Kyung-Yong Chung

List of Publications by Year
in descending order

166 papers	3,419 citations	126858 33 h-index	223716 46 g-index
168 all docs	168 docs citations	168 times ranked	1832 citing authors

#	Article	IF	Citations
1	Ontology-based healthcare context information model to implement ubiquitous environment. Multimedia Tools and Applications, 2014, 71, 873-888.	2.6	115
2	Factors influencing the acceptance of telemedicine for diabetes management. Cluster Computing, 2015, 18, 321-331.	3.5	99
3	Chatbot-based heathcare service with a knowledge base for cloud computing. Cluster Computing, 2019, 22, 1925-1937.	3.5	94
4	Knowledge-based dietary nutrition recommendation for obese management. Information Technology and Management, 2016, 17, 29-42.	1.4	87
5	Emergency situation monitoring service using context motion tracking of chronic disease patients. Cluster Computing, 2015, 18, 747-759.	3.5	74
6	Item recommendation based on context-aware model for personalized u-healthcare service. Multimedia Tools and Applications, 2014, 71, 855-872.	2.6	73
7	Context Deep Neural Network Model for Predicting Depression Risk Using Multiple Regression. IEEE Access, 2020, 8, 18171-18181.	2.6	58
8	Home Health Gateway Based Healthcare Services Through U-Health Platform. Wireless Personal Communications, 2013, 73, 207-218.	1.8	53
9	Ontology driven interactive healthcare with wearable sensors. Multimedia Tools and Applications, 2014, 71, 827-841.	2.6	53
10	Sequential pattern profiling based bio-detection for smart health service. Cluster Computing, 2015, 18, 209-219.	3.5	52
11	Influential Factors of Smart Health Users according to Usage Experience and Intention to Use. Wireless Personal Communications, 2014, 79, 2671-2683.	1.8	51
12	P2P cloud network services for IoT based disaster situations information. Peer-to-Peer Networking and Applications, 2016, 9, 566-577.	2.6	51
13	Prediction Model of Dementia Risk Based on XGBoost Using Derived Variable Extraction and Hyper Parameter Optimization. IEEE Access, 2020, 8, 177708-177720.	2.6	50
14	Associative Feature Information Extraction Using Text Mining from Health Big Data. Wireless Personal Communications, 2019, 105, 691-707.	1.8	49
15	Blockchain Network Based Topic Mining Process for Cognitive Manufacturing. Wireless Personal Communications, 2019, 105, 583-597.	1.8	49
16	Mobile healthcare application with EMR interoperability for diabetes patients. Cluster Computing, 2014, 17, 871-880.	3.5	48
17	Development of head detection and tracking systems for visual surveillance. Personal and Ubiquitous Computing, 2014, 18, 515-522.	1.9	46
18	Knowledge-based health service considering user convenience using hybrid Wi-Fi P2P. Information Technology and Management, 2016, 17, 67-80.	1.4	46

#	ARTICLE	IF	CITATIONS
19	Multimedia knowledge‐based bridge health monitoring using digital twin. Multimedia Tools and Applications, 2021, 80, 34609-34624.	2.6	45
20	Relation model describing the effects of introducing RFID in the supply chain: evidence from the food and beverage industry in South Korea. Personal and Ubiquitous Computing, 2014, 18, 553-561.	1.9	42
21	Context and profile based cascade classifier for efficient people detection and safety care system. Multimedia Tools and Applications, 2013, 63, 27-44.	2.6	41
22	Medical information service system based on human 3D anatomical model. Multimedia Tools and Applications, 2015, 74, 8939-8950.	2.6	41
23	3D simulator for stability analysis of finite slope causing plane activity. Multimedia Tools and Applications, 2014, 68, 455-463.	2.6	40
24	Ambient context-based modeling for health risk assessment using deep neural network. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1387-1395.	3.3	39
25	Neural-network based adaptive context prediction model for ambient intelligence. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1451-1458.	3.3	38
26	Interactive Design Recommendation Using Sensor Based Smart Wear and Weather WebBot. Wireless Personal Communications, 2013, 73, 243-256.	1.8	37
27	Target speech feature extraction using non-parametric correlation coefficient. Cluster Computing, 2014, 17, 893-899.	3.5	37
28	PHR Based Diabetes Index Service Model Using Life Behavior Analysis. Wireless Personal Communications, 2017, 93, 161-174.	1.8	37
29	Hybrid clustering based health decision-making for improving dietary habits. Technology and Health Care, 2019, 27, 459-472.	0.5	36
30	A multi-objective hybrid genetic algorithm to minimize the total cost and delivery tardiness in a reverse logistics. Multimedia Tools and Applications, 2015, 74, 9067-9085.	2.6	35
31	PHR open platform based smart health service using distributed object group framework. Cluster Computing, 2016, 19, 505-517.	3.5	35
32	Recent trends on convergence and ubiquitous computing. Personal and Ubiquitous Computing, 2014, 18, 1291-1293.	1.9	34
33	Depression Index Service Using Knowledge Based Crowdsourcing in Smart Health. Wireless Personal Communications, 2017, 93, 255-268.	1.8	34
34	Effect of facial makeup style recommendation on visual sensibility. Multimedia Tools and Applications, 2014, 71, 843-853.	2.6	33
35	Associative context mining for ontology-driven hidden knowledge discovery. Cluster Computing, 2016, 19, 2261-2271.	3.5	32
36	Multi-Modal Stacked Denoising Autoencoder for Handling Missing Data in Healthcare Big Data. IEEE Access, 2020, 8, 104933-104943.	2.6	32

