

# Bibhas Chakraborty

## List of Publications by Year in descending order

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65  
papers

2,197  
citations

304743

22  
h-index

254184

43  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Web-Based Smoking-Cessation Programs. American Journal of Preventive Medicine, 2008, 34, 373-381.	3.0	257
2	The Role of Engagement in a Tailored Web-Based Smoking Cessation Program: Randomized Controlled Trial. Journal of Medical Internet Research, 2008, 10, e36.	4.3	229
3	Statistical Methods for Dynamic Treatment Regimes. Statistics in the Health Sciences, 2013, , .	0.2	196
4	Dynamic Treatment Regimes. Annual Review of Statistics and Its Application, 2014, 1, 447-464.	7.0	136
5	Inference for non-regular parameters in optimal dynamic treatment regimes. Statistical Methods in Medical Research, 2010, 19, 317-343.	1.5	112
6	Developing multicomponent interventions using fractional factorial designs. Statistics in Medicine, 2009, 28, 2687-2708.	1.6	83
7	Inference for Optimal Dynamic Treatment Regimes Using an Adaptive $m \times n$ Bootstrap Scheme. Biometrics, 2013, 69, 714-723.	1.4	81
8	AutoScore: A Machine Learning-Based Automatic Clinical Score Generator and Its Application to Mortality Prediction Using Electronic Health Records. JMIR Medical Informatics, 2020, 8, e21798.	2.6	64
9	Comparison of a phased experimental approach and a single randomized clinical trial for developing multicomponent behavioral interventions. Clinical Trials, 2009, 6, 5-15.	1.6	61
10	Screening Experiments and the Use of Fractional Factorial Designs in Behavioral Intervention Research. American Journal of Public Health, 2008, 98, 1354-1359.	2.7	58
11	mHealth app using machine learning to increase physical activity in diabetes and depression: clinical trial protocol for the DIAMANTE Study. BMJ Open, 2020, 10, e034723.	1.9	58
12	COVID-19 in India: Statewise Analysis and Prediction. JMIR Public Health and Surveillance, 2020, 6, e20341.	2.6	58
13	Q-learning for estimating optimal dynamic treatment rules from observational data. Canadian Journal of Statistics, 2012, 40, 629-645.	0.9	50
14	Treating Anemia in Older Adults With Heart Failure With a Preserved Ejection Fraction With Epoetin Alfa. Circulation: Heart Failure, 2013, 6, 254-263.	3.9	47
15	Tooth loss and dental caries in community-dwelling older adults in northern Manhattan. Gerodontology, 2012, 29, e464-73.	2.0	44
16	Vitamin D Levels and the Risk of Cognitive Decline in Chinese Elderly People: the Chinese Longitudinal Healthy Longevity Survey. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1363-1368.	3.6	43
17	Sequential Multiple Assignment Randomized Trial (SMART) with Adaptive Randomization for Quality Improvement in Depression Treatment Program. Biometrics, 2015, 71, 450-459.	1.4	40
18	Deep learning for temporal data representation in electronic health records: A systematic review of challenges and methodologies. Journal of Biomedical Informatics, 2022, 126, 103980.	4.3	40

