Xin Shi

List of Publications by Year
in descending order

13 papers	**151** citations	1684188 **5** h-index	1588992 **8** g-index
13 all docs	**13** docs citations	**13** times ranked	**150** citing authors

#	Article	IF	Citations
1	Inertial Sensor-Based Analysis of Equestrian Sports Between Beginner and Professional Riders Under Different Horse Gaits. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2692-2704.	4.7	47
2	Using Wearable Sensors to Capture Posture of the Human Lumbar Spine in Competitive Swimming. IEEE Transactions on Human-Machine Systems, 2019, 49, 194-205.	3.5	39
3	Using Body Sensor Network to Measure the Effect of Rehabilitation Therapy on Improvement of Lower Limb Motor Function in Children With Spastic Diplegia. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9215-9227.	4.7	19
4	Swimming Motion Analysis and Posture Recognition Based on Wearable Inertial Sensors. , 2019, , .		14
5	Motion Analysis of Deadlift for Trainers With Different Levels Based on Body Sensor Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	10
6	Multi-body sensor data fusion to evaluate the hippotherapy for motor ability improvement in children with cerebral palsy. Information Fusion, 2021, 70, 115-128.	19.1	8
7	Study on Horse-Rider Interaction Based on Body Sensor Network in Competitive Equitation. IEEE Transactions on Affective Computing, 2022, 13, 553-567.	8.3	7
8	Quantitative Analysis of Abnormal and Normal Gait based on Inertial Sensors. , 2018, , .		2
9	Using Distributed Wearable Inertial Sensors to Measure and Evaluate the Motions of Children with Cerebral Palsy in Hippotherapy. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 332-346.	0.3	2
10	An improved six-position calibration method of accelerometer. , 2021, , .		2
11	A two-step shapelets based framework for interactional activities recognition. Multimedia Tools and Applications, 2022, 81, 17595-17614.	3.9	1
12	A Multi-Featured Analysis for Body Sensor Networks-based Affective Actions Recognition. , 2019, , .		0
13	Performance Characterization of Foot-Mounted Gait Analysis Systems and Related Systems*. , 2019, , .		0