

Anton Kos

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

989
citations

430754

18
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477173

29
g-index

74
all docs

74
docs citations

74
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of UWB positioning systems for player tracking in tennis. Personal and Ubiquitous Computing, 2022, 26, 1023-1033.	1.9	4
2	Decentralized Machine Autonomy for Manufacturing Servitization. Sensors, 2022, 22, 338.	2.1	6
3	Review of Real-Time Biomechanical Feedback Systems in Sport and Rehabilitation. Sensors, 2022, 22, 3006.	2.1	16
4	Grip Force Measurement System in Climbing. Procedia Computer Science, 2022, 202, 367-372.	1.2	0
5	Development of a platform for sensor systems support in sport. Procedia Computer Science, 2022, 202, 360-366.	1.2	2
6	Rethinking Golf Swing Classification: From A Frequency Domain View. Procedia Computer Science, 2022, 202, 252-259.	1.2	0
7	The role of technology for accelerated motor learning in sport. Personal and Ubiquitous Computing, 2021, 25, 969-978.	1.9	13
8	Sensor Based Agility Assessment in Sport. Procedia Computer Science, 2021, 187, 440-446.	1.2	3
9	Validation of MEMS Accelerometer for Rapid Hand Movement Measurement. Procedia Computer Science, 2021, 187, 530-537.	1.2	0
10	Information, communication and computing technologies as enablers of advancements in modern information society. Personal and Ubiquitous Computing, 2021, 25, 957.	1.9	0
11	Use of IMU in Differential Analysis of the Reverse Punch Temporal Structure in Relation to the Achieved Maximal Hand Velocity. Sensors, 2021, 21, 4148.	2.1	5
12	Metrical characteristics and the reliability of kinematic sensor devices applied in different modalities of reverse punch in karate athletes. Measurement: Journal of the International Measurement Confederation, 2021, 177, 109315.	2.5	6
13	Can IMU Provide an Accurate Vertical Jump Height Estimate?. Applied Sciences (Switzerland), 2021, 11, 12025.	1.3	8
14	The relationship of pistol movement measured by a kinematic sensor, shooting performance and handgrip strength. International Journal of Performance Analysis in Sport, 2020, 20, 1107-1119.	0.5	3
15	Reliable Communication Protocol for Coach Based Augmented Biofeedback Applications in Swimming. Procedia Computer Science, 2020, 174, 351-357.	1.2	2
16	eEquilibrium: A Prototype of a Sensor-Based Balance Training and Monitoring System. Procedia Computer Science, 2020, 174, 340-346.	1.2	2
17	Machine Learning based Accuracy Prediction Model for Augmented Biofeedback in Precision Shooting. Procedia Computer Science, 2020, 174, 358-363.	1.2	1
18	Sensor system for augmented feedback applications in volleyball. Procedia Computer Science, 2020, 174, 369-374.	1.2	4

#	ARTICLE	IF	CITATIONS
19	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
20	Sport Biomechanics Applications Using Inertial, Force, and EMG Sensors: A Literature Overview. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-18.	0.5	60
21	Correctness of the Chord protocol. <i>Computer Science and Information Systems</i> , 2020, 17, 141-160.	0.7	1
22	Wearable Sensor Devices for Prevention and Rehabilitation in Healthcare: Swimming Exercise With Real-Time Therapist Feedback. <i>IEEE Internet of Things Journal</i> , 2019, 6, 1331-1341.	5.5	67
23	Sensor System for Precision Shooting Evaluation and Real-time Biofeedback. <i>Procedia Computer Science</i> , 2019, 147, 319-323.	1.2	8
24	Application for Impact Position Evaluation in Tennis Using UWB Localization. <i>Procedia Computer Science</i> , 2019, 147, 307-313.	1.2	8
25	An XGBoost-based physical fitness evaluation model using advanced feature selection and Bayesian hyper-parameter optimization for wearable running monitoring. <i>Computer Networks</i> , 2019, 151, 166-180.	3.2	95
26	Challenges in wireless communication for connected sensors and wearable devices used in sport biofeedback applications. <i>Future Generation Computer Systems</i> , 2019, 92, 582-592.	4.9	60
27	Mathematical model of short distance pistol shooting performance in experienced shooters of both gender. <i>Nauka Bezbednost Policija</i> , 2019, 24, 3-13.	0.5	3
28	Bitcoin Mining Using Maxeler DataFlow Computers. <i>Computer Communications and Networks</i> , 2019, , 241-311.	0.8	0
29	The role of science and technology in sport. <i>Procedia Computer Science</i> , 2018, 129, 489-495.	1.2	15
30	Wearable sensors and smart equipment for feedback in watersports. <i>Procedia Computer Science</i> , 2018, 129, 496-502.	1.2	24
31	Multi-sensor Golf Swing Classification Using Deep CNN. <i>Procedia Computer Science</i> , 2018, 129, 59-65.	1.2	23
32	A sensor-based wrist pulse signal processing and lung cancer recognition. <i>Journal of Biomedical Informatics</i> , 2018, 79, 107-116.	2.5	53
33	Smart sport equipment: SmartSki prototype for biofeedback applications in skiing. <i>Personal and Ubiquitous Computing</i> , 2018, 22, 535-544.	1.9	31
34	Dynamic Modeling of Failure Events in Preventative Pipe Maintenance. <i>IEEE Access</i> , 2018, 6, 12539-12550.	2.6	3
35	Towards Real-Time Multi-Sensor Golf Swing Classification Using Deep CNNs. <i>Journal of Database Management</i> , 2018, 29, 17-42.	1.0	12
36	Sensor selection scheme in activity recognition based on hierarchical feature reduction. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771879380.	1.3	2

