Igor Pruenster

List of Publications by Year
in descending order

72 papers	1,862 citations	304743 22 h-index	302126 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. Annals of Statistics, 2003, 31, 560.	2.6	156
2	Controlling the Reinforcement in Bayesian Non-Parametric Mixture Models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2007, 69, 715-740.	2.2	134
3	Hierarchical Mixture Modeling With Normalized Inverse-Gaussian Priors. Journal of the American Statistical Association, 2005, 100, 1278-1291.	3.1	130
4	Models beyond the Dirichlet process. , 2010, , 80-136.		115
5	Bayesian Nonparametric Estimation of the Probability of Discovering New Species. Biometrika, 2007, 94, 769-786.	2.4	110
6	Posterior Analysis for Normalized Random Measures with Independent Increments. Scandinavian Journal of Statistics, 2009, 36, 76-97.	1.4	108
7	Are Gibbs-Type Priors the Most Natural Generalization of the Dirichlet Process?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 212-229.	13.9	97
8	Bayesian Non-Parametric Inference for Species Variety with a Two-Parameter Poisson–Dirichlet Process Prior. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 993-1008.	2.2	52
9	Bayesian inference with dependent normalized completely random measures. Bernoulli, 2014, 20, .	1.3	48
10	Conjugacy as a Distinctive Feature of the Dirichlet Process. Scandinavian Journal of Statistics, 2006, 33, 105-120.	1.4	47
11	Bayesian nonparametric estimators derived from conditional Gibbs structures. Annals of Applied Probability, 2008, 18, .	1.3	47
12	Modeling with Normalized Random Measure Mixture Models. Statistical Science, 2013, 28, .	2.8	46
13	Normalized random measures driven by increasing additive processes. Annals of Statistics, 2004, 32, 2343.	2.6	44
14	On Consistency of Nonparametric Normal Mixtures for Bayesian Density Estimation. Journal of the American Statistical Association, 2005, 100, 1292-1296.	3.1	40
15	Distribution theory for hierarchical processes. Annals of Statistics, 2019, 47, .	2.6	40
16	On rates of convergence for posterior distributions in infinite-dimensional models. Annals of Statistics, 2007, 35, .	2.6	32
17	Bayesian Nonparametric Analysis for a Generalized Dirichlet Process Prior. Statistical Inference for Stochastic Processes, 2005, 8, 283-309.	0.6	30
18	Exponential functionals and means of neutral-to-the-right priors. Biometrika, 2003, 90, 791-808.	2.4	29

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19	A Bayesian nonparametric method for prediction in EST analysis. BMC Bioinformatics, 2007, 8, 339.	2.6	29
20	Latent Nested Nonparametric Priors (with Discussion). Bayesian Analysis, 2019, 14, .	3.0	29
21	A New Estimator of the Discovery Probability. Biometrics, 2012, 68, 1188-1196.	1.4	25
22	On the Pitmanâ€"Yor process with spike and slab base measure. Biometrika, 2017, 104, 681-697.	2.4	25
23	Distributions of linear functionals of two parameter Poissonâ€"Dirichlet random measures. Annals of Applied Probability, 2008, 18, .	1.3	24
24	On the stick-breaking representation of normalized inverse Gaussian priors. Biometrika, 2012, 99, 663-674.	2.4	24
25	Conditional formulae for Gibbs-type exchangeable random partitions. Annals of Applied Probability, 2013, 23, .	1.3	22
26	On a class of distributions on the simplex. Journal of Statistical Planning and Inference, 2011, 141, 2987-3004.	0.6	21
27	Data tracking and the understanding of Bayesian consistency. Biometrika, 2005, 92, 765-778.	2.4	20
28	Dependent mixture models: Clustering and borrowing information. Computational Statistics and Data Analysis, 2014, 71, 417-433.	1.2	20
29	Asymptotics for posterior hazards. Annals of Statistics, 2009, 37, .	2.6	20
30	Robustifying Bayesian Nonparametric Mixtures for Count Data. Biometrics, 2017, 73, 174-184.	1.4	18
31	Linear and quadratic functionals of random hazard rates: An asymptotic analysis. Annals of Applied Probability, 2008, 18, .	1.3	17
32	A moment-matching Ferguson & Klass algorithm. Statistics and Computing, 2017, 27, 3-17.	1.5	17
33	Extending Doob's consistency theorem to nonparametric densities. Bernoulli, 2004, 10, 651.	1.3	16
34	Distributional properties of means of random probability measures. Statistics Surveys, 2009, 3, .	11.3	16
35	A Bayesian Nonparametric Approach for Comparing Clustering Structures in EST Libraries. Journal of Computational Biology, 2008, 15, 1315-1327.	1.6	14
36	On the Stick-Breaking Representation for Homogeneous NRMIs. Bayesian Analysis, 2016, 11, .	3.0	14

