SaÅ¡o TomaÅ¾iÄ•

List of Publications by Year
in descending order

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64	1,093	567144	434063
papers	citations	15	31
		h-index	g-index

73	73	73	1277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Analysis of the Precision and Reliability of the Leap Motion Sensor and Its Suitability for Static and Dynamic Tracking. Sensors, 2014, 14, 3702-3720.	2.1	320
2	A user study of auditory versus visual interfaces for use while driving. International Journal of Human Computer Studies, 2008, 66, 318-332.	3.7	100
3	Evaluation of Smartphone Inertial Sensor Performance for Cross-Platform Mobile Applications. Sensors, 2016, 16, 477.	2.1	51
4	MC Sensorâ€"A Novel Method for Measurement of Muscle Tension. Sensors, 2011, 11, 9411-9425.	2.1	43
5	Time- and Computation-Efficient Calibration of MEMS 3D Accelerometers and Gyroscopes. Sensors, 2014, 14, 14885-14915.	2.1	43
6	Suitability of Smartphone Inertial Sensors for Real-Time Biofeedback Applications. Sensors, 2016, 16, 301.	2.1	43
7	Spatial sound localization in an augmented reality environment. , 2006, , .		40
8	Angle Estimation of Simultaneous Orthogonal Rotations from 3D Gyroscope Measurements. Sensors, 2011, 11, 8536-8549.	2.1	39
9	Wearable training system with real-time biofeedback and gesture user interface. Personal and Ubiquitous Computing, 2015, 19, 989-998.	1.9	36
10	Concepts, Ontologies, and Knowledge Representation. SpringerBriefs in Computer Science, 2013, , .	0.2	33
11	New Benchmarking Methodology and Programming Model for Big Data Processing. International Journal of Distributed Sensor Networks, 2015, 11, 271752.	1.3	26
12	Suitability of Strain Gage Sensors for Integration into Smart Sport Equipment: A Golf Club Example. Sensors, 2017, 17, 916.	2.1	24
13	Early Improper Motion Detection in Golf Swings Using Wearable Motion Sensors: The First Approach. Sensors, 2013, 13, 7505-7521.	2.1	21
14	In-Vivo Measurement of Muscle Tension: Dynamic Properties of the MC Sensor during Isometric Muscle Contraction. Sensors, 2014, 14, 17848-17863.	2.1	20
15	Sorting Networks on Maxeler Dataflow Supercomputing Systems. Advances in Computers, 2015, 96, 139-186.	1.2	20
16	Spatial sound resolution of an interpolated HRIR library. Applied Acoustics, 2005, 66, 1219-1234.	1.7	18
17	Multiple spatial sounds in hierarchical menu navigation for visually impaired computer users. International Journal of Human Computer Studies, 2011, 69, 100-112.	3.7	17
18	A system for efficient motor learning using multimodal augmented feedback. Multimedia Tools and Applications, 2017, 76, 20409-20421.	2.6	17

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19	Review of Real-Time Biomechanical Feedback Systems in Sport and Rehabilitation. Sensors, 2022, 22, 3006.	2.1	16
20	The role of science and technology in sport. Procedia Computer Science, 2018, 129, 489-495.	1.2	15
21	Electrogastrography in Autonomous Vehiclesâ€"An Objective Method for Assessment of Motion Sickness in Simulated Driving Environments. Sensors, 2021, 21, 550.	2.1	12
22	Potential of IMU-Based Systems in Measuring Single Rapid Movement Variables in Females with Different Training Backgrounds and Specialization. Applied Bionics and Biomechanics, 2020, 2020, 1-7.	0.5	10
23	Spatial Auditory Interface for an Embedded Communication Device in a Car. , 2008, , .		8
24	Application for Impact Position Evaluation in Tennis Using UWB Localization. Procedia Computer Science, 2019, 147, 307-313.	1.2	8
25	Can IMU Provide an Accurate Vertical Jump Height Estimate?. Applied Sciences (Switzerland), 2021, 11, 12025.	1.3	8
26	Identification and Selection of Sensors Suitable for Integration into Sport Equipment: Smart Golf Club. , 2016, , .		6
27	Enhanced Synthesized Text Reader for Visually Impaired Users. , 2010, , .		5
28	The use of Spatialized Speech in Auditory Interfaces for Computer users who are Visually Impaired. Journal of Visual Impairment and Blindness, 2012, 106, 634-645.	0.4	5
29	Biofeedback in sport: Challenges in real-time motion tracking and processing. , 2015, , .		5
30	Long term evolution: Towards 4th generation of mobile telephony and beyond. , 2009, , .		4
31	Concept modeling: From origins to multimedia. Multimedia Tools and Applications, 2011, 51, 1175-1200.	2.6	4
32	Fast file existence checking in archiving systems. ACM Transactions on Storage, 2011, 7, 1-21.	1.4	4
33	Impact of Social Network to Churn in Mobile Network. Automatika, 2015, 56, 252-261.	1.2	4
34	Real-time eHealth visualisation and actuation platform. International Journal of Embedded Systems, 2015, 7, 104.	0.2	4
35	On the Interpretation of 3D Gyroscope Measurements. Journal of Sensors, 2018, 2018, 1-8.	0.6	4
36	2.5 Gbit/s PRBS Generator and Checker. , 2006, , .		3

