Arnab Maity

List of Publications by Year
in descending order

70 papers	1,255 citations	361296 20 h-index	395590 33 g-index
70 all docs	70 docs citations	70 times ranked	1993 citing authors

#	Article	IF	Citations
1	Parameter Estimation of Partial Differential Equation Models. Journal of the American Statistical Association, 2013, 108, 1009-1020.	1.8	101
2	Multivariate Phenotype Association Analysis by Marker–Set Kernel Machine Regression. Genetic Epidemiology, 2012, 36, 686-695.	0.6	76
3	Variable selection in generalized functional linear models. Stat, 2013, 2, 86-101.	0.3	74
4	Maternal blood cadmium, lead and arsenic levels, nutrient combinations, and offspring birthweight. BMC Public Health, 2017, 17, 354.	1.2	69
5	Exposure to airborne particulate matter is associated with methylation pattern in the asthma pathway. Epigenomics, 2013, 5, 147-154.	1.0	68
6	Reduced Rank Mixed Effects Models for Spatially Correlated Hierarchical Functional Data. Journal of the American Statistical Association, 2010, 105, 390-400.	1.8	64
7	Serum Concentrations of Polychlorinated Biphenyls in Relation to *in Vitro* Fertilization Outcomes. Environmental Health Perspectives, 2011, 119, 1010-1016.	2.8	61
8	Kernel Machine SNP–Set Testing Under Multiple Candidate Kernels. Genetic Epidemiology, 2013, 37, 267-275.	0.6	60
9	Short-term airborne particulate matter exposure alters the epigenetic landscape of human genes associated with the mitogen-activated protein kinase network: a cross-sectional study. Environmental Health, 2014, 13, 94.	1.7	55
10	Association of Hexachlorobenzene (HCB), Dichlorodiphenyltrichloroethane (DDT), and Dichlorodiphenyldichloroethylene (DDE) with *in Vitro* Fertilization (IVF) Outcomes. Environmental Health Perspectives, 2012, 120, 316-320.	2.8	48
11	Classical testing in functional linear models. Journal of Nonparametric Statistics, 2016, 28, 813-838.	0.4	40
12	SIMEX and standard error estimation in semiparametric measurement error models. Electronic Journal of Statistics, 2009, 3, 318-348.	0.4	38
13	A small-sample multivariate kernel machine test for microbiome association studies. Genetic Epidemiology, 2017, 41, 210-220.	0.6	37
14	Powerful Tests for Detecting a Gene Effect in the Presence of Possible Gene-Gene Interactions Using Garrote Kernel Machines. Biometrics, 2011, 67, 1271-1284.	0.8	32
15	Design and analysis issues in gene and environment studies. Environmental Health, 2012, 11, 93.	1.7	30
16	Testing for spatial isotropy under general designs. Journal of Statistical Planning and Inference, 2012, 142, 1081-1091.	0.4	29
17	Testing in Semiparametric Models with Interaction, with Applications to Gene–Environment Interactions. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 75-96.	1.1	27
18	Additive Function-on-Function Regression. Journal of Computational and Graphical Statistics, 2018, 27, 234-244.	0.9	24

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19	Nonparametric additive regression for repeatedly measured data. Biometrika, 2009, 96, 383-398.	1.3	21
20	Efficient Estimation of Population-Level Summaries in General Semiparametric Regression Models. Journal of the American Statistical Association, 2007, 102, 123-139.	1.8	20
21	Global Analysis of Methylation Profiles From High Resolution CpG Data. Genetic Epidemiology, 2015, 39, 53-64.	0.6	19
22	Semiâ€automated scoring of tripleâ€probe FISH in human sperm: Methods and further validation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 661-666.	1.1	18
23	Interaction models for functional regression. Computational Statistics and Data Analysis, 2016, 94, 317-329.	0.7	18
24	The Two-SampleTTest With One Variance Unknown. American Statistician, 2006, 60, 163-166.	0.9	15
25	Analysis of <i>in vitro</i> fertilization data with multiple outcomes using discrete timeâ€toâ€event analysis. Statistics in Medicine, 2014, 33, 1738-1749.	0.8	14
26	Efficient Semiparametric Marginal Estimation forÂtheÂPartially Linear Additive Model forÂLongitudinal/Clustered Data. Statistics in Biosciences, 2009, 1, 10-31.	0.6	12
27	Nonparametric functional concurrent regression models. Wiley Interdisciplinary Reviews: Computational Statistics, 2017, 9, e1394.	2.1	12
28	Rare variant testing across methods and thresholds using the multi-kernel sequence kernel association test (MK-SKAT). Statistics and Its Interface, 2015, 8, 495-505.	0.2	11
29	On the substructure controls in rare variant analysis: Principal components or variance components?. Genetic Epidemiology, 2018, 42, 276-287.	0.6	10
30	Additive nonlinear functional concurrent model. Statistics and Its Interface, 2018, 11, 669-685.	0.2	10
31	Inferences for the ratio: Fellerâ€™s interval, log ratio, and large sample based confidence intervals. AStA Advances in Statistical Analysis, 2011, 95, 313-323.	0.4	8
32	Parametrically guided generalised additive models with application to mergers and acquisitions data. Journal of Nonparametric Statistics, 2013, 25, 109-128.	0.4	8
33	Complete Effectâ€Profile Assessment in Association Studies With Multiple Genetic and Multiple Environmental Factors. Genetic Epidemiology, 2015, 39, 122-133.	0.6	8
34	Testing and Estimation in Marker-Set Association Study Using Semiparametric Quantile Regression Kernel Machine. Biometrics, 2016, 72, 364-371.	0.8	8
35	A comparison of testing methods in scalar-on-function regression. AStA Advances in Statistical Analysis, 2019, 103, 411-436.	0.4	8
36	Joint modeling of longitudinal continuous, longitudinal ordinal, and time-to-event outcomes. Lifetime Data Analysis, 2021, 27, 64-90.	0.4	8