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37	Bayesian prediction with multiple-samples information. Journal of Multivariate Analysis, 2017, 156, 18-28.	1.0	14
38	The Pitman–Yor multinomial process for mixture modelling. Biometrika, 2020, 107, 891-906.	2.4	14
39	An asymptotic analysis of a class of discrete nonparametric priors. Statistica Sinica, 2013, , .	0.3	12
40	Bayesian nonparametric inference beyond the Gibbs–type framework. Scandinavian Journal of Statistics, 2018, 45, 1062-1091.	1.4	11
41	Stochastic Approximations to the Pitman–Yor Process. Bayesian Analysis, 2019, 14, .	3.0	11
42	Bayesian Inference via Classes of Normalized Random Measures. SSRN Electronic Journal, 2005, , .	0.4	10
43	On the posterior distribution of classes of random means. Bernoulli, 2010, 16, .	1.3	10
44	Measuring dependence in the Wasserstein distance for Bayesian nonparametric models. Annals of Statistics, 2021, 49, .	2.6	10
45	Motor cortex excitability changes following a lesion in the posterior columns of the cervical spinal cord. Neuroscience Letters, 2008, 434, 119-123.	2.1	9
46	On a Class of Random Probability Measures with General Predictive Structure. Scandinavian Journal of Statistics, 2011, 38, 359-376.	1.4	9
47	Survival analysis via hierarchically dependent mixture hazards. Annals of Statistics, 2021, 49, .	2.6	8
48	BAYESIAN CONSISTENCY FOR STATIONARY MODELS. Econometric Theory, 2007, 23, .	0.7	7
49	On the inferential implications of decreasing weight structures in mixture models. Computational Statistics and Data Analysis, 2020, 147, 106940.	1.2	7
50	Flexible clustering via hidden hierarchical Dirichlet priors. Scandinavian Journal of Statistics, 2023, 50, 213-234.	1.4	7
51	Posterior analysis for some classes of nonparametric models. Journal of Nonparametric Statistics, 2008, 20, 447-457.	0.9	5
52	Asymptotics for a Bayesian nonparametric estimator of species variety. Bernoulli, 2012, 18, .	1.3	5
53	A Bayesian nonparametric approach to modeling market share dynamics. Bernoulli, 2013, 19, .	1.3	5
54	Discussion of "On simulation and properties of the stable law" by L. Devroye and L. James. Statistical Methods and Applications, 2014, 23, 371-377.	1.2	4

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55	Prior Sensitivity Analysis in a Semi-Parametric Integer-Valued Time Series Model. Entropy, 2020, 22, 69.	2.2	4
56	Sampling hierarchies of discrete random structures. Statistics and Computing, 2020, 30, 1591-1607.	1.5	3
57	Asymptotic behavior of the number of distinct values in a sample from the geometric stick-breaking process. Annals of the Institute of Statistical Mathematics, 2022, 74, 143-165.	0.8	3
58	Approximation of Bayesian models for time-to-event data. Electronic Journal of Statistics, 2020, 14, .	0.7	3
59	On a Generalized Chu–Vandermonde Identity. Methodology and Computing in Applied Probability, 2012, 14, 253-262.	1.2	2
60	Exchangeable Hoeffding decompositions over finite sets: A combinatorial characterization and counterexamples. Journal of Multivariate Analysis, 2014, 131, 51-64.	1.0	2
61	Poisson-Driven Stationary Markov Models. Journal of Business and Economic Statistics, 2018, 36, 684-694.	2.9	2
62	Models Beyond the Dirichlet Process. SSRN Electronic Journal, 0, , .	0.4	2
63	Inner spike and slab Bayesian nonparametric models. Econometrics and Statistics, 2023, 27, 120-135.	0.8	2
64	A Conversation with Eugenio Regazzini. Statistical Science, 2011, 26, .	2.8	1
65	A note on "Bayesian nonparametric estimators derived from conditional Gibbs structures". Annals of Applied Probability, 2014, 24, .	1.3	1
66	Innovation, growth and aggregate volatility from a Bayesian nonparametric perspective. Electronic Journal of Statistics, 2016, 10, .	0.7	1
67	A Bayesian Nonparametric Approach to Ecological Risk Assessment. Springer Proceedings in Mathematics and Statistics, 2017, , 151-159.	0.2	1
68	BNPdensity: Bayesian nonparametric mixture modelling in R. Australian and New Zealand Journal of Statistics, 2021, 63, 542-564.	0.9	1
69	ON CONVERGENCE RATES FOR NONPARAMETRIC POSTERIOR DISTRIBUTIONS. Australian and New Zealand Journal of Statistics, 2007, 49, 209-219.	0.9	0
70	Comment on Article by Page and Quintana. Bayesian Analysis, 2016, 11, .	3.0	0
71	On the Truncation Error of a Superposed Gamma Process. Springer Proceedings in Mathematics and Statistics, 2017, , 11-19.	0.2	0
72	Bayesian Nonparametric Prediction with Multi-sample Data. Springer Proceedings in Mathematics and Statistics, 2020, , 113-121.	0.2	0