Bibhas Chakraborty

List of Publications by Year
in descending order

65	2,197	304743	254184
papers	citations	22 h-index	43 g-index

78	78	78	2714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Daily Motivational Text Messages to Promote Physical Activity in University Students: Results From a Microrandomized Trial. Annals of Behavioral Medicine, 2022, 56, 212-218.	2.9	23
2	Incentives for Uptake of and Adherence to Outpatient Stroke Rehabilitation Services: A 3-Arm Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2022, 103, 1-7.e4.	0.9	2
3	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
4	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
5	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. Contemporary Clinical Trials Communications, 2022, 26, 100899.	1.1	2
6	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
7	Evaluation of Combinations of Nudging, Pricing, and Labeling Strategies to Improve Diet Quality: A Virtual Grocery Store Experiment Employing a Multiphase Optimization Strategy. Annals of Behavioral Medicine, 2022, 56, 933-945.	2.9	4
8	Development and validation of an interpretable machine learning scoring tool for estimating time to emergency readmissions. EClinicalMedicine, 2022, 45, 101315.	7.1	5
9	Shapley variable importance cloud for interpretable machine learning. Patterns, 2022, 3, 100452.	5.9	29
10	Accounting for the role of asymptomatic patients in understanding the dynamics of the COVID-19 pandemic: a case study from Singapore. Epidemiologic Methods, 2022, 11, .	0.9	1
11	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
12	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
13	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
14	Sample size calculation based on precision for pilot sequential multiple assignment randomized trial (SMART). Biometrical Journal, 2021, 63, 247-271.	1.0	9
15	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
16	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
17	A scoping review of studies using observational data to optimise dynamic treatment regimens. BMC Medical Research Methodology, 2021, 21, 39.	3.1	13
18	A Text Messaging Intervention (StayWell at Home) to Counteract Depression and Anxiety During COVID-19 Social Distancing: Pre-Post Study. JMIR Mental Health, 2021, 8, e25298.	3.3	17

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19	Development and Assessment of an Interpretable Machine Learning Triage Tool for Estimating Mortality After Emergency Admissions. JAMA Network Open, 2021, 4, e2118467.	5.9	30
20	SMARTp: A SMART design for nonsurgical treatments of chronic periodontitis with spatially referenced and nonrandomly missing skewed outcomes. Biometrical Journal, 2020, 62, 282-310.	1.0	3
21	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
22	Heart rate n-variability (HRnV) and its application to risk stratification of chest pain patients in the emergency department. BMC Cardiovascular Disorders, 2020, 20, 168.	1.7	15
23	Noninferiority and equivalence tests in sequential, multiple assignment, randomized trials (SMARTs).. Psychological Methods, 2020, 25, 182-205.	3.5	13
24	COVID-19 in India: Statewise Analysis and Prediction. JMIR Public Health and Surveillance, 2020, 6, e20341.	2.6	58
25	AutoScore: A Machine Learningâ€“Based Automatic Clinical Score Generator and Its Application to Mortality Prediction Using Electronic Health Records. JMIR Medical Informatics, 2020, 8, e21798.	2.6	64
26	THU0445â€…ASSOCIATION BETWEEN PATIENTâ€™S EXPECTATION AND SATISFACTION FOLLOWING TOTAL KNEE REPLACEMENT FOR OSTEOARTHRITIS. , 2019, , .		0
27	Novel model for predicting inpatient mortality after emergency admission to hospital in Singapore: retrospective observational study. BMJ Open, 2019, 9, e031382.	1.9	15
28	Shared Care for Patients with Diabetes at Risk of Retinopathy: A Feasibility Trial. International Journal of Integrated Care, 2019, 19, 18.	0.2	3
29	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
30	Shared Cared for Stable Glaucoma Patients. Journal of Glaucoma, 2018, 27, 170-175.	1.6	3
31	Utility of a Medical Alert Protection System compared to telephone follow-up only for home-alone elderly presenting to the ED â€” A randomized controlled trial. American Journal of Emergency Medicine, 2018, 36, 594-601.	1.6	13
32	Does Medicaid Coverage Modify the Relationship between Glycemic Status and Teeth Present in Older Adults?. Journal of Health Care for the Poor and Underserved, 2018, 29, 1509-1528.	0.8	4
33	Exploring the associations between systemic inflammation, obesity and healthy days: a health related quality of life (HRQOL) analysis of NHANES 2005â€“2008. BMC Obesity, 2018, 5, 21.	3.1	19
34	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
35	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
36	Plasma metabolite profiles, cellular cholesterol efflux, and non-traditional cardiovascular risk in patients with CKD. Journal of Molecular and Cellular Cardiology, 2017, 112, 114-122.	1.9	31

