

Deok-Hwan Kim

List of Publications by Year in descending order

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57
docs citations

57
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain lateralisation feature extraction and ant colony optimisationâ€bidirectional LSTM network model for emotion recognition. IET Signal Processing, 2022, 16, 45-61.	0.9	5
2	MS scheduler: New, scalable, and high-performance sparse AVX-2 parity encoding and decoding technique for erasure-coded cloud storage systems. Future Generation Computer Systems, 2022, 126, 123-135.	4.9	1
3	Gender recognition using optimal gait feature based on recursive feature elimination in normal walking. Expert Systems With Applications, 2022, 189, 116040.	4.4	22
4	BloSM: Blockchain-Based Service Migration for Connected Cars in Embedded Edge Environment. Electronics (Switzerland), 2022, 11, 341.	1.8	4
5	Sparse Feature Learning for Human Activity Recognition. , 2021, , .		2
6	A Distributed Edge-Based Scheduling Technique with Low-Latency and High-Bandwidth for Existing Driver Profiling Algorithms. Electronics (Switzerland), 2021, 10, 972.	1.8	1
7	GPU-based embedded edge server configuration and offloading for a neural network service. Journal of Supercomputing, 2021, 77, 8593-8621.	2.4	5
8	Humanâ€Machine Interaction in Driving Assistant Systems for Semi-Autonomous Driving Vehicles. Electronics (Switzerland), 2021, 10, 2405.	1.8	3
9	Federated Learning Using Sparse-Adaptive Model Selection for Embedded Edge Computing. IEEE Access, 2021, 9, 167868-167879.	2.6	3
10	Automated epileptic seizure waveform detection method based on the feature of the mean slope of wavelet coefficient counts using a hidden Markov model and EEG signals. ETRI Journal, 2020, 42, 217-229.	1.2	12
11	Lightweight Driver Behavior Identification Model with Sparse Learning on In-Vehicle CAN-BUS Sensor Data. Sensors, 2020, 20, 5030.	2.1	26
12	CaseDB: Lightweight Key-Value Store for Edge Computing Environment. IEEE Access, 2020, 8, 149775-149786.	2.6	9
13	Deep Learning Method for Selecting Effective Models and Feature Groups in Emotion Recognition Using an Asian Multimodal Database. Electronics (Switzerland), 2020, 9, 1988.	1.8	13
14	Benchmarking Jetson Platform for 3D Point-Cloud and Hyper-Spectral Image Classification. , 2020, , .		23
15	Energy-aware RAID scheduling methods in distributed storage applications. Cluster Computing, 2019, 22, 445-454.	3.5	1
16	sEMG-signal and IMU sensor-based gait sub-phase detection and prediction using a user-adaptive classifier. Medical Engineering and Physics, 2019, 69, 50-57.	0.8	21
17	EOG-based eye tracking protocol using baseline drift removal algorithm for long-term eye movement detection. Expert Systems With Applications, 2019, 131, 275-287.	4.4	15
18	CLevelddb: Coalesced Levelddb for Small Data. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	GPU-accelerated high-performance encoding and decoding of hierarchical RAID in virtual machines. <i>Journal of Supercomputing</i> , 2018, 74, 5865-5888.	2.4	4
20	EGE: A New Energy-Aware GPU Based Erasure Coding Scheduler for Cloud Storage Systems. , 2018, , .		2
21	Inner Emotion Recognition Using Multi Bio-Signals. , 2018, , .		5
22	Classification of Both Seizure and Non-Seizure Based on EEG Signals Using Hidden Markov Model. , 2018, , .		9
23	Energy-aware and intelligent storage features for multimedia devices in smart classroom. <i>Multimedia Tools and Applications</i> , 2017, 76, 1139-1157.	2.6	15
24	High performance GPU-based parity computing scheduler in storage applications. <i>Concurrency Computation Practice and Experience</i> , 2017, 29, e3889.	1.4	4
25	Real-time gait subphase detection using an EMG signal graph matching (ESGM) algorithm based on EMG signals. <i>Expert Systems With Applications</i> , 2017, 85, 357-365.	4.4	29
26	sEMG Signal-Based Lower Limb Human Motion Detection Using a Top and Slope Feature Extraction Algorithm. <i>IEEE Signal Processing Letters</i> , 2017, 24, 929-932.	2.1	48
27	Delta RAID to Enhance Recovery and Small-Write Performance of RAID Storages. , 2016, , .		3
28	EMG signal-based gait phase recognition using a GPES library and ISMF. , 2016, 2016, 2003-2006.		3
29	Parity Data De-Duplication in All Flash Array-Based OpenStack Cloud Block Storage. <i>IEICE Transactions on Information and Systems</i> , 2016, E99.D, 1384-1387.	0.4	5
30	Hierarchical RAID's parity generation using pass-through GPU in multi virtual-machine environment. , 2016, , .		1
31	Energy-Aware GPU-RAID Scheduling for Reducing Energy Consumption in Cloud Storage Systems. <i>Lecture Notes in Electrical Engineering</i> , 2015, , 705-711.	0.3	6
32	Design of OpenStack Cloud Storage Systems - Applying Infiniband Storage Network and Storage Virtualization Performance Evaluation. <i>KIISE Transactions on Computing Practices</i> , 2015, 21, 470-475.	0.1	1
33	Real-Time Locomotion Mode Recognition Employing Correlation Feature Analysis Using EMG Pattern. <i>ETRI Journal</i> , 2014, 36, 99-105.	1.2	31
34	Energy-aware erasure codes using XOR Reference Matrix for SSD based RAID systems. , 2014, , .		1
35	Multiple gait phase recognition using boosted classifiers based on sEMG signal and classification matrix. , 2014, , .		9
36	An Indoor Human Activity Recognition System for Smart Home Using Local Binary Pattern Features with Hidden Markov Models. <i>Indoor and Built Environment</i> , 2013, 22, 289-298.	1.5	17