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37	Strain Gage Sensor Based Golfer Identification Using Machine Learning Algorithms. Procedia Computer Science, 2018, 129, 135-140.	1.2	4
38	Hierarchical Feature Reduction with Max Relevance and Low Dimensional Embedding Strategy and Its Application in Activity Recognition with Multi-sensors. Procedia Computer Science, 2018, 129, 284-290.	1.2	2
39	Biofeedback Systems in Sport and Rehabilitation. Human-computer Interaction Series, 2018, , 61-79.	0.4	0
40	Biomechanical Biofeedback Systems and Applications. Human-computer Interaction Series, 2018, , .	0.4	11
41	Performance Limitations of Biofeedback System Technologies. Human-computer Interaction Series, 2018, , 81-116.	0.4	2
42	Biomechanical Biofeedback. Human-computer Interaction Series, 2018, , 25-38.	0.4	3
43	Golf swing classification with multiple deep convolutional neural networks. International Journal of Distributed Sensor Networks, 2018, 14, 155014771880218.	1.3	16
44	Privacy in the Internet of Things. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	0.8	1
45	Positioning Performance Assessment of Geodetic, Automotive, and Smartphone GNSS Receivers in Standardized Road Scenarios. IEEE Access, 2018, 6, 41410-41428.	2.6	21
46	SMART EQUIPMENT DESIGN CHALLENGES FOR REAL TIME FEEDBACK SUPPORT IN SPORT. Facta Universitatis, Series: Mechanical Engineering, 2018, 16, 389.	2.3	11
47	Maximum force of hand grip in the function of precision and accuracy of shooting from the official CZ 99 handgun from: Generic models. Bezbednost Beograd, 2018, 60, 30-49.	0.2	4
48	Biofeedback System. Human-computer Interaction Series, 2018, , 39-47.	0.4	0
49	Biofeedback System Architectures. Human-computer Interaction Series, 2018, , 49-59.	0.4	0
50	Clustering by fast search and merge of local density peaks for gene expression microarray data. Scientific Reports, 2017, 7, 45602.	1.6	48
51	Public Interest Analysis Based on Implicit Feedback of IPTV Users. IEEE Transactions on Industrial Informatics, 2017, 13, 2077-2086.	7.2	7
52	Suitability of Strain Gage Sensors for Integration into Smart Sport Equipment: A Golf Club Example. Sensors, 2017, 17, 916.	2.1	24
53	COMPUTERIZED RADIAL ARTERY PULSE SIGNAL CLASSIFICATION FOR LUNG CANCER DETECTION. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 535.	2.3	1
54	Evaluation of Smartphone Inertial Sensor Performance for Cross-Platform Mobile Applications. Sensors, 2016, 16, 477.	2.1	51

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55	The Role of High Performance Computing and Communication for Real-Time Biofeedback in Sport. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-11.	0.6	19
56	Suitability of Smartphone Inertial Sensors for Real-Time Biofeedback Applications. <i>Sensors</i> , 2016, 16, 301.	2.1	43
57	A Pulse Rate Estimation Algorithm Using PPG and Smartphone Camera. <i>Journal of Medical Systems</i> , 2016, 40, 126.	2.2	47
58	Validation of smartphone gyroscopes for mobile biofeedback applications. <i>Personal and Ubiquitous Computing</i> , 2016, 20, 657-666.	1.9	23
59	SmartSKI: Application of Sensors Integrated into Sport Equipment. , 2016, , .		0
60	Biomechanical Model for Detection of Vertigo Disease. , 2016, , .		0
61	Identification and Selection of Sensors Suitable for Integration into Sport Equipment: Smart Golf Club. , 2016, , .		6
62	Comparison of Smartphone Sensors Performance Using Participatory Sensing and Cloud Application. , 2015, , .		0
63	Validation of Smartphone Gyroscopes for Angular Tracking in Biofeedback Applications. , 2015, , .		1
64	Wearable training system with real-time biofeedback and gesture user interface. <i>Personal and Ubiquitous Computing</i> , 2015, 19, 989-998.	1.9	36
65	Biofeedback in sport: Challenges in real-time motion tracking and processing. , 2015, , .		5
66	Sorting Networks on Maxeler Dataflow Supercomputing Systems. <i>Advances in Computers</i> , 2015, 96, 139-186.	1.2	20
67	New Benchmarking Methodology and Programming Model for Big Data Processing. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 271752.	1.3	26
68	Autonomous Wearable Personal Training System with Real-Time Biofeedback and Gesture User Interface. , 2014, , .		5
69	Big Data Processing: Data Flow vs Control Flow (New Benchmarking Methodology). , 2014, , .		2
70	Performance of the bitonic mergesort network on a Dataflow computer. , 2013, , .		3
71	Fast file existence checking in archiving systems. <i>ACM Transactions on Storage</i> , 2011, 7, 1-21.	1.4	4
72	Involving Consumers in the Programmes of Consumption Adjustment by Using Dynamic Tariffing Within the European Project Flex4Grid. , 0, , .		0