

Avishek Choudhury

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

767
citations

840119

11
h-index

610482

24
g-index

51
all docs

51
docs citations

51
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence and Human Trust in Healthcare: Focus on Clinicians. Journal of Medical Internet Research, 2020, 22, e15154.	2.1	280
2	Role of Artificial Intelligence in Patient Safety Outcomes: Systematic Literature Review. JMIR Medical Informatics, 2020, 8, e18599.	1.3	115
3	Use of machine learning in geriatric clinical care for chronic diseases: a systematic literature review. JAMIA Open, 2020, 3, 459-471.	1.0	42
4	Research Trends in Artificial Intelligence Applications in Human Factors Health Care: Mapping Review. JMIR Human Factors, 2021, 8, e28236.	1.0	41
5	Effect of risk, expectancy, and trust on clinicians's intent to use an artificial intelligence system – Blood Utilization Calculator. Applied Ergonomics, 2022, 101, 103708.	1.7	25
6	Forecasting hourly emergency department arrival using time series analysis. British Journal of Health Care Management, 2020, 26, 34-43.	0.1	24
7	Predicting cancer using supervised machine learning: Mesothelioma. Technology and Health Care, 2021, 29, 45-58.	0.5	24
8	Clinicians's Social Support, Job Stress, and Intent to Leave Healthcare during COVID-19. Healthcare (Switzerland), 2022, 10, 229.	1.0	18
9	Hepatitis E in solid organ transplant recipients: A systematic review and meta-analysis. World Journal of Gastroenterology, 2021, 27, 1240-1254.	1.4	16
10	Detecting breast cancer using artificial intelligence: Convolutional neural network. Technology and Health Care, 2021, 29, 33-43.	0.5	13
11	Mobile health technology to improve maternal health awareness in tribal populations: mobile for mothers. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2467-2474.	2.2	13
12	Impact of using wearable devices on psychological Distress: Analysis of the health information national Trends survey. International Journal of Medical Informatics, 2021, 156, 104612.	1.6	13
13	Toward an Ecologically Valid Conceptual Framework for the Use of Artificial Intelligence in Clinical Settings: Need for Systems Thinking, Accountability, Decision-making, Trust, and Patient Safety Considerations in Safeguarding the Technology and Clinicians. JMIR Human Factors, 2022, 9, e35421.	1.0	13
14	Evaluating Patient Readmission Risk: A Predictive Analytics Approach. American Journal of Engineering and Applied Sciences, 2018, 11, 1320-1331.	0.3	12
15	Exploring the Role of the Internet, Care Quality and Communication in Shaping Mental Health: Analysis of the Health Information National Trends Survey. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 468-477.	3.9	10
16	Rituximab or plasmapheresis for prevention of recurrent focal segmental glomerulosclerosis after kidney transplantation: A systematic review and meta-analysis. World Journal of Transplantation, 2021, 11, 303-319.	0.6	10
17	Humanoid Robot-Application and Influence. Archives of Clinical and Biomedical Research, 2018, 02, .	0.1	10
18	Artificial Intelligence to Improve Health Outcomes in the NICU and PICU: A Systematic Review. Hospital Pediatrics, 2022, 12, 93-110.	0.6	10

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19	Prognosticating Autism Spectrum Disorder Using Artificial Neural Network: Levenberg-Marquardt Algorithm. Archives of Clinical and Biomedical Research, 2018, 02, .	0.1	9
20	Identification of Cancer: Mesothelioma's Disease Using Logistic Regression and Association Rule. American Journal of Engineering and Applied Sciences, 2018, 11, 1310-1319.	0.3	8
21	Role of Artificial Intelligence, Clinicians & Policymakers in Clinical Decision Making: A Systems Viewpoint. , 2019, , .		7
22	Human factors: bridging artificial intelligence and patient safety. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2020, 9, 211-215.	0.2	7
23	Is It Time for Machine Learning Algorithms to Predict the Risk of Kidney Failure in Patients with Chronic Kidney Disease?. Journal of Clinical Medicine, 2021, 10, 1121.	1.0	7
24	Artificial Intelligence in NICU and PICU: A Need for Ecological Validity, Accountability, and Human Factors. Healthcare (Switzerland), 2022, 10, 952.	1.0	6
25	A framework for safeguarding artificial intelligence systems within healthcare. British Journal of Health Care Management, 2019, 25, 1-6.	0.1	5
26	Comparing the Impact of Double and Single Screen Electronic Health Records on Doctor-Patient Non-Verbal Communication. IISE Transactions on Occupational Ergonomics and Human Factors, 2020, 8, 42-49.	0.5	5
27	ReMiT: Redundancy Migration for Latency Aware Fault Tolerant Cache Design in Multicore. , 2018, , .		3
28	Impact of Health Perception and Knowledge on Genetic Testing Decisions Using the Health Belief Model. JCO Clinical Cancer Informatics, 2022, 6, e2100117.	1.0	3
29	Cardiology Admissions from Catheterization Laboratory " Time Series Forecasting. SSRN Electronic Journal, 0, , .	0.4	2
30	Augmenting patient safety through participation by design " An assessment of dual monitors for patients in the outpatient clinic. International Journal of Medical Informatics, 2021, 146, 104345.	1.6	2
31	Gastrointestinal bleeding among hospitalizations for salicylate poisoning in the United States. QJM - Monthly Journal of the Association of Physicians, 2021, 114, 190-195.	0.2	2
32	Classification of Functioning, Disability, and Health: ICF-CY Self Care (SCADI Dataset) Using Predictive Analytics. SSRN Electronic Journal, 0, , .	0.4	2
33	Humanoid Robot: Application and Influence. International Journal of Applied Science - Research and Review, 2018, 05, .	0.2	1
34	Using machine learning to minimize delays caused by prior authorization: A brief report. Cogent Engineering, 2021, 8, 1944961.	1.1	1
35	Human Factors: Bridging Artificial Intelligence and Patient Safety. SSRN Electronic Journal, 0, , .	0.4	1
36	The Impact of Double Screen Electronic Health Records on Doctor-Patient Verbal Communication and Sentiment: Comparing White Americans and African Americans. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Effect of patient portals on perception of care quality, general health, and mental health: An exploratory analysis. <i>Human Factors in Healthcare</i> , 2022, 2, 100018.	0.5	1
38	Hourly Forecasting of Emergency Department Arrivals – Time Series Analysis. <i>SSRN Electronic Journal</i> , 2019, , .	0.4	0
39	Usability Study of a Novel Collaborative Health IT in a Pediatric Intensive Care Unit. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2021, 10, 83-90.	0.2	0
40	Early Prediction of Post-acute Care Discharge Disposition Using Predictive Analytics: Preventing Delays Caused by Prior Health Insurance Authorization and Reducing the Inpatient Length of Stay. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
41	Impact of Gender on Doctor-Patient Communication and Emotion: Exploratory Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
42	Impact of Gender on Doctor-Patient Communication and Emotion: Exploratory Analysis. , 2020, , .		0
43	Using Text Mining to Analyze Doctor-Patient Verbal Communication: A Geriatric Depression Case Study. , 2020, , .		0