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37	Partially linear varying coefficient models stratified by a functional covariate. Statistics and Probability Letters, 2012, 82, 1807-1814.	0.4	7
38	Multivariate Gene Selection and Testing in Studying the Exposure Effects on a Gene Set. Statistics in Biosciences, 2012, 4, 319-338.	0.6	7
39	A Powerful Test for SNP Effects on Multivariate Binary Outcomes Using Kernel Machine Regression. Statistics in Biosciences, 2018, 10, 117-138.	0.6	7
40	Composite Kernel Machine Regression Based on Likelihood Ratio Test for Joint Testing of Genetic and Geneâ€"Environment Interaction Effect. Biometrics, 2019, 75, 625-637.	0.8	7
41	Variable selection in functional linear concurrent regression. Journal of the Royal Statistical Society Series C: Applied Statistics, 2020, 69, 565-587.	0.5	7
42	On adaptive linear regression. Journal of Applied Statistics, 2008, 35, 1409-1422.	0.6	5
43	A powerful test for comparing multiple regression functions. Journal of Nonparametric Statistics, 2012, 24, 563-576.	0.4	5
44	Module-Based Association Analysis for Omics Data with Network Structure. PLoS ONE, 2015, 10, e0122309.	1.1	5
45	Variable selection in semi-parametric models. Statistical Methods in Medical Research, 2016, 25, 1736-1752.	0.7	4
46	Variable selection in nonparametric functional concurrent regression. Canadian Journal of Statistics, 2022, 50, 142-161.	0.6	4
47	Simultaneous variable selection, clustering, and smoothing in functionâ€onâ€scalar regression. Canadian Journal of Statistics, 2022, 50, 180-199.	0.6	4
48	Inference in functional linear quantile regression. Journal of Multivariate Analysis, 2022, 190, 104985.	0.5	4
49	Analysis of Sabine river flow data using semiparametric spline modeling. Journal of Hydrology, 2011, 399, 274-280.	2.3	3
50	Testing for additivity in nonâ€parametric regression. Canadian Journal of Statistics, 2016, 44, 445-462.	0.6	3
51	A Score Based Test for Functional Linear Concurrent Regression. Econometrics and Statistics, 2021, , .	0.4	3
52	Variable selection in nonlinear functionâ€onâ€scalar regression. Biometrics, 2023, 79, 292-303.	0.8	3
53	Power of a reproducing kernel-based method for testing the joint effect of a set of single-nucleotide polymorphisms. Genetica, 2012, 140, 421-427.	0.5	2
54	Glacier Terminus Estimation from Landsat Image Intensity Profiles. Journal of Agricultural, Biological, and Environmental Statistics, 2015, 20, 279-298.	0.7	2

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55	Parametrically guided estimation in nonparametric varying coefficient models with quasi-likelihood. Journal of Nonparametric Statistics, 2015, 27, 195-213.	0.4	2
56	Robust kernel association testing (RobKAT). Genetic Epidemiology, 2020, 44, 272-282.	0.6	2
57	Comments on: Nonparametric inference with generalized likelihood ratio tests. Test, 2007, 16, 456-458.	0.7	1
58	Estimation via corrected scores in general semiparametric regression models with error-prone covariates. Electronic Journal of Statistics, 2011, 5, 1424-1449.	0.4	1
59	Testing for constant nonparametric effects in general semiparametric regression models with interactions. Statistics and Probability Letters, 2011, 81, 717-723.	0.4	1
60	Unified variable selection in semi-parametric models. Statistical Methods in Medical Research, 2017, 26, 2821-2831.	0.7	1
61	Rejoinder to â€œA Note on Testing and Estimation in Marker-set Association Study Using Semiparametric Quantile Regression Kernel Machineâ€. Biometrics, 2018, 74, 767-768.	0.8	1
62	Inference on phenotypeâ€specific effects of genes using multivariate kernel machine regression. Genetic Epidemiology, 2018, 42, 64-79.	0.6	1
63	Asymptotic theory for varying coefficient regression models with dependent data. Annals of the Institute of Statistical Mathematics, 2018, 70, 745-759.	0.5	1
64	Marker-Set Approaches for Assessing Gene Ã— Environment Interactions at Gene Level. , 2016, , .		1
65	A Perturbation Technique for Sample Moment Matching in Kernel Density Estimation. Calcutta Statistical Association Bulletin, 2005, 56, 161-188.	0.1	0
66	Efficient estimation of population quantiles in general semiparametric regression models. Statistics and Probability Letters, 2008, 78, 2744-2750.	0.4	0
67	Particulate Air Pollution Modifies Methylation Of NFKb Pathways. , 2010, , .		0
68	Functional interactionâ€"based nonlinear models with application to multiplatform genomics data. Statistics in Medicine, 2018, 37, 2715-2733.	0.8	0
69	Estimation of population-level summaries in general semiparametric repeated measures regression models. , 2008, , 123-137.		0
70	Epigenetic Deregulation of MicroRNAs in Rhabdomyosarcoma and Neuroblastoma and Translational Perspectives. , 2013, , 257-290.		0