

# Shyamal Patel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4487653/publications.pdf>

Version: 2024-02-01

25  
papers

2,684  
citations

933410

10  
h-index

996954

15  
g-index

26  
all docs

26  
docs citations

26  
times ranked

4108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Voice Biomarkers of Recovery From Acute Respiratory Illness. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2787-2795.	6.3	5
2	Development of digital measures for nighttime scratch and sleep using wrist-worn wearable devices. Npj Digital Medicine, 2021, 4, 42.	10.9	20
3	Multimodal Wearable Sensors to Measure Gait and Voice. Digital Biomarkers, 2020, 3, 133-144.	4.4	11
4	Assessment of Sit-to-Stand Transfers during Daily Life Using an Accelerometer on the Lower Back. Sensors, 2020, 20, 6618.	3.8	14
5	Can mHealth Technology Help Mitigate the Effects of the COVID-19 Pandemic?. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 243-248.	2.3	69
6	Age and environment-related differences in gait in healthy adults using wearables. Npj Digital Medicine, 2020, 3, 127.	10.9	25
7	Sit2StandPy: An Open-Source Python Package for Detecting and Quantifying Sit-to-Stand Transitions Using an Accelerometer on the Lower Back. Journal of Open Source Software, 2020, 5, 2449.	4.6	2
8	The Impact of Reducing the Number of Wearable Devices on Measuring Gait in Parkinson Disease: Noninterventional Exploratory Study. JMIR Rehabilitation and Assistive Technologies, 2020, 7, e17986.	2.2	13
9	Target-Specific Action Classification for Automated Assessment of Human Motor Behavior from Video. Sensors, 2019, 19, 4266.	3.8	4
10	SleepPy: A python package for sleep analysis from accelerometer data. Journal of Open Source Software, 2019, 4, 1663.	4.6	9
11	GaitPy: An Open-Source Python Package for Gait Analysis Using an Accelerometer on the Lower Back. Journal of Open Source Software, 2019, 4, 1778.	4.6	28
12	A wearable system for long-term monitoring of knee kinematics. , 2012, , .		17
13	A review of wearable sensors and systems with application in rehabilitation. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 21.	4.6	1,619
14	Longitudinal monitoring of patients with Parkinson's disease via wearable sensor technology in the home setting. , 2011, 2011, 1552-5.		23
15	A Novel Approach to Monitor Rehabilitation Outcomes in Stroke Survivors Using Wearable Technology. Proceedings of the IEEE, 2010, 98, 450-461.	21.3	139
16	Home monitoring of patients with Parkinson's disease via wearable technology and a web-based application. , 2010, 2010, 4411-4.		55
17	Tracking motor recovery in stroke survivors undergoing rehabilitation using wearable technology. , 2010, 2010, 6858-61.		50
18	MercuryLive: A Web-Enhanced Platform for Long-Term High Fidelity Motion Analysis. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
19	A sensorized glove for hand rehabilitation. , 2009, , .		2
20	Detecting epileptic seizures using wearable sensors. , 2009, , .		14
21	Monitoring Motor Fluctuations in Patients With Parkinson's Disease Using Wearable Sensors. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 864-873.	3.2	477
22	Using wearable sensors to predict the severity of symptoms and motor complications in late stage Parkinson's Disease. , 2008, 2008, 3686-9.		21
23	Analysis of Feature Space for Monitoring Persons with Parkinson's Disease With Application to a Wireless Wearable Sensor System. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6291-4.	0.5	57
24	Effects on Normal Gait of a New Active Knee Orthosis for Hemiparetic Gait Retraining. , 2006, 2006, 1232-5.		6
25	Effects on Normal Gait of a New Active Knee Orthosis for Hemiparetic Gait Retraining. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0