#	ARTICLE	IF	CITATIONS
19	Inference about the expected performance of a data-driven dynamic treatment regime. <i>Clinical Trials</i> , 2014, 11, 408-417.	1.6	38
20	Plasma metabolite profiles, cellular cholesterol efflux, and non-traditional cardiovascular risk in patients with CKD. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 112, 114-122.	1.9	31
21	Development and Assessment of an Interpretable Machine Learning Triage Tool for Estimating Mortality After Emergency Admissions. <i>JAMA Network Open</i> , 2021, 4, e2118467.	5.9	30
22	Shapley variable importance cloud for interpretable machine learning. <i>Patterns</i> , 2022, 3, 100452.	5.9	29
23	What contributes to self-rated oral health among community-dwelling older adults? Findings from the ElderSmile program. <i>Journal of Public Health Dentistry</i> , 2012, 72, 235-245.	1.2	25
24	Daily Motivational Text Messages to Promote Physical Activity in University Students: Results From a Microrandomized Trial. <i>Annals of Behavioral Medicine</i> , 2022, 56, 212-218.	2.9	23
25	Unique morphological characteristics of mitochondrial subtypes in the heart: the effect of ischemia and ischemic preconditioning. <i>Discoveries</i> , 2017, 5, e71.	2.3	21
26	Exploring the associations between systemic inflammation, obesity and healthy days: a health related quality of life (HRQOL) analysis of NHANES 2005-2008. <i>BMC Obesity</i> , 2018, 5, 21.	3.1	19
27	A Text Messaging Intervention (StayWell at Home) to Counteract Depression and Anxiety During COVID-19 Social Distancing: Pre-Post Study. <i>JMIR Mental Health</i> , 2021, 8, e25298.	3.3	17
28	Unique Aspects of Herbal Whole System Research. <i>Explore: the Journal of Science and Healing</i> , 2009, 5, 97-103.	1.0	15
29	Novel model for predicting inpatient mortality after emergency admission to hospital in Singapore: retrospective observational study. <i>BMJ Open</i> , 2019, 9, e031382.	1.9	15
30	Heart rate n-variability (HRnV) and its application to risk stratification of chest pain patients in the emergency department. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 168.	1.7	15
31	Statistical aspects of the TNK-S2B trial of tenecteplase versus alteplase in acute ischemic stroke: an efficient, dose-adaptive, seamless phase II/III design. <i>Clinical Trials</i> , 2011, 8, 398-407.	1.6	14
32	Q&A learning residual analysis: application to the effectiveness of sequences of antipsychotic medications for patients with schizophrenia. <i>Statistics in Medicine</i> , 2016, 35, 2221-2234.	1.6	14
33	Third Places for Health Promotion with Older Adults: Using the Consolidated Framework for Implementation Research to Enhance Program Implementation and Evaluation. <i>Journal of Urban Health</i> , 2016, 93, 851-870.	3.6	13
34	Utility of a Medical Alert Protection System compared to telephone follow-up only for home-alone elderly presenting to the ED - A randomized controlled trial. <i>American Journal of Emergency Medicine</i> , 2018, 36, 594-601.	1.6	13
35	A scoping review of studies using observational data to optimise dynamic treatment regimens. <i>BMC Medical Research Methodology</i> , 2021, 21, 39.	3.1	13
36	Noninferiority and equivalence tests in sequential, multiple assignment, randomized trials (SMARTs).. <i>Psychological Methods</i> , 2020, 25, 182-205.	3.5	13

