

John Barton

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,085
citations

567281

15
h-index

642732

23
g-index

37
all docs

37
docs citations

37
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of pH sensing materials from macro- to nano-scale: Recent developments and examples of seawater applications. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 979-1021.	12.8	23
2	The Views and Needs of People With Parkinson Disease Regarding Wearable Devices for Disease Monitoring: Mixed Methods Exploration. <i>JMIR Formative Research</i> , 2022, 6, e27418.	1.4	12
3	State-of-the-Art Sensors Research in Ireland. <i>Sensors</i> , 2022, 22, 629.	3.8	0
4	A Novel RCS based CRFID Tag Design. , 2022, , .		7
5	Continuous home monitoring of Parkinsonâ€™s disease using inertial sensors: A systematic review. <i>PLoS ONE</i> , 2021, 16, e0246528.	2.5	50
6	Design of a Wearable Bruxism Detection Device. , 2021, , .		0
7	A Wearable System for the Estimation of Performance-Related Metrics during Running and Jumping Tasks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5258.	2.5	8
8	Feasibility of Sensor Technology for Balance Assessment in Home Rehabilitation Settings. <i>Sensors</i> , 2021, 21, 4438.	3.8	7
9	A Smart Archive Box for Museum Artifact Monitoring Using Battery-Less Temperature and Humidity Sensing. <i>Sensors</i> , 2021, 21, 4903.	3.8	21
10	A Bandwidth-Enhanced Sub-GHz Wristwatch Antenna Using an Optimized Feed Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1389-1393.	4.0	3
11	Older Adultsâ€™ Experiences With Using Wearable Devices: Qualitative Systematic Review and Meta-synthesis. <i>JMIR MHealth and UHealth</i> , 2021, 9, e23832.	3.7	63
12	A Museum Artefact Monitoring Testbed using LoRaWAN. , 2021, , .		4
13	Investigation of the analysis of wearable data for cancer-specific mortality prediction in older adults. , 2021, 2021, 1848-1851.		3
14	Comparison of Machine Learning Techniques for Mortality Prediction in a Prospective Cohort of Older Adults. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12806.	2.6	7
15	Effects of segment masses and cut-off frequencies on the estimation of vertical ground reaction forces in running. <i>Journal of Biomechanics</i> , 2020, 99, 109552.	2.1	4
16	Wearable motion sensors and artificial neural network for the estimation of vertical ground reaction forces in running. , 2020, , .		4
17	A Wristwatch-Based Wireless Sensor Platform for IoT Health Monitoring Applications. <i>Sensors</i> , 2020, 20, 1675.	3.8	40
18	Accuracy of consumer-level and research-grade activity trackers in ambulatory settings in older adults. <i>PLoS ONE</i> , 2019, 14, e0216891.	2.5	80

#	ARTICLE	IF	CITATIONS
19	Predicting Three-Dimensional Ground Reaction Forces in Running by Using Artificial Neural Networks and Lower Body Kinematics. IEEE Access, 2019, 7, 156779-156786.	4.2	39
20	Validity Evaluation of the Fitbit Charge2 and the Garmin vivosmart HR+ in Free-Living Environments in an Older Adult Cohort. JMIR MHealth and UHealth, 2019, 7, e13084.	3.7	93
21	A Comprehensive Comparison of Commercial Wrist- Worn Trackers in a Young Cohort in a Lab-Environment. , 2018, , .		4
22	Potential of Sub-GHz Wireless for Future IoT Wearables and Design of Compact 915 MHz Antenna. Sensors, 2018, 18, 22.	3.8	24
23	Indirect Measurement of Ground Reaction Forces and Moments by Means of Wearable Inertial Sensors: A Systematic Review. Sensors, 2018, 18, 2564.	3.8	140
24	Synthesis and characterization of nanocomposites based on PANI and carbon nanostructures prepared by electropolymerization. Materials Chemistry and Physics, 2017, 185, 83-90.	4.0	25
25	A Review of Activity Trackers for Senior Citizens: Research Perspectives, Commercial Landscape and the Role of the Insurance Industry. Sensors, 2017, 17, 1277.	3.8	99
26	Screen-printed electrodes for environmental monitoring of heavy metal ions: a review. Mikrochimica Acta, 2016, 183, 503-517.	5.0	227
27	New cost-effective, interoperable sensors tested on existing ocean observing platforms in application of European directives: The COMMON SENSE European project. , 2015, , .		4
28	Arrow-mounted Ballistic System for Measuring Performance of Arrows Equipped with Hunting Broadheads. Procedia Engineering, 2012, 34, 455-460.	1.2	1
29	A miniaturised arrow ballistic measurement system. , 2011, , .		1
30	Distributed, Embedded Sensor and Actuator Platforms. Microsystems, 2008, , 105-129.	0.3	3
31	Embedded Microelectronic Subsystems. Microsystems, 2008, , 131-153.	0.3	0
32	Microstructural, mechanical, fractural and electrical characterization of thinned and singulated silicon test die. Journal of Micromechanics and Microengineering, 2006, 16, 1519-1529.	2.6	17
33	Development of field programmable modular wireless sensor network nodes for ambient systems. Computer Communications, 2005, 28, 1531-1544.	5.1	51
34	The DSYS25 sensor platform. , 2004, , .		17