

# SaÅjo TomaÅ¾iÄ•

## List of Publications by Year in descending order

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64  
papers

1,093  
citations

567144

15  
h-index

434063

31  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1277  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Real-Time Biomechanical Feedback Systems in Sport and Rehabilitation. <i>Sensors</i> , 2022, 22, 3006.	2.1	16
2	Recognizing Solo Jazz Dance Moves Using a Single Leg-Attached Inertial Wearable Device. <i>Sensors</i> , 2022, 22, 2446.	2.1	2
3	Electrogastrography in Autonomous Vehicles—An Objective Method for Assessment of Motion Sickness in Simulated Driving Environments. <i>Sensors</i> , 2021, 21, 550.	2.1	12
4	Dance Tempo Estimation Using a Single Leg-Attached 3D Accelerometer. <i>Sensors</i> , 2021, 21, 8066.	2.1	2
5	Can IMU Provide an Accurate Vertical Jump Height Estimate?. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12025.	1.3	8
6	Potential of IMU-Based Systems in Measuring Single Rapid Movement Variables in Females with Different Training Backgrounds and Specialization. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-7.	0.5	10
7	A Random Forest-Based Accuracy Prediction Model for Augmented Biofeedback in a Precision Shooting Training System. <i>Sensors</i> , 2020, 20, 4512.	2.1	1
8	Computationally Efficient 3D Orientation Tracking Using Gyroscope Measurements. <i>Sensors</i> , 2020, 20, 2240.	2.1	2
9	Application for Impact Position Evaluation in Tennis Using UWB Localization. <i>Procedia Computer Science</i> , 2019, 147, 307-313.	1.2	8
10	The role of science and technology in sport. <i>Procedia Computer Science</i> , 2018, 129, 489-495.	1.2	15
11	On the Interpretation of 3D Gyroscope Measurements. <i>Journal of Sensors</i> , 2018, 2018, 1-8.	0.6	4
12	A system for efficient motor learning using multimodal augmented feedback. <i>Multimedia Tools and Applications</i> , 2017, 76, 20409-20421.	2.6	17
13	Suitability of Strain Gage Sensors for Integration into Smart Sport Equipment: A Golf Club Example. <i>Sensors</i> , 2017, 17, 916.	2.1	24
14	Profit: The Cause of Crisis in Capitalism. <i>Athens Journal of Business &amp; Economics</i> , 2017, 3, 187-198.	0.2	0
15	Evaluation of Smartphone Inertial Sensor Performance for Cross-Platform Mobile Applications. <i>Sensors</i> , 2016, 16, 477.	2.1	51
16	Suitability of Smartphone Inertial Sensors for Real-Time Biofeedback Applications. <i>Sensors</i> , 2016, 16, 301.	2.1	43
17	SmartSKI: Application of Sensors Integrated into Sport Equipment. , 2016, , .		0
18	Identification and Selection of Sensors Suitable for Integration into Sport Equipment: Smart Golf Club. , 2016, , .		6