#	ARTICLE	IF	CITATIONS
37	Life style improvement mobile service for high risk chronic disease based on PHR platform. Cluster Computing, 2016, 19, 967-977.	3.5	31
38	Knowledge based decision support system. Information Technology and Management, 2016, 17, 1-3.	1.4	30
39	Mining-based lifecare recommendation using peer-to-peer dataset and adaptive decision feedback. Peer-to-Peer Networking and Applications, 2018, 11, 1309-1320.	2.6	30
40	Prediction of Traffic Congestion Based on LSTM Through Correction of Missing Temporal and Spatial Data. IEEE Access, 2020, 8, 150784-150796.	2.6	30
41	Heart rate variability based stress index service model using bio-sensor. Cluster Computing, 2018, 21, 1139-1149.	3.5	29
42	Mining health-risk factors using PHR similarity in a hybrid P2P network. Peer-to-Peer Networking and Applications, 2018, 11, 1278-1287.	2.6	29
43	Ontology-driven slope modeling for disaster management service. Cluster Computing, 2015, 18, 677-692.	3.5	28
44	Towards virtualized and automated software performance test architecture. Multimedia Tools and Applications, 2015, 74, 8745-8759.	2.6	28
45	Knowledge-based hybrid decision model using neural network for nutrition management. Information Technology and Management, 2020, 21, 29-39.	1.4	28
46	Decision Boundary-Based Anomaly Detection Model Using Improved AnoGAN From ECG Data. IEEE Access, 2020, 8, 108664-108674.	2.6	28
47	Dynamic Reconfiguration Based on Goal-Scenario by Adaptation Strategy. Wireless Personal Communications, 2013, 73, 309-318.	1.8	27
48	Recent trends on mobile computing and future networks. Personal and Ubiquitous Computing, 2014, 18, 489-491.	1.9	27
49	Interactive middleware architecture for lifelog based context awareness. Multimedia Tools and Applications, 2014, 71, 813-826.	2.6	27
50	PHR Based Life Health Index Mobile Service Using Decision Support Model. Wireless Personal Communications, 2016, 86, 315-332.	1.8	27
51	Knowledge-based dynamic cluster model for healthcare management using a convolutional neural network. Information Technology and Management, 2020, 21, 41-50.	1.4	27
52	Categorization for grouping associative items using data mining in item-based collaborative filtering. Multimedia Tools and Applications, 2014, 71, 889-904.	2.6	26
53	Slope Based Intelligent 3D Disaster Simulation Using Physics Engine. Wireless Personal Communications, 2016, 86, 183-199.	1.8	26
54	Pothole Classification Model Using Edge Detection in Road Image. Applied Sciences (Switzerland), 2020, 10, 6662.	1.3	25

