

Igor Pruenster

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,862
citations

304368

22
h-index

301761

39
g-index

74
all docs

74
docs citations

74
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributional results for means of normalized random measures with independent increments. <i>Annals of Statistics</i> , 2003, 31, 560.	1.4	156
2	Controlling the Reinforcement in Bayesian Non-Parametric Mixture Models. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2007, 69, 715-740.	1.1	134
3	Hierarchical Mixture Modeling With Normalized Inverse-Gaussian Priors. <i>Journal of the American Statistical Association</i> , 2005, 100, 1278-1291.	1.8	130
4	Models beyond the Dirichlet process. , 2010, , 80-136.		115
5	Bayesian Nonparametric Estimation of the Probability of Discovering New Species. <i>Biometrika</i> , 2007, 94, 769-786.	1.3	110
6	Posterior Analysis for Normalized Random Measures with Independent Increments. <i>Scandinavian Journal of Statistics</i> , 2009, 36, 76-97.	0.9	108
7	Are Gibbs-Type Priors the Most Natural Generalization of the Dirichlet Process?. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015, 37, 212-229.	9.7	97
8	Bayesian Non-Parametric Inference for Species Variety with a Two-Parameter Poisson-Dirichlet Process Prior. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2009, 71, 993-1008.	1.1	52
9	Bayesian inference with dependent normalized completely random measures. <i>Bernoulli</i> , 2014, 20, .	0.7	48
10	Conjugacy as a Distinctive Feature of the Dirichlet Process. <i>Scandinavian Journal of Statistics</i> , 2006, 33, 105-120.	0.9	47
11	Bayesian nonparametric estimators derived from conditional Gibbs structures. <i>Annals of Applied Probability</i> , 2008, 18, .	0.6	47
12	Modeling with Normalized Random Measure Mixture Models. <i>Statistical Science</i> , 2013, 28, .	1.6	46
13	Normalized random measures driven by increasing additive processes. <i>Annals of Statistics</i> , 2004, 32, 2343.	1.4	44
14	On Consistency of Nonparametric Normal Mixtures for Bayesian Density Estimation. <i>Journal of the American Statistical Association</i> , 2005, 100, 1292-1296.	1.8	40
15	Distribution theory for hierarchical processes. <i>Annals of Statistics</i> , 2019, 47, .	1.4	40
16	On rates of convergence for posterior distributions in infinite-dimensional models. <i>Annals of Statistics</i> , 2007, 35, .	1.4	32
17	Bayesian Nonparametric Analysis for a Generalized Dirichlet Process Prior. <i>Statistical Inference for Stochastic Processes</i> , 2005, 8, 283-309.	0.4	30
18	Exponential functionals and means of neutral-to-the-right priors. <i>Biometrika</i> , 2003, 90, 791-808.	1.3	29

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19	A Bayesian nonparametric method for prediction in EST analysis. BMC Bioinformatics, 2007, 8, 339.	1.2	29
20	Latent Nested Nonparametric Priors (with Discussion). Bayesian Analysis, 2019, 14, .	1.6	29
21	A New Estimator of the Discovery Probability. Biometrics, 2012, 68, 1188-1196.	0.8	25
22	On the Pitmanâ€“Yor process with spike and slab base measure. Biometrika, 2017, 104, 681-697.	1.3	25
23	Distributions of linear functionals of two parameter Poissonâ€“Dirichlet random measures. Annals of Applied Probability, 2008, 18, .	0.6	24
24	On the stick-breaking representation of normalized inverse Gaussian priors. Biometrika, 2012, 99, 663-674.	1.3	24
25	Conditional formulae for Gibbs-type exchangeable random partitions. Annals of Applied Probability, 2013, 23, .	0.6	22
26	On a class of distributions on the simplex. Journal of Statistical Planning and Inference, 2011, 141, 2987-3004.	0.4	21
27	Data tracking and the understanding of Bayesian consistency. Biometrika, 2005, 92, 765-778.	1.3	20
28	Dependent mixture models: Clustering and borrowing information. Computational Statistics and Data Analysis, 2014, 71, 417-433.	0.7	20
29	Asymptotics for posterior hazards. Annals of Statistics, 2009, 37, .	1.4	20
30	Robustifying Bayesian Nonparametric Mixtures for Count Data. Biometrics, 2017, 73, 174-184.	0.8	18
31	Linear and quadratic functionals of random hazard rates: An asymptotic analysis. Annals of Applied Probability, 2008, 18, .	0.6	17
32	A moment-matching Ferguson & Klass algorithm. Statistics and Computing, 2017, 27, 3-17.	0.8	17
33	Extending Doob's consistency theorem to nonparametric densities. Bernoulli, 2004, 10, 651.	0.7	16
34	Distributional properties of means of random probability measures. Statistics Surveys, 2009, 3, .	7.3	16
35	A Bayesian Nonparametric Approach for Comparing Clustering Structures in EST Libraries. Journal of Computational Biology, 2008, 15, 1315-1327.	0.8	14
36	On the Stick-Breaking Representation for Homogeneous NRMIs. Bayesian Analysis, 2016, 11, .	1.6	14

