Sungho Jo

List of Publications by Year
in descending order

59 papers	1,498 citations	471509 17 h-index	361022 35 g-index
59 all docs	59 docs citations	59 times ranked	1617 citing authors

#	Article	IF	Citations
1	ALIS: Learning Affective Causality Behind Daily Activities From a Wearable Life-Log System. IEEE Transactions on Cybernetics, 2022, 52, 13212-13224.	9.5	8
2	Separation-free bacterial identification in arbitrary media via deep neural network-based SERS analysis. Biosensors and Bioelectronics, 2022, 202, 113991.	10.1	27
3	Investigation on Effect of Speech Imagery EEG Data Augmentation with Actual Speech. , 2022, , .		0
4	Vision Combined with MI-Based BCI in Soft Robotic Glove Control. , 2022, , .		1
5	Enhancing the Performance of P300-based BCIs by tDCS of the Left VL-PFC. , 2022, , .		1
6	Subject-Independent Motor Imagery EEG Classification Based onÂGraph Convolutional Network. Lecture Notes in Computer Science, 2022, , 268-281.	1.3	1
7	Maximization and restoration: Action segmentation through dilation passing and temporal reconstruction. Pattern Recognition, 2022, 129, 108764.	8.1	18
8	Semantic Grasping Via a Knowledge Graph of Robotic Manipulation: A Graph Representation Learning Approach. IEEE Robotics and Automation Letters, 2022, 7, 9397-9404.	5.1	5
9	A novel online BCI system using speech imagery and ear-EEG for home appliances control. Computer Methods and Programs in Biomedicine, 2022, 224, 107022.	4.7	10
10	Review of machine learning methods in soft robotics. PLoS ONE, 2021, 16, e0246102.	2.5	105
11	Speech-imagery-based brainâ€"computer interface system using ear-EEG. Journal of Neural Engineering, 2021, 18, 016023.	3.5	19
12	Rank-based Discriminative Feature Learning for Motor Imagery Classification in EEG signals. , 2021, , .		2
13	Asynchronous Motor Imagery Brain-Computer Interface for Simulated Drone Control. , 2021, , .		5
14	Single EMG Sensor-Driven Robotic Glove Control for Reliable Augmentation of Power Grasping. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 179-189.	3.2	9
15	Single to Multi: Data-Driven High Resolution Calibration Method for Piezoresistive Sensor Array. IEEE Robotics and Automation Letters, 2021, 6, 4970-4977.	5.1	8
16	A Robot Capable of Proactive Assistance through Handovers for Sequential Tasks. , 2021, , .		3
17	Learning Fingertip Force to Grasp Deformable Objects for Soft Wearable Robotic Glove With TSM. IEEE Robotics and Automation Letters, 2021, 6, 8126-8133.	5.1	5
18	Affect-driven Robot Behavior Learning System using EEG Signals for Less Negative Feelings and More Positive Outcomes. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Two-Factor Authentication System Using P300 Response to a Sequence of Human Photographs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1178-1185.	9.3	18
20	Online coverage and inspection planning for 3D modeling. Autonomous Robots, 2020, 44, 1431-1450.	4.8	20
21	Improving performance in motor imagery BCI-based control applications via virtually embodied feedback. Computers in Biology and Medicine, 2020, 127, 104079.	7.0	37
22	Improved Explanatory Efficacy on Human Affect and Workload Through Interactive Process in Artificial Intelligence. IEEE Access, 2020, 8, 189013-189024.	4.2	6
23	Active 3D Modeling via Online Multi-View Stereo. , 2020, , .		10
24	Observing Actions Through Immersive Virtual Reality Enhances Motor Imagery Training. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1614-1622.	4.9	52
25	Learning-Based Fingertip Force Estimation for Soft Wearable Hand Robot With Tendon-Sheath Mechanism. IEEE Robotics and Automation Letters, 2020, 5, 946-953.	5.1	18
26	A deep-learned skin sensor decoding the epicentral human motions. Nature Communications, 2020, 11, 2149.	12.8	148
27	An Ear-EEG-based Brain-Computer Interface using Concentration Level for Control. , 2020, , .		4
28	Eyes are faster than hands: A soft wearable robot learns user intention from the egocentric view. Science Robotics, 2019, 4, .	17.6	57
29	Bayesian Weight Decay on Bounded Approximation for Deep Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2866-2875.	11.3	10
30	Semi-Supervised Gait Generation With Two Microfluidic Soft Sensors. IEEE Robotics and Automation Letters, 2019, 4, 2501-2507.	5.1	24
31	Deep Full-Body Motion Network for a Soft Wearable Motion Sensing Suit. IEEE/ASME Transactions on Mechatronics, 2019, 24, 56-66.	5.8	92
32	Use of Deep Learning for Characterization of Microfluidic Soft Sensors. IEEE Robotics and Automation Letters, 2018, 3, 873-880.	5.1	101
33	Deep Physiological Affect Network for the Recognition of Human Emotions. IEEE Transactions on Affective Computing, 2018, , 1-1.	8.3	47
34	An auditory P300-based brain-computer interface using Ear-EEG. , 2018, , .		8
35	A novel hybrid auditory BCI paradigm combining ASSR and P300. Journal of Neuroscience Methods, 2017, 279, 44-51.	2.5	55
36	Parasitic robot system for waypoint navigation of turtle. Journal of Bionic Engineering, 2017, 14, 327-335.	5.0	8