#	ARTICLE	IF	CITATIONS
37	Managing QoS of video transcoding server system: Preliminary results and analysis. , 2013, , .		0
38	Efficient context-aware selection based on user feedback. IEEE Transactions on Consumer Electronics, 2012, 58, 978-984.	3.0	12
39	EOG based eye movement measure of visual fatigue caused by 2D and 3D displays. , 2012, , .		7
40	A robust texture feature extraction using the localized angular phase. Multimedia Tools and Applications, 2012, 59, 717-747.	2.6	16
41	A hybrid storage technology for low power consumption and high I/O performance in an IPTV set-top box. Journal of Central South University, 2012, 19, 1267-1275.	1.2	1
42	Rotation invariant texture feature extraction based on Sorted Neighborhood Differences. , 2011, , .		2
43	Distance approximation techniques to reduce the dimensionality for multimedia databases. Knowledge and Information Systems, 2011, 28, 227-248.	2.1	6
44	Texture feature extraction based on a uniformity estimation method for local brightness and structure in chest CT images. Computers in Biology and Medicine, 2010, 40, 931-942.	3.9	52
45	A visual shape descriptor using sectors and shape context of contour lines. Information Sciences, 2010, 180, 2925-2939.	4.0	21
46	Robust feature detection based on local variation for image retrieval. , 2010, , .		2
47	An effective and efficient defect inspection system for TFT-LCD polarised films using adaptive thresholds and shape-based image analyses. International Journal of Production Research, 2010, 48, 5115-5135.	4.9	11
48	Reliability and performance enhancement technique for SSD array storage system using RAID mechanism. , 2009, , .		38
49	Image Recommendation Algorithm Using Feature-Based Collaborative Filtering. IEICE Transactions on Information and Systems, 2009, E92-D, 413-421.	0.4	3
50	A new region filtering and region weighting approach to relevance feedback in content-based image retrieval. Journal of Systems and Software, 2008, 81, 1525-1538.	3.3	13
51	Solving local minima problem with large number of hidden nodes on two-layered feed-forward artificial neural networks. Neurocomputing, 2008, 71, 3640-3643.	3.5	53
52	A Clustered Flash Translation Layer for Mass Storage CompactFlash Systems. , 2008, , .		0
53	Document Summarization Using Non-Negative Matrix Factorization and Relevance Feedback. , 2008, , .		5
54	Pruning and Weighting of Keypoints Using the HSI Color Space for Image Recognition. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
55	Anticipatory I/O Management for Clustered Flash Translation Layer in NAND Flash Memory. ETRI Journal, 2008, 30, 790-798.	1.2	3
56	Support Vector Machine Learning for Region-Based Image Retrieval with Relevance Feedback. ETRI Journal, 2007, 29, 700-702.	1.2	16
57	Relevance feedback using adaptive clustering for image similarity retrieval. Journal of Systems and Software, 2005, 78, 9-23.	3.3	24