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37	An elevation coding method for auditory displays. Applied Acoustics, 2008, 69, 233-241.	1.7	3
38	Characterizing Graphical Desktop Sharing System's Workload in Collaborative Virtual Environments. , 2009, , .		3
39	Knowledge Representation. SpringerBriefs in Computer Science, 2013, , 47-62.	0.2	3
40	Performance of the bitonic mergesort network on a Dataflow computer. , 2013, , .		3
41	Spatial Auditory Interface for Word Processing Application. , 2009, , .		2
42	Off-resonance frequency filtered magnetic resonance imaging. Magnetic Resonance Imaging, 2010, 28, 527-536.	1.0	2
43	Methodology for Written and Oral Presentation of Research Results. Journal of Professional Issues in Engineering Education and Practice, 2010, 136, 112-117.	0.9	2
44	3D audio in human-computer interfaces. , 2014, , .		2
45	Big Data Processing: Data Flow vs Control Flow (New Benchmarking Methodology). , 2014, , .		2
46	Auditory Interfaces. SpringerBriefs in Computer Science, 2015, , 33-44.	0.2	2
47	Computationally Efficient 3D Orientation Tracking Using Gyroscope Measurements. Sensors, 2020, 20, 2240.	2.1	2
48	Ontologies. SpringerBriefs in Computer Science, 2013, , 29-46.	0.2	2
49	Dance Tempo Estimation Using a Single Leg-Attached 3D Accelerometer. Sensors, 2021, 21, 8066.	2.1	2
50	Recognizing Solo Jazz Dance Moves Using a Single Leg-Attached Inertial Wearable Device. Sensors, 2022, 22, 2446.	2.1	2
51	MRI mapping of microvascular permeability and tissue blood volume. Pflugers Archiv European Journal of Physiology, 1996, 431, R263-R264.	1.3	1
52	Fast frequency selective MR imaging. Magnetic Resonance Imaging, 2005, 23, 769-778.	1.0	1
53	Reduction of False Positive Intrusions by using Neural Nets. , 2007, , .		1
54	A Random Forest-Based Accuracy Prediction Model for Augmented Biofeedback in a Precision Shooting Training System. Sensors, 2020, 20, 4512.	2.1	1

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55	Concept Modeling and Its Application to Patent Modeling. , 2007, , .		0
56	CostGlue: Simulation Data Exchange in Telecommunications. Simulation, 2008, 84, 157-168.	1.1	0
57	SmartSKI: Application of Sensors Integrated into Sport Equipment. , 2016, , .		0
58	A Tool for Packaging and Exchanging Simulation Results. , 2007, , 443-462.		0
59	Mobile Communications. , 2007, , .		0
60	Spectral Efficiency. , 2007, , .		0
61	Multiple Access Techniques. , 2007, , .		0
62	Spatial Sound. SpringerBriefs in Computer Science, 2015, , 5-32.	0.2	0
63	Spatial Auditory Interfaces. SpringerBriefs in Computer Science, 2015, , 45-79.	0.2	0
64	Profit: The Cause of Crisis in Capitalism. Athens Journal of Business & Economics, 2017, 3, 187-198.	0.2	0