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37	Online inspection path planning for autonomous 3D modeling using a micro-aerial vehicle. , 2017, , .		45
38	3D Reconstruction using a sparse laser scanner and a single camera for outdoor autonomous vehicle. , 2016, , .		5
39	Toward more intuitive brain–computer interfacing: classification of binary covert intentions using functional near-infrared spectroscopy. Journal of Biomedical Optics, 2016, 21, 091303.	2.6	48
40	Hybrid-BCI smart glasses for controlling electrical devices. , 2015, , .		5
41	Wearable hybrid brain-computer interface for daily life application. , 2015, , .		3
42	Real-time motion artifact detection and removal for ambulatory BCI. , 2015, , .		3
43	Wearable wireless interface based on brain activity and eye movement. , 2014, , .		0
44	Quadcopter flight control using a low-cost hybrid interface with EEG-based classification and eye tracking. Computers in Biology and Medicine, 2014, 51, 82-92.	7.0	96
45	Boundary–enhanced supervoxel segmentation for sparse outdoor LiDAR data. Electronics Letters, 2014, 50, 1917-1919.	1.0	27
46	Incremental Online Learning of Robot Behaviors From Selected Multiple Kinesthetic Teaching Trials. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 730-740.	9.3	25
47	Incremental motion learning through kinesthetic teachings and new motion production from learned motions by a humanoid robot. International Journal of Control, Automation and Systems, 2012, 10, 126-135.	2.7	6
48	Toward Brain-Actuated Humanoid Robots: Asynchronous Direct Control Using an EEG-Based BCI. IEEE Transactions on Robotics, 2012, 28, 1131-1144.	10.3	213
49	Noninvasive Brain-Computer Interface-based control of humanoid navigation. , 2011, , .		3
50	Brain-actuated humanoid robot navigation control using asynchronous Brain-Computer Interface. , 2011, , .		18
51	Noninvasive sEMG-based control for humanoid robot teleoperated navigation. International Journal of Precision Engineering and Manufacturing, 2011, 12, 1105-1110.	2.2	10
52	A computational neuromusculoskeletal model of human arm movements. International Journal of Control, Automation and Systems, 2011, 9, 913-923.	2.7	8
53	Development of air vehicle with active flapping and twisting of wing. Journal of Bionic Engineering, 2011, 8, 1-9.	5.0	16
54	Pattern-preserving-based motion imitation for robots. , 2011, , .		0

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55	Non-drifting limb angle measurement relative to the gravitational vector during dynamic motions using accelerometers and rate gyros. , 2011, , .		1
56	Behavioral performance of multi-robots driven by human drawing. , 2010, , .		0
57	Human gait-based bipedal walking robot design in progress. , 2010, , .		5
58	Non-invasive brain signal interface for a wheelchair navigation. , 2010, , .		11
59	Design and control of thermal SMA based small crawling robot mimicking C. elegans. , 2010, , .		7