

# Tanvi Banerjee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1078496/publications.pdf>

Version: 2024-02-01

32  
papers

562  
citations

759233

12  
h-index

794594

19  
g-index

34  
all docs

34  
docs citations

34  
times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	How do high school students' genetics progression networks change due to genetics instruction and how do they stabilize years after instruction?. Journal of Research in Science Teaching, 2022, 59, 779-807.	3.3	3
2	Improving Pain Assessment Using Vital Signs and Pain Medication for Patients With Sickle Cell Disease: Retrospective Study. JMIR Formative Research, 2022, 6, e36998.	1.4	1
3	Pain Intensity Assessment in Sickle Cell Disease Patients Using Vital Signs During Hospital Visits. Lecture Notes in Computer Science, 2021, 12662, 77-85.	1.3	1
4	Can subjective pain be inferred from objective physiological data? Evidence from patients with sickle cell disease. PLoS Computational Biology, 2021, 17, e1008542.	3.2	4
5	Bridging the Gap between Atomic and Complex Activities in First Person Video. , 2021, , .		1
6	A Usability Analysis on the Development of Caregiver Assessment Using Serious Gaming Technology (CAST) Version 2.0: A Research Update. Journal of Technology in Human Services, 2021, 39, 68-91.	1.6	2
7	Using Machine Learning to Train a Wearable Device for Measuring Studentsâ€™ Cognitive Load during Problem-Solving Activities Based on Electrodermal Activity, Body Temperature, and Heart Rate: Development of a Cognitive Load Tracker for Both Personal and Classroom Use. Sensors, 2020, 20, 4833.	3.8	25
8	Predicting Sleep Quality in Osteoporosis Patients Using Electronic Health Records and Heart Rate Variability. , 2020, 2020, 5571-5574.		5
9	Measuring Pain in Sickle Cell Disease using Clinical Text. , 2020, 2020, 5838-5841.		8
10	Comparison of gait speeds from wearable camera and accelerometer in structured and semi-structured environments. Healthcare Technology Letters, 2020, 7, 25-28.	3.3	8
11	Predicting Early Indicators of Cognitive Decline from Verbal Utterances. , 2020, , .		1
12	Topic-Centric Unsupervised Multi-Document Summarization of Scientific and News Articles. , 2020, , .		7
13	Development of a Daily Use Caregiver Sleep Survey (DUCSS). GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry, 2020, 33, 209-222.	0.5	0
14	Sleep quality prediction in caregivers using physiological signals. Computers in Biology and Medicine, 2019, 110, 276-288.	7.0	32
15	Toward Sensor-Based Sleep Monitoring with Electrodermal Activity Measures. Sensors, 2019, 19, 1417.	3.8	19
16	Continuous Pain Assessment Using Ensemble Feature Selection from Wearable Sensor Data. , 2019, 2019, 569-576.		4
17	Analyzing Public Outlook towards Vaccination using Twitter. , 2019, , .		12
18	Identifying Key Topics Bearing Negative Sentiment on Twitter: Insights Concerning the 2015-2016 Zika Epidemic. JMIR Public Health and Surveillance, 2019, 5, e11036.	2.6	30

#	ARTICLE	IF	CITATIONS
19	Use of Mobile Health Apps and Wearable Technology to Assess Changes and Predict Pain During Treatment of Acute Pain in Sickle Cell Disease: Feasibility Study. JMIR MHealth and UHealth, 2019, 7, e13671.	3.7	36
20	Improving pain management in patients with sickle cell disease from physiological measures using machine learning techniques. Smart Health, 2018, 7-8, 48-59.	3.2	22
21	Validating a commercial device for continuous activity measurement in the older adult population for dementia management. Smart Health, 2018, 5-6, 51-62.	3.2	19
22	Activity Recognition Using Imagery for Smart Home Monitoring. Studies in Computational Intelligence, 2018, , 355-371.	0.9	9
23	Early hospital mortality prediction using vital signals. Smart Health, 2018, 9-10, 265-274.	3.2	46
24	IoT Quality Control for Data and Application Needs. IEEE Intelligent Systems, 2017, 32, 68-73.	4.0	38
25	What Are People Tweeting About Zika? An Exploratory Study Concerning Its Symptoms, Treatment, Transmission, and Prevention. JMIR Public Health and Surveillance, 2017, 3, e38.	2.6	89
26	Preliminary Investigation of Walking Motion Using a Combination of Image and Signal Processing. , 2016, , .		3
27	Recognizing complex instrumental activities of daily living using scene information and fuzzy logic. Computer Vision and Image Understanding, 2015, 140, 68-82.	4.7	32
28	Day or Night Activity Recognition From Video Using Fuzzy Clustering Techniques. IEEE Transactions on Fuzzy Systems, 2014, 22, 483-493.	9.8	82
29	Sit-to-Stand Measurement for In-Home Monitoring Using Voxel Analysis. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1502-1509.	6.3	11
30	Building a framework for recognition of activities of daily living from depth images using fuzzy logic. , 2014, , .		1
31	Detecting foreground disambiguation of depth images using fuzzy logic. , 2013, , .		3
32	Customization of Curriculum Materials in Science: Motives, Challenges, and Opportunities. Journal of Science Education and Technology, 2012, 21, 38-45.	3.9	3