Anirban Bhattacharya

List of Publications by Year
in descending order

23 papers	668 citations	840776 11 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	468 citing authors

#	Article	IF	Citations
1	Dirichletâ€"Laplace Priors for Optimal Shrinkage. Journal of the American Statistical Association, 2015, 110, 1479-1490.	3.1	235
2	Fast sampling with Gaussian scale mixture priors in high-dimensional regression. Biometrika, 2016, 103, 985-991.	2.4	90
3	Posterior contraction in sparse Bayesian factor models for massive covariance matrices. Annals of Statistics, 2014, 42, .	2.6	55
4	Bayesian Factorizations of Big Sparse Tensors. Journal of the American Statistical Association, 2015, 110, 1562-1576.	3.1	36
5	Probabilistic Community Detection With Unknown Number of Communities. Journal of the American Statistical Association, 2019, 114, 893-905.	3.1	34
6	Bayesian fractional posteriors. Annals of Statistics, 2019, 47, .	2.6	30
7	Scalable Bayesian Variable Selection Using Nonlocal Prior Densities in Ultrahigh-dimensional Settings. Statistica Sinica, 2018, 28, 1053-1078.	0.3	28
8	Anisotropic function estimation using multi-bandwidth Gaussian processes. Annals of Statistics, 2014, 42, 352-381.	2.6	27
9	Bayesian optimization with adaptive surrogate models for automated experimental design. Npj Computational Materials, 2021, 7, .	8.7	27
10	Reexamining the proton-radius problem using constrained Gaussian processes. Physical Review C, 2019, 99, .	2.9	24
11	Radius and equation of state constraints from massive neutron stars and GW190814. Physical Review C, 2021, 104, .	2.9	15
12	Functional Horseshoe Priors for Subspace Shrinkage. Journal of the American Statistical Association, 2020, 115, 1784-1797.	3.1	13
13	Bayesian data integration and variable selection for panâ€cancer survival prediction using protein expression data. Biometrics, 2020, 76, 316-325.	1.4	13
14	Bayesian sparse multiple regression for simultaneous rank reduction and variable selection. Biometrika, 2020, 107, 205-221.	2.4	11
15	Efficient Bayesian shape-restricted function estimation with constrained Gaussian process priors. Statistics and Computing, 2020, 30, 839-853.	1.5	7
16	A modified sequential probability ratio test. Journal of Mathematical Psychology, 2021, 101, 102505.	1.8	6
17	Adaptive Bayesian inference in the Gaussian sequence model using exponential-variance priors. Statistics and Probability Letters, 2015, 103, 100-104.	0.7	5
18	Process modeling for slope and aspect with application to elevation data maps. Test, 2018, 27, 749-772.	1.1	3

#	Article	IF	Citations
19	Posterior Contraction Rates for Stochastic Block Models. Sankhya A, 2020, 82, 448-476.	0.8	3
20	Dynamics of Coordinate Ascent Variational Inference: A Case Study in 2D Ising Models. Entropy, 2020, 22, 1263.	2.2	3
21	Nonparametric Bayes Modeling for Case Control Studies with Many Predictors. Biometrics, 2016, 72, 184-192.	1.4	2
22	Posterior contraction in Gaussian process regression using Wasserstein approximations. Information and Inference, 2017, 6, 416-440.	1.6	1
23	Rejoinder on: Process modeling for slope and aspect with application to elevation data maps. Test, 2018, 27, 783-786.	1.1	0