

# Deok-Hwan Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

647  
citations

623188

14  
h-index

676716

22  
g-index

57  
all docs

57  
docs citations

57  
times ranked

585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving local minima problem with large number of hidden nodes on two-layered feed-forward artificial neural networks. <i>Neurocomputing</i> , 2008, 71, 3640-3643.	3.5	53
2	Texture feature extraction based on a uniformity estimation method for local brightness and structure in chest CT images. <i>Computers in Biology and Medicine</i> , 2010, 40, 931-942.	3.9	52
3	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
4	Reliability and performance enhancement technique for SSD array storage system using RAID mechanism. , 2009, , .		38
5	Real-Time Locomotion Mode Recognition Employing Correlation Feature Analysis Using EMG Pattern. <i>ETRI Journal</i> , 2014, 36, 99-105.	1.2	31
6	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
7	Lightweight Driver Behavior Identification Model with Sparse Learning on In-Vehicle CAN-BUS Sensor Data. <i>Sensors</i> , 2020, 20, 5030.	2.1	26
8	Relevance feedback using adaptive clustering for image similarity retrieval. <i>Journal of Systems and Software</i> , 2005, 78, 9-23.	3.3	24
9	Benchmarking Jetson Platform for 3D Point-Cloud and Hyper-Spectral Image Classification. , 2020, , .		23
10	Gender recognition using optimal gait feature based on recursive feature elimination in normal walking. <i>Expert Systems With Applications</i> , 2022, 189, 116040.	4.4	22
11	A visual shape descriptor using sectors and shape context of contour lines. <i>Information Sciences</i> , 2010, 180, 2925-2939.	4.0	21
12	sEMG-signal and IMU sensor-based gait sub-phase detection and prediction using a user-adaptive classifier. <i>Medical Engineering and Physics</i> , 2019, 69, 50-57.	0.8	21
13	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
14	Support Vector Machine Learning for Region-Based Image Retrieval with Relevance Feedback. <i>ETRI Journal</i> , 2007, 29, 700-702.	1.2	16
15	A robust texture feature extraction using the localized angular phase. <i>Multimedia Tools and Applications</i> , 2012, 59, 717-747.	2.6	16
16	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
17	EOG-based eye tracking protocol using baseline drift removal algorithm for long-term eye movement detection. <i>Expert Systems With Applications</i> , 2019, 131, 275-287.	4.4	15
18	A new region filtering and region weighting approach to relevance feedback in content-based image retrieval. <i>Journal of Systems and Software</i> , 2008, 81, 1525-1538.	3.3	13

#	ARTICLE	IF	CITATIONS
19	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
20	Efficient context-aware selection based on user feedback. IEEE Transactions on Consumer Electronics, 2012, 58, 978-984.	3.0	12
21	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
22	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
23	Multiple gait phase recognition using boosted classifiers based on sEMG signal and classification matrix. , 2014, , .		9
24	Classification of Both Seizure and Non-Seizure Based on EEG Signals Using Hidden Markov Model. , 2018, , .		9
25	CaseDB: Lightweight Key-Value Store for Edge Computing Environment. IEEE Access, 2020, 8, 149775-149786.	2.6	9
26	EOG based eye movement measure of visual fatigue caused by 2D and 3D displays. , 2012, , .		7
27	Distance approximation techniques to reduce the dimensionality for multimedia databases. Knowledge and Information Systems, 2011, 28, 227-248.	2.1	6
28	Energy-Aware GPU-RAID Scheduling for Reducing Energy Consumption in Cloud Storage Systems. Lecture Notes in Electrical Engineering, 2015, , 705-711.	0.3	6
29	Document Summarization Using Non-Negative Matrix Factorization and Relevance Feedback. , 2008, , .		5
30	Parity Data De-Duplication in All Flash Array-Based OpenStack Cloud Block Storage. IEICE Transactions on Information and Systems, 2016, E99.D, 1384-1387.	0.4	5
31	Inner Emotion Recognition Using Multi Bio-Signals. , 2018, , .		5
32	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
33	GPU-based embedded edge server configuration and offloading for a neural network service. Journal of Supercomputing, 2021, 77, 8593-8621.	2.4	5
34	High performance GPU-based parity computing scheduler in storage applications. Concurrency Computation Practice and Experience, 2017, 29, e3889.	1.4	4
35	GPU-accelerated high-performance encoding and decoding of hierarchical RAID in virtual machines. Journal of Supercomputing, 2018, 74, 5865-5888.	2.4	4
36	BloSM: Blockchain-Based Service Migration for Connected Cars in Embedded Edge Environment. Electronics (Switzerland), 2022, 11, 341.	1.8	4

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37	Image Recommendation Algorithm Using Feature-Based Collaborative Filtering. IEICE Transactions on Information and Systems, 2009, E92-D, 413-421.	0.4	3
38	Delta RAID to Enhance Recovery and Small-Write Performance of RAID Storages. , 2016, , .		3
39	EMG signal-based gait phase recognition using a GPES library and ISMF. , 2016, 2016, 2003-2006.		3
40	Anticipatory I/O Management for Clustered Flash Translation Layer in NAND Flash Memory. ETRI Journal, 2008, 30, 790-798.	1.2	3
41	Humanâ€Machine Interaction in Driving Assistant Systems for Semi-Autonomous Driving Vehicles. Electronics (Switzerland), 2021, 10, 2405.	1.8	3
42	Federated Learning Using Sparse-Adaptive Model Selection for Embedded Edge Computing. IEEE Access, 2021, 9, 167868-167879.	2.6	3
43	Robust feature detection based on local variation for image retrieval. , 2010, , .		2
44	Rotation invariant texture feature extraction based on Sorted Neighborhood Differences. , 2011, , .		2
45	EGE: A New Energy-Aware GPU Based Erasure Coding Scheduler for Cloud Storage Systems. , 2018, , .		2
46	CLevelldb: Coalesced Levelldb for Small Data. , 2019, , .		2
47	Sparse Feature Learning for Human Activity Recognition. , 2021, , .		2
48	Pruning and Weighting of Keypoints Using the HSI Color Space for Image Recognition. , 2008, , .		1
49	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
50	Energy-aware erasure codes using XOR Reference Matrix for SSD based RAID systems. , 2014, , .		1
51	Hierarchical RAID's parity generation using pass-through GPU in multi virtual-machine environment. , 2016, , .		1
52	Energy-aware RAID scheduling methods in distributed storage applications. Cluster Computing, 2019, 22, 445-454.	3.5	1
53	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
54	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

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55	Design of OpenStack Cloud Storage Systems - Applying Infiniband Storage Network and Storage Virtualization Performance Evaluation. KIISE Transactions on Computing Practices, 2015, 21, 470-475.	0.1	1
56	A Clustered Flash Translation Layer for Mass Storage CompactFlash Systems. , 2008, , .		0
57	Managing QoS of video transcoding server system: Preliminary results and analysis. , 2013, , .		0