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37	Interval increase in the prevalence of symptomatic cholelithiasis-associated non-alcoholic fatty liver disease over a ten-year period in an Asian population. Singapore Medical Journal, 2017, 58, 703-707.	0.6	13
38	Exploring the role of peer density in the self-reported oral health outcomes of older adults: A kernel density based approach. Health and Place, 2012, 18, 782-788.	3.3	11
39	An Oral Phosphodiesterase Inhibitor (Apremilast) for Inflammatory Rosacea in Adults: A Pilot Study. JAMA Dermatology, 2014, 150, 1013.	4.1	11
40	Estimating Optimal Shared-Parameter Dynamic Regimens with Application to a Multistage Depression Clinical Trial. Biometrics, 2016, 72, 865-876.	1.4	11
41	Assessing the effects of mitofusin 2 deficiency in the adult heart using 3D electron tomography. Physiological Reports, 2017, 5, e13437.	1.7	11
42	Leveraging Large-Scale Electronic Health Records and Interpretable Machine Learning for Clinical Decision Making at the Emergency Department: Protocol for System Development and Validation. JMIR Research Protocols, 2022, 11, e34201.	1.0	10
43	Sample size calculation based on precision for pilot sequential multiple assignment randomized trial (SMART). Biometrical Journal, 2021, 63, 247-271.	1.0	9
44	Adaptive learning algorithms to optimize mobile applications for behavioral health: guidelines for design decisions. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1225-1234.	4.4	9
45	Non-regular inference for dynamic weighted ordinary least squares: understanding the impact of solid food intake in infancy on childhood weight. Biostatistics, 2018, 19, 233-246.	1.5	8
46	AutoScore-Survival: Developing interpretable machine learning-based time-to-event scores with right-censored survival data. Journal of Biomedical Informatics, 2022, 125, 103959.	4.3	8
47	AutoScore-Imbalance: An interpretable machine learning tool for development of clinical scores with rare events data. Journal of Biomedical Informatics, 2022, 129, 104072.	4.3	8
48	A Text Messaging Intervention for Coping With Social Distancing During COVID-19 (StayWell at Home): Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e23592.	1.0	7
49	A novel interpretable machine learning system to generate clinical risk scores: An application for predicting early mortality or unplanned readmission in a retrospective cohort study. , 2022, 1, e0000062.		7
50	The Effectiveness of Web-Based Tailored Smoking Cessation Interventions on the Quitting Process (Project Quit): Secondary Analysis of a Randomized Controlled Trial. Journal of Medical Internet Research, 2018, 20, e213.	4.3	6
51	Modelling of low count heavy tailed time series data consisting large number of zeros and ones. Statistical Methods and Applications, 2018, 27, 407-435.	1.2	5
52	Development and validation of an interpretable machine learning scoring tool for estimating time to emergency readmissions. EClinicalMedicine, 2022, 45, 101315.	7.1	5
53	Development and validation of an interpretable clinical score for early identification of acute kidney injury at the emergency department. Scientific Reports, 2022, 12, 7111.	3.3	5
54	Patterns of Chronic Conditions in Older Adults. American Journal of Preventive Medicine, 2014, 46, 643-648.	3.0	4

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55	Does Medicaid Coverage Modify the Relationship between Glycemic Status and Teeth Present in Older Adults?. <i>Journal of Health Care for the Poor and Underserved</i> , 2018, 29, 1509-1528.	0.8	4
56	Topical cyclosporine versus emulsion vehicle for the treatment of brittle nails: a randomized controlled pilot study. <i>Journal of Drugs in Dermatology</i> , 2014, 13, 1232-9.	0.8	4
57	Evaluation of Combinations of Nudging, Pricing, and Labeling Strategies to Improve Diet Quality: A Virtual Grocery Store Experiment Employing a Multiphase Optimization Strategy. <i>Annals of Behavioral Medicine</i> , 2022, 56, 933-945.	2.9	4
58	Shared Care for Stable Glaucoma Patients. <i>Journal of Glaucoma</i> , 2018, 27, 170-175.	1.6	3
59	SMARTp: A SMART design for nonsurgical treatments of chronic periodontitis with spatially referenced and nonrandomly missing skewed outcomes. <i>Biometrical Journal</i> , 2020, 62, 282-310.	1.0	3
60	Shared Care for Patients with Diabetes at Risk of Retinopathy: A Feasibility Trial. <i>International Journal of Integrated Care</i> , 2019, 19, 18.	0.2	3
61	Incentives for Uptake of and Adherence to Outpatient Stroke Rehabilitation Services: A 3-Arm Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 1-7.e4.	0.9	2
62	A pilot sequential multiple assignment randomized trial (SMART) protocol for developing an adaptive coaching intervention around a mobile application for athletes to improve carbohydrate periodization behavior. <i>Contemporary Clinical Trials Communications</i> , 2022, 26, 100899.	1.1	2
63	Accounting for the role of asymptomatic patients in understanding the dynamics of the COVID-19 pandemic: a case study from Singapore. <i>Epidemiologic Methods</i> , 2022, 11, .	0.9	1
64	THU0445â€¦.ASSOCIATION BETWEEN PATIENTâ€™S EXPECTATION AND SATISFACTION FOLLOWING TOTAL KNEE REPLACEMENT FOR OSTEOARTHRITIS. , 2019, , .		0
65	Relationship between tumor response with outcomes in EGFR mutation positive (M+) non-small cell lung cancer (NSCLC) treated with tyrosine-kinase inhibitors (TKI).. <i>Journal of Clinical Oncology</i> , 2014, 32, e19101-e19101.	1.6	0