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37	Assessing the effects of mitofusin 2 deficiency in the adult heart using 3D electron tomography. Physiological Reports, 2017, 5, e13437.	1.7	11
38	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
39	Unique morphological characteristics of mitochondrial subtypes in the heart: the effect of ischemia and ischemic preconditioning. Discoveries, 2017, 5, e71.	2.3	21
40	Qâ€learning residual analysis: application to the effectiveness of sequences of antipsychotic medications for patients with schizophrenia. Statistics in Medicine, 2016, 35, 2221-2234.	1.6	14
41	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
42	Third Places for Health Promotion with Older Adults: Using the Consolidated Framework for Implementation Research to Enhance Program Implementation and Evaluation. Journal of Urban Health, 2016, 93, 851-870.	3.6	13
43	Estimating Optimal Shared-Parameter Dynamic Regimens with Application to a Multistage Depression Clinical Trial. Biometrics, 2016, 72, 865-876.	1.4	11
44	Sequential Multiple Assignment Randomized Trial (SMART) with Adaptive Randomization for Quality Improvement in Depression Treatment Program. Biometrics, 2015, 71, 450-459.	1.4	40
45	Dynamic Treatment Regimes. Annual Review of Statistics and Its Application, 2014, 1, 447-464.	7.0	136
46	Inference about the expected performance of a data-driven dynamic treatment regime. Clinical Trials, 2014, 11, 408-417.	1.6	38
47	An Oral Phosphodiesterase Inhibitor (Apremilast) for Inflammatory Rosacea in Adults: A Pilot Study. JAMA Dermatology, 2014, 150, 1013.	4.1	11
48	Patterns of Chronic Conditions in Older Adults. American Journal of Preventive Medicine, 2014, 46, 643-648.	3.0	4
49	Relationship between tumor response with outcomes in EGFR mutation positive (M+) non-small cell lung cancer (NSCLC) treated with tyrosine-kinase inhibitors (TKI).. Journal of Clinical Oncology, 2014, 32, e19101-e19101.	1.6	0
50	Topical cyclosporine versus emulsion vehicle for the treatment of brittle nails: a randomized controlled pilot study. Journal of Drugs in Dermatology, 2014, 13, 1232-9.	0.8	4
51	Statistical Methods for Dynamic Treatment Regimes. Statistics in the Health Sciences, 2013, , .	0.2	196
52	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
53	Inference for Optimal Dynamic Treatment Regimes Using an Adaptive mâ€Outâ€ofâ€n Bootstrap Scheme. Biometrics, 2013, 69, 714-723.	1.4	81
54	Qâ€learning for estimating optimal dynamic treatment rules from observational data. Canadian Journal of Statistics, 2012, 40, 629-645.	0.9	50

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55	What contributes to selfâ€rated oral health among communityâ€dwelling older adults? Findings from the ElderSmile program. Journal of Public Health Dentistry, 2012, 72, 235-245.	1.2	25
56	Tooth loss and dental caries in communityâ€dwelling older adults in northern Manhattan. Gerodontology, 2012, 29, e464-73.	2.0	44
57	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
58	Statistical aspects of the TNK-S2B trial of tenecteplase versus alteplase in acute ischemic stroke: an efficient, dose-adaptive, seamless phase II/III design. Clinical Trials, 2011, 8, 398-407.	1.6	14
59	Inference for non-regular parameters in optimal dynamic treatment regimes. Statistical Methods in Medical Research, 2010, 19, 317-343.	1.5	112
60	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
61	Developing multicomponent interventions using fractional factorial designs. Statistics in Medicine, 2009, 28, 2687-2708.	1.6	83
62	Unique Aspects of Herbal Whole System Research. Explore: the Journal of Science and Healing, 2009, 5, 97-103.	1.0	15
63	Web-Based Smoking-Cessation Programs. American Journal of Preventive Medicine, 2008, 34, 373-381.	3.0	257
64	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
65	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