Tae-Seong Kim

List of Publications by Year in descending order

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TAF-SEONC KIM

#	Article	IF	CITATIONS
1	Natural object manipulation using anthropomorphic robotic hand through deep reinforcement learning and deep grasping probability network. Applied Intelligence, 2021, 51, 1041-1055.	5.3	13
2	Threeâ€dimensional shape reconstruction of objects from a single depth view using deep Uâ€Net convolutional neural network with bottleâ€neck skip connections. IET Computer Vision, 2021, 15, 24-35.	2.0	1
3	Hand Gesture Recognition Using Single Patchable Six-Axis Inertial Measurement Unit via Recurrent Neural Networks. Sensors, 2021, 21, 1404.	3.8	22
4	Object Manipulation with an Anthropomorphic Robotic Hand via Deep Reinforcement Learning with a Synergy Space of Natural Hand Poses. Sensors, 2021, 21, 5301.	3.8	8
5	An Integrated ARMA-Based Deep Autoencoder and GRU Classifier System for Enhanced Recognition of Daily Hand Activities. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, 2152006.	1.2	6
6	Evaluation of deep learning detection and classification towards computer-aided diagnosis of breast lesions in digital X-ray mammograms. Computer Methods and Programs in Biomedicine, 2020, 196, 105584.	4.7	155
7	Multiple skin lesions diagnostics via integrated deep convolutional networks for segmentation and classification. Computer Methods and Programs in Biomedicine, 2020, 190, 105351.	4.7	195
8	Deep Learning Computer-Aided Diagnosis for Breast Lesion in Digital Mammogram. Advances in Experimental Medicine and Biology, 2020, 1213, 59-72.	1.6	49
9	Human activities recognition with a single writs IMU via a Variational Autoencoder and android deep recurrent neural nets. Computer Science and Information Systems, 2020, 17, 581-597.	1.0	8
10	A Deep Learning Model Integrating FrCN and Residual Convolutional Networks for Skin Lesion Segmentation and Classification. , 2019, , .		10
11	Automatic hip geometric feature extraction in DXA imaging using regional random forest. Journal of X-Ray Science and Technology, 2019, 27, 207-236.	1.0	4
12	Trilateral convolutional neural network for 3D shape reconstruction of objects from a single depth view. IET Image Processing, 2019, 13, 2457-2466.	2.5	5
13	Simultaneous detection and classification of breast masses in digital mammograms via a deep learning YOLO-based CAD system. Computer Methods and Programs in Biomedicine, 2018, 157, 85-94.	4.7	299
14	An Automatic Computer-Aided Diagnosis System for Breast Cancer in Digital Mammograms via Deep Belief Network. Journal of Medical and Biological Engineering, 2018, 38, 443-456.	1.8	94
15	Skin lesion segmentation in dermoscopy images via deep full resolution convolutional networks. Computer Methods and Programs in Biomedicine, 2018, 162, 221-231.	4.7	309
16	A fully integrated computer-aided diagnosis system for digital X-ray mammograms via deep learning detection, segmentation, and classification. International Journal of Medical Informatics, 2018, 117, 44-54.	3.3	281
17	Femur segmentation in DXA imaging using a machine learning decision tree. Journal of X-Ray Science and Technology, 2018, 26, 727-746.	1.0	15
18	Denoising images of dual energy X-ray absorptiometry using non-local means filters. Journal of X-Ray Science and Technology, 2018, 26, 395-412.	1.0	10

TAE-SEONG KIM

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19	3-D human pose recovery using nonrigid point set registration and body part tracking of depth data. Multimedia Systems, 2017, 23, 369-380.	4.7	0
20	Prolonged stimulation with lowâ€intensity ultrasound induces delayed increases in spontaneous hippocampal culture spiking activity. Journal of Neuroscience Research, 2017, 95, 885-896.	2.9	20
21	A P300 brain computer interface based intelligent home control system using a random forest classifier. , 2017, , .		16
22	Environment and Its Influence on Health and Demographics in South Korea. International Journal of Environmental Research and Public Health, 2016, 13, 183.	2.6	2
23	Synergistic combination of near-infrared irradiation and targeted gold nanoheaters for enhanced photothermal neural stimulation. Biomedical Optics Express, 2016, 7, 1614.	2.9	27
24	Hand number gesture recognition using recognized hand parts in depth images. Multimedia Tools and Applications, 2016, 75, 1333-1348.	3.9	19
25	3-D body joint-specific HMM-based approach for human activity recognition from stereo posture image sequence. Multimedia Tools and Applications, 2015, 74, 11207-11222.	3.9	5
26	The effect of tissue anisotropy on the radial and tangential components of the electric field in transcranial direct current stimulation. Medical and Biological Engineering and Computing, 2015, 53, 1085-1101.	2.8	15
27	An efficient word typing P300-BCI system using a modified T9 interface and random forest classifier. Computers in Biology and Medicine, 2015, 56, 30-36.	7.0	113
28	Influence of the anisotropic mechanical properties of the breast cancer on photoacoustic imaging. , 2014, , .		9
29	Depth video-based gait recognition for smart home using local directional pattern features and hidden Markov model. Indoor and Built Environment, 2014, 23, 133-140.	2.8	8
30	A P300-based brain computer interface system for words typing. Computers in Biology and Medicine, 2014, 45, 118-125.	7.0	38
31	Design study on photoacoustic probe to detect prostate cancer using 3D Monte Carlo simulation and finite element method. Biomedical Engineering Letters, 2014, 4, 250-257.	4.1	29
32	Real-time 3D human pose recovery from a single depth image using principal direction analysis. Applied Intelligence, 2014, 41, 473-486.	5.3	10
33	A novel P300-based BCI system for words typing. , 2013, , .		11
34	An Indoor Human Activity Recognition System for Smart Home Using Local Binary Pattern Features with Hidden Markov Models. Indoor and Built Environment, 2013, 22, 289-298.	2.8	17
35	Human Activity Recognition via Recognized Body Parts of Human Depth Silhouettes for Residents Monitoring Services at Smart Home. Indoor and Built Environment, 2013, 22, 271-279.	2.8	141
36	A Spatiotemporal Robust Approach for Human Activity Recognition. International Journal of Advanced Robotic Systems, 2013, 10, 391.	2.1	6

TAE-SEONG KIM

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37	Recognition of Human Home Activities via Depth Silhouettes and â,,œ Transformation for Smart Homes. Indoor and Built Environment, 2012, 21, 184-190.	2.8	76
38	A single tri-axial accelerometer-based real-time personal life log system capable of human activity recognition and exercise information generation. Personal and Ubiquitous Computing, 2011, 15, 887-898.	2.8	78
39	Estimation of 3-D human body posture via co-registration of 3-D human model and sequential stereo information. Applied Intelligence, 2011, 35, 163-177.	5.3	18
40	Fast 3-D human motion capturing from stereo data using Gaussian clusters. , 2010, , .		1
41	Real-Time Recognition of Daily Human Activities Using a Single Tri-Axial Accelerometer. , 2010, , .		5
42	Extraction and Mapping of Alpha Activity in EEG Signals Using Augmented ICA. , 2010, , .		0
43	Forearm Motion Tracking with Estimating Joint Angles from Inertial Sensor Signals. , 2009, , .		2
44	3-D hand motion tracking and gesture recognition using a data glove. , 2009, , .		96
45	Rib suppression in frontal chest radiographs: A blind source separation approach. , 2007, , .		8
46	Facial Image Retrieval through Compound Queries Using Constrained Independent Component Analysis. , 2007, , .		3