, 3, 73-86.	1.1	5

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73	Expansion estimation by Bayes rules. <i>Journal of Statistical Planning and Inference</i> , 1999, 79, 223-235.	0.6	5
74	Robust Bayesian and Bayesian Decision Theoretic Wavelet Shrinkage. <i>Lecture Notes in Statistics</i> , 1999, , 139-154.	0.2	5
75	From the Editorsâ€™ Games and Decisions in Reliability and Risk. <i>Decision Analysis</i> , 2012, 9, 81-85.	2.1	4
76	On Some Optimal Bayesian Nonparametric Rules for Estimating Distribution Functions. <i>Econometric Reviews</i> , 2014, 33, 289-304.	1.1	4
77	A stochastic model for MRSA transmission within a hospital ward incorporating environmental contamination. <i>Epidemiology and Infection</i> , 2017, 145, 825-838.	2.1	4
78	Modeling Wear in Cylinder Liners. <i>Quality and Reliability Engineering International</i> , 2017, 33, 839-851.	2.3	4
79	Likelihood-Free Parameter Estimation for Dynamic Queueing Networks: Case Study of Passenger Flow in an International Airport Terminal. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2021, 70, 770-792.	1.0	4
80	Bayesian Modeling in the Wavelet Domain. <i>Handbook of Statistics</i> , 2005, , 315-338.	0.6	3
81	Denoising ozone concentration measurements with BAMS filtering. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 2395-2405.	0.6	3
82	Modelling age replacement policy under multiple time scales and stochastic usage profiles. <i>International Journal of Production Economics</i> , 2017, 188, 22-28.	8.9	3
83	Adversarial issues in reliability. <i>European Journal of Operational Research</i> , 2018, 266, 1113-1119.	5.7	3
84	Prior and Posterior Linear Pooling for Combining Expert Opinions: Uses and Impact on Bayesian Networksâ€™ The Case of the Wayfinding Model. <i>Entropy</i> , 2018, 20, 209.	2.2	3
85	An Adversarial Risk Analysis Framework for Batch Acceptance Problems. <i>Decision Analysis</i> , 2021, 18, 25-40.	2.1	3
86	A bivariate two-state Markov modulated Poisson process for failure modeling. <i>Reliability Engineering and System Safety</i> , 2021, 208, 107318.	8.9	3
87	Sensitivity of Replacement Priorities for Gas Pipeline Maintenance. <i>Lecture Notes in Statistics</i> , 2000, , 335-350.	0.2	3
88	On the Use of the Concentration Function in Bayesian Robustness. <i>Lecture Notes in Statistics</i> , 2000, , 109-126.	0.2	3
89	Modeling the Association Between Clusters of SNPs and Disease Responses. , 2015, , 115-134.		3
90	Concentration function and sensitivity to the prior. <i>Journal of the Italian Statistical Society</i> , 1995, 4, 283-297.	0.1	2

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91	On Combining Partial and Incompatible Information in E-negotiation and E-arbitration. Group Decision and Negotiation, 2008, 17, 225-236.	3.3	2
92	Multiscale Modeling of Wear Degradation in Cylinder Liners. Multiscale Modeling and Simulation, 2014, 12, 396-409.	1.6	2
93	Bayesian nonparametric clustering and association studies for candidate SNP observations. International Journal of Approximate Reasoning, 2017, 80, 19-35.	3.3	2
94	Combining Opinions for Use in Bayesian Networks: A Measurement Error Approach. International Statistical Review, 2020, 88, 335-353.	1.9	2
95	Multicriteria decision frontiers for prescription anomaly detection over time. Journal of Applied Statistics, 2022, 49, 3638-3658.	1.3	2
96	Statistical Quality Control and Reliability Analysis Using the Birnbaum-Saunders Distribution with Industrial Applications. ICSA Book Series in Statistics, 2019, , 21-53.	0.2	2
97	Concentration function and coefficients of divergence for signed measures. Journal of the Italian Statistical Society, 1993, 2, 17-34.	0.1	1
98	Concentration function for the skew-normal and skew- $t$ distributions, with application in robust Bayesian analysis. Brazilian Journal of Probability and Statistics, 2017, 31, .	0.4	1
99	Dynamic linear models for policy monitoring. The case of maternal and neonatal mortality in Ghana. Socio-Economic Planning Sciences, 2022, 83, 101348.	5.0	1
100	Robust bayesian analysis given bounds on the probability of a set. Communications in Statistics - Theory and Methods, 1993, 22, 2983-2998.	1.0	0
101	Bayesian models in business and industry. Applied Stochastic Models in Business and Industry, 2006, 22, 93-93.	1.5	0
102	On a partially specified Bayesian nonparametric model for earthquakes occurrences. Statistical Modelling, 2008, 8, 67-80.	1.1	0
103	Poster #218 BAYESIAN ANALYSIS OF WEIGHTED-Z TESTS IN ADAPTIVE TRIAL DESIGN. Schizophrenia Research, 2012, 136, S169.	2.0	0
104	Decisions in Risk and Reliability: An Explanatory Perspective. Stats, 2021, 4, 228-250.	0.9	0
105	Comment on "A Gibbs Sampler for a Class of Random Convex Polytopes" by P.E. Jacob, R. Gong, P.T. Edlefsen and A.P. Dempster. Journal of the American Statistical Association, 2021, 116, 1204-1205.	3.1	0
106	Curve Registration of Functional Data for Approximate Bayesian Computation. Stats, 2021, 4, 762-775.	0.9	0
107	2021 International Statistical Institute Mahalanobis Award: A Tribute to Heleno Bolfarine. International Statistical Review, 2021, 89, 435-446.	1.9	0
108	Joint Parameter Estimation and Biomass Tracking in a Stochastic Predator-Prey System. Springer Proceedings in Mathematics and Statistics, 2014, , 23-27.	0.2	0

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109	Gambits: Theory and evidence. Applied Stochastic Models in Business and Industry, 0, , .	1.5	0