#	ARTICLE	IF	CITATIONS
19	Impact of Social Network to Churn in Mobile Network. <i>Automatika</i> , 2015, 56, 252-261.	1.2	4
20	Wearable training system with real-time biofeedback and gesture user interface. <i>Personal and Ubiquitous Computing</i> , 2015, 19, 989-998.	1.9	36
21	Real-time eHealth visualisation and actuation platform. <i>International Journal of Embedded Systems</i> , 2015, 7, 104.	0.2	4
22	Biofeedback in sport: Challenges in real-time motion tracking and processing. , 2015, , .		5
23	Sorting Networks on Maxeler Dataflow Supercomputing Systems. <i>Advances in Computers</i> , 2015, 96, 139-186.	1.2	20
24	Auditory Interfaces. <i>SpringerBriefs in Computer Science</i> , 2015, , 33-44.	0.2	2
25	New Benchmarking Methodology and Programming Model for Big Data Processing. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 271752.	1.3	26
26	Spatial Sound. <i>SpringerBriefs in Computer Science</i> , 2015, , 5-32.	0.2	0
27	Spatial Auditory Interfaces. <i>SpringerBriefs in Computer Science</i> , 2015, , 45-79.	0.2	0
28	3D audio in human-computer interfaces. , 2014, , .		2
29	In-Vivo Measurement of Muscle Tension: Dynamic Properties of the MC Sensor during Isometric Muscle Contraction. <i>Sensors</i> , 2014, 14, 17848-17863.	2.1	20
30	An Analysis of the Precision and Reliability of the Leap Motion Sensor and Its Suitability for Static and Dynamic Tracking. <i>Sensors</i> , 2014, 14, 3702-3720.	2.1	320
31	Time- and Computation-Efficient Calibration of MEMS 3D Accelerometers and Gyroscopes. <i>Sensors</i> , 2014, 14, 14885-14915.	2.1	43
32	Big Data Processing: Data Flow vs Control Flow (New Benchmarking Methodology). , 2014, , .		2
33	Concepts, Ontologies, and Knowledge Representation. <i>SpringerBriefs in Computer Science</i> , 2013, , .	0.2	33
34	Knowledge Representation. <i>SpringerBriefs in Computer Science</i> , 2013, , 47-62.	0.2	3
35	Early Improper Motion Detection in Golf Swings Using Wearable Motion Sensors: The First Approach. <i>Sensors</i> , 2013, 13, 7505-7521.	2.1	21
36	Performance of the bitonic mergesort network on a Dataflow computer. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
37	Ontologies. SpringerBriefs in Computer Science, 2013, , 29-46.	0.2	2
38	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
39	Concept modeling: From origins to multimedia. Multimedia Tools and Applications, 2011, 51, 1175-1200.	2.6	4
40	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
41	Fast file existence checking in archiving systems. ACM Transactions on Storage, 2011, 7, 1-21.	1.4	4
42	Angle Estimation of Simultaneous Orthogonal Rotations from 3D Gyroscope Measurements. Sensors, 2011, 11, 8536-8549.	2.1	39
43	MC Sensorâ€”A Novel Method for Measurement of Muscle Tension. Sensors, 2011, 11, 9411-9425.	2.1	43
44	Off-resonance frequency filtered magnetic resonance imaging. Magnetic Resonance Imaging, 2010, 28, 527-536.	1.0	2
45	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
46	Enhanced Synthesized Text Reader for Visually Impaired Users. , 2010, , .		5
47	Characterizing Graphical Desktop Sharing System's Workload in Collaborative Virtual Environments. , 2009, , .		3
48	Long term evolution: Towards 4th generation of mobile telephony and beyond. , 2009, , .		4
49	Spatial Auditory Interface for Word Processing Application. , 2009, , .		2
50	An elevation coding method for auditory displays. Applied Acoustics, 2008, 69, 233-241.	1.7	3
51	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
52	Spatial Auditory Interface for an Embedded Communication Device in a Car. , 2008, , .		8
53	CostGlue: Simulation Data Exchange in Telecommunications. Simulation, 2008, 84, 157-168.	1.1	0
54	Concept Modeling and Its Application to Patent Modeling. , 2007, , .		0

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55	Reduction of False Positive Intrusions by using Neural Nets. , 2007, , .		1
56	A Tool for Packaging and Exchanging Simulation Results. , 2007, , 443-462.		0
57	Mobile Communications. , 2007, , .		0
58	Spectral Efficiency. , 2007, , .		0
59	Multiple Access Techniques. , 2007, , .		0
60	2.5 Gbit/s PRBS Generator and Checker. , 2006, , .		3
61	Spatial sound localization in an augmented reality environment. , 2006, , .		40
62	Spatial sound resolution of an interpolated HRIR library. Applied Acoustics, 2005, 66, 1219-1234.	1.7	18
63	Fast frequency selective MR imaging. Magnetic Resonance Imaging, 2005, 23, 769-778.	1.0	1
64	MRI mapping of microvascular permeability and tissue blood volume. Pflugers Archiv European Journal of Physiology, 1996, 431, R263-R264.	1.3	1