Haiwei Dong

List of Publications by Year
in descending order

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49	870	623734	526287
papers	citations	14 h-index	27 g-index

50	50	50	949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sitting Posture Recognition Using a Spiking Neural Network. IEEE Sensors Journal, 2021, 21, 1779-1786.	4.7	19
2	Next-Generation Data Center Network Enabled by Machine Learning: Review, Challenges, and Opportunities. IEEE Access, 2021, 9, 136459-136475.	4.2	8
3	Learning to Estimate 3D Human Pose From Point Cloud. IEEE Sensors Journal, 2020, 20, 12334-12342.	4.7	17
4	Deep Learning in Next-Frame Prediction: A Benchmark Review. IEEE Access, 2020, 8, 69273-69283.	4.2	35
5	A Deep Learning System for Recognizing Facial Expression in Real-Time. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-20.	4.3	31
6	EVM-CNN: Real-Time Contactless Heart Rate Estimation From Facial Video. IEEE Transactions on Multimedia, 2019, 21, 1778-1787.	7.2	105
7	Visualizing Toronto City Data with HoloLens: Using Augmented Reality for a City Model. IEEE Consumer Electronics Magazine, 2018, 7, 73-80.	2.3	37
8	3-D Markerless Tracking of Human Gait by Geometric Trilateration of Multiple Kinects. IEEE Systems Journal, 2018, 12, 1393-1403.	4.6	16
9	Baidu Meizu Deep Learning Competition: Arithmetic Operation Recognition Using End-to-End Learning OCR Technologies. IEEE Access, 2018, 6, 60128-60136.	4.2	16
10	Open Data-Set of Seven Canadian Cities. IEEE Access, 2017, 5, 529-543.	4.2	17
11	Development of a Self-Calibrated Motion Capture System by Nonlinear Trilateration of Multiple Kinects v2. IEEE Sensors Journal, 2017, 17, 2481-2491.	4.7	17
12	Development of an automatic 3D human head scanning-printing system. Multimedia Tools and Applications, 2017, 76, 4381-4403.	3.9	5
13	See in 3D: state of the art of 3D display technologies. Multimedia Tools and Applications, 2016, 75, 17121-17155.	3.9	33
14	CAHR: A Contextually Adaptive Home-Based Rehabilitation Framework. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 427-438.	4.7	8
15	Evaluating and Improving the Depth Accuracy of Kinect for Windows v2. IEEE Sensors Journal, 2015, 15, 4275-4285.	4.7	234
16	A Combined Approach Toward Consistent Reconstructions of Indoor Spaces Based on 6D RGB-D Odometry and KinectFusion. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-10.	4.5	8
17	Adaptive â€œload-distributedâ€•muscle coordination method for kinematically redundant musculoskeletal humanoid systems. Robotics and Autonomous Systems, 2015, 64, 59-69.	5.1	7
18	Cloud-based rehabilitation exergames system. , 2014, , .		7

#	Article	IF	Citations
19	Towards Whole Body Fatigue Assessment of Human Movement: A Fatigue-Tracking System Based on Combined sEMG and Accelerometer Signals. Sensors, 2014, 14, 2052-2070.	3.8	30
20	Development of a fatigue-tracking system for monitoring human body movement. , 2014, , .		6
21	Towards consistent reconstructions of indoor spaces based on 6D RGB-D odometry and KinectFusion. , 2014, , .		8
22	One-Day Long Statistical Analysis of Parking Demand by Using Single-Camera Vacancy Detection. Journal of Transportation System Engineering and Information Technology, 2014, 14, 33-44.	0.6	17
23	Recovery Prediction in the Framework of Cloud-Based Rehabilitation Exergame. Lecture Notes in Computer Science, 2014, , 256-265.	1.3	4
24	Muscle force distribution for adaptive control of a humanoid robot arm with redundant bi-articular and mono-articular muscle mechanism. Artificial Life and Robotics, 2013, 18, 41-51.	1.2	3
25	“Anti-fatigue” control for over-actuated bionic arm with muscle force constraints. , 2013, , .		2
26	Muscle Force Control of a Kinematically Redundant Bionic Arm with Real-Time Parameter Update. , 2013, , .		10
27	From Sense to Print: Towards Automatic 3D Printing from 3D Sensing Devices. , 2013, , .		11
28	Approaching Behaviour Monitor and Vibration Indication in Developing a General Moving Object Alarm System (GMOAS). International Journal of Advanced Robotic Systems, 2013, 10, 290.	2.1	17
29	Balance Fatigue Design of Cast Steel Nodes in Tubular Steel Structures. Scientific World Journal, The, 2013, 2013, 1-10.	2.1	4
30	A Fast Laser Motion Detection and Approaching Behavior Monitoring Method for Moving Object Alarm System (MOAS). Procedia Engineering, 2012, 41, 749-756.	1.2	2
31	An Intelligent Sensing System for Sleep Motion and Stage Analysis. Procedia Engineering, 2012, 41, 1128-1134.	1.2	9
32	To ask or to sense? Planning to integrate speech and sensorimotor acts. , 2012, , .		1
33	Image-based date fruit classification. , 2012, , .		52
34	Adaptive biarticular muscle force control for humanoid robot arms. , 2012, , .		7
35	Car Parking Vacancy Detection and Its Application in 24-Hour Statistical Analysis. , 2012, , .		36
36	An adaptive treadmill-style locomotion interface and its application in 3-D interactive virtual market system. Intelligent Service Robotics, 2012, 5, 159-167.	2.6	5

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37	Cost-Effective Single-Camera Multi-Car Parking Monitoring and Vacancy Detection towards Real-World Parking Statistics and Real-Time Reporting. Lecture Notes in Computer Science, 2012, , 506-515.	1.3	12
38	Modeling and Control of a Humanoid Robot Arm with Redundant Biarticular Muscle Torques. , 2012, , .		0
39	Development of a Novel Conversational Calculator Based on Remote Online Computation. Lecture Notes in Computer Science, 2012, , 142-151.	1.3	0
40	Human factor affects eye movement pattern during riding motorcycle on the mountain. , 2011, , .		0
41	Adaptive Control Scheme with Parameter Adaptation - From Human Motor Control to Humanoid Robot Locomotion Control. Lecture Notes in Computer Science, 2011, , 558-568.	1.3	0
42	Modeling and Control of a Humanoid Robot Arm with Redundant Biarticular Muscle Torques. , 2011, , .		0
43	Novel Information Matrix Sparsification Approach for Practical Implementation of Simultaneous Localization and Mapping. Advanced Robotics, 2010, 24, 819-838.	1.8	3
44	Development of a 3D interactive virtual market system with adaptive treadmill control. , 2010, , .		5
45	Reduced model adaptive force control for carrying human beings with uncertain body dynamics in nursing care. , 2010, , .		2
46	ADAPTIVE TREADMILL CONTROL BY HUMAN WILL. , 2010, , .		2
47	Sparsing of information matrix for practical application of a robot's SLAM. , 2009, , .		1
48	Sparsing of Information Matrix for Practical Application of SLAM for Autonomous Robots. , 2009, , 295-304.		0
49	Control Strategies of Human Interactive Robot Under Uncertain Environments. , 0, , .		1