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37	Bayesian prediction with multiple-samples information. <i>Journal of Multivariate Analysis</i> , 2017, 156, 18-28.	0.5	14
38	The Pitman–Yor multinomial process for mixture modelling. <i>Biometrika</i> , 2020, 107, 891-906.	1.3	14
39	An asymptotic analysis of a class of discrete nonparametric priors. <i>Statistica Sinica</i> , 2013, , .	0.2	12
40	Bayesian nonparametric inference beyond the Gibbs-type framework. <i>Scandinavian Journal of Statistics</i> , 2018, 45, 1062-1091.	0.9	11
41	Stochastic Approximations to the Pitman–Yor Process. <i>Bayesian Analysis</i> , 2019, 14, .	1.6	11
42	Bayesian Inference via Classes of Normalized Random Measures. <i>SSRN Electronic Journal</i> , 2005, , .	0.4	10
43	On the posterior distribution of classes of random means. <i>Bernoulli</i> , 2010, 16, .	0.7	10
44	Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. <i>Annals of Statistics</i> , 2021, 49, .	1.4	10
45	Motor cortex excitability changes following a lesion in the posterior columns of the cervical spinal cord. <i>Neuroscience Letters</i> , 2008, 434, 119-123.	1.0	9
46	On a Class of Random Probability Measures with General Predictive Structure. <i>Scandinavian Journal of Statistics</i> , 2011, 38, 359-376.	0.9	9
47	Survival analysis via hierarchically dependent mixture hazards. <i>Annals of Statistics</i> , 2021, 49, .	1.4	8
48	BAYESIAN CONSISTENCY FOR STATIONARY MODELS. <i>Econometric Theory</i> , 2007, 23, .	0.6	7
49	On the inferential implications of decreasing weight structures in mixture models. <i>Computational Statistics and Data Analysis</i> , 2020, 147, 106940.	0.7	7
50	Flexible clustering via hidden hierarchical Dirichlet priors. <i>Scandinavian Journal of Statistics</i> , 2023, 50, 213-234.	0.9	7
51	Posterior analysis for some classes of nonparametric models. <i>Journal of Nonparametric Statistics</i> , 2008, 20, 447-457.	0.4	5
52	Asymptotics for a Bayesian nonparametric estimator of species variety. <i>Bernoulli</i> , 2012, 18, .	0.7	5
53	A Bayesian nonparametric approach to modeling market share dynamics. <i>Bernoulli</i> , 2013, 19, .	0.7	5
54	Discussion of “On simulation and properties of the stable law” by L. Devroye and L. James. <i>Statistical Methods and Applications</i> , 2014, 23, 371-377.	0.7	4

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55	Prior Sensitivity Analysis in a Semi-Parametric Integer-Valued Time Series Model. <i>Entropy</i> , 2020, 22, 69.	1.1	4
56	Sampling hierarchies of discrete random structures. <i>Statistics and Computing</i> , 2020, 30, 1591-1607.	0.8	3
57	Asymptotic behavior of the number of distinct values in a sample from the geometric stick-breaking process. <i>Annals of the Institute of Statistical Mathematics</i> , 2022, 74, 143-165.	0.5	3
58	Approximation of Bayesian models for time-to-event data. <i>Electronic Journal of Statistics</i> , 2020, 14, .	0.4	3
59	On a Generalized Chuâ€“Vandermonde Identity. <i>Methodology and Computing in Applied Probability</i> , 2012, 14, 253-262.	0.7	2
60	Exchangeable Hoeffding decompositions over finite sets: A combinatorial characterization and counterexamples. <i>Journal of Multivariate Analysis</i> , 2014, 131, 51-64.	0.5	2
61	Poisson-Driven Stationary Markov Models. <i>Journal of Business and Economic Statistics</i> , 2018, 36, 684-694.	1.8	2
62	Models Beyond the Dirichlet Process. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
63	Inner spike and slab Bayesian nonparametric models. <i>Econometrics and Statistics</i> , 2023, 27, 120-135.	0.4	2
64	A Conversation with Eugenio Regazzini. <i>Statistical Science</i> , 2011, 26, .	1.6	1
65	A note on â€œBayesian nonparametric estimators derived from conditional Gibbs structuresâ€. <i>Annals of Applied Probability</i> , 2014, 24, .	0.6	1
66	Innovation, growth and aggregate volatility from a Bayesian nonparametric perspective. <i>Electronic Journal of Statistics</i> , 2016, 10, .	0.4	1
67	A Bayesian Nonparametric Approach to Ecological Risk Assessment. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 151-159.	0.1	1
68	BNPdensity: Bayesian nonparametric mixture modelling in R. <i>Australian and New Zealand Journal of Statistics</i> , 2021, 63, 542-564.	0.4	1
69	ON CONVERGENCE RATES FOR NONPARAMETRIC POSTERIOR DISTRIBUTIONS. <i>Australian and New Zealand Journal of Statistics</i> , 2007, 49, 209-219.	0.4	0
70	Comment on Article by Page and Quintana. <i>Bayesian Analysis</i> , 2016, 11, .	1.6	0
71	On the Truncation Error of a Superposed Gamma Process. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 11-19.	0.1	0
72	Bayesian Nonparametric Prediction with Multi-sample Data. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 113-121.	0.1	0