#	ARTICLE	IF	CITATIONS
55	Recent Trends in Digital Convergence Information System. Wireless Personal Communications, 2014, 79, 2409-2413.	1.8	24
56	Mining-based associative image filtering using harmonic mean. Cluster Computing, 2014, 17, 767-774.	3.5	24
57	Alleviating the cold-start problem by incorporating movies facebook pages. Cluster Computing, 2015, 18, 187-197.	3.5	24
58	Bio-Interactive Healthcare Service System Using Lifelog Based Context Computing. Wireless Personal Communications, 2013, 73, 341-351.	1.8	23
59	Recent trends in interactive multimedia computing for industry. Cluster Computing, 2014, 17, 723-726.	3.5	23
60	Model transformation verification using similarity and graph comparison algorithm. Multimedia Tools and Applications, 2015, 74, 8907-8920.	2.6	23
61	Decision supporting method for chronic disease patients based on mining frequent pattern tree. Multimedia Tools and Applications, 2015, 74, 8979-8991.	2.6	22
62	Design of access control system for telemedicine secure XML documents. Multimedia Tools and Applications, 2015, 74, 2257-2271.	2.6	21
63	Evolutionary rule decision using similarity based associative chronic disease patients. Cluster Computing, 2015, 18, 279-291.	3.5	21
64	Emerging risk forecast system using associative index mining analysis. Cluster Computing, 2017, 20, 547-558.	3.5	21
65	Knowledge process of health big data using MapReduce-based associative mining. Personal and Ubiquitous Computing, 2020, 24, 571-581.	1.9	21
66	Multimedia recommendation using Word2Vec-based social relationship mining. Multimedia Tools and Applications, 2021, 80, 34499-34515.	2.6	21
67	Discovery of automotive design paradigm using relevance feedback. Personal and Ubiquitous Computing, 2014, 18, 1363-1372.	1.9	20
68	Mining Based Time-Series Sleeping Pattern Analysis for Life Big-Data. Wireless Personal Communications, 2019, 105, 475-489.	1.8	20
69	Optimization of Associative Knowledge Graph using TF-IDF based Ranking Score. Applied Sciences (Switzerland), 2020, 10, 4590.	1.3	20
70	Driver Facial Expression Analysis Using LFA-CRNN-Based Feature Extraction for Health-Risk Decisions. Applied Sciences (Switzerland), 2020, 10, 2956.	1.3	20
71	Social mining-based clustering process for big-data integration. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 589-600.	3.3	20
72	Multiple categorizations of products: cognitive modeling of customers through social media data mining. Personal and Ubiquitous Computing, 2014, 18, 1387-1403.	1.9	19

#	ARTICLE	IF	CITATIONS
73	Policy on literature content based on software as service. Multimedia Tools and Applications, 2015, 74, 9087-9096.	2.6	19
74	Picocell based telemedicine health service for human UX/UI. Multimedia Tools and Applications, 2015, 74, 2519-2534.	2.6	19
75	Edge computing health model using P2P-based deep neural networks. Peer-to-Peer Networking and Applications, 2020, 13, 694-703.	2.6	19
76	Associative Knowledge Graph Using Fuzzy Clustering and Min-Max Normalization in Video Contents. IEEE Access, 2021, 9, 74802-74816.	2.6	19
77	3D Human-Gesture Interface for Fighting Games Using Motion Recognition Sensor. Wireless Personal Communications, 2016, 89, 927-940.	1.8	18
78	P2P-based open health cloud for medicine management. Peer-to-Peer Networking and Applications, 2020, 13, 610-622.	2.6	18
79	Emergency Situation Alarm System Motion Using Tracking of People like Elderly Live Alone. , 2013, , .		16
80	Comparison of knowledge, attitudes, and trust for the use of personal health information in clinical research. Multimedia Tools and Applications, 2015, 74, 2391-2404.	2.6	16
81	A Frequency Pattern Mining Model Based on Deep Neural Network for Real-Time Classification of Heart Conditions. Healthcare (Switzerland), 2020, 8, 234.	1.0	16
82	Detection of ventricular fibrillation using Hilbert transforms, phase-space reconstruction, and time-domain analysis. Personal and Ubiquitous Computing, 2014, 18, 1315-1324.	1.9	15
83	The impact of policy measures on promoting the modal shift from road to rail. Personal and Ubiquitous Computing, 2014, 18, 1423-1429.	1.9	15
84	P2P context awareness based sensibility design recommendation using color and bio-signal analysis. Peer-to-Peer Networking and Applications, 2016, 9, 546-557.	2.6	15
85	PrefixSpan Based Pattern Mining Using Time Sliding Weight From Streaming Data. IEEE Access, 2020, 8, 124833-124844.	2.6	14
86	Diagnosis Support Model of Cardiomegaly Based on CNN Using ResNet and Explainable Feature Map. IEEE Access, 2021, 9, 55802-55813.	2.6	14
87	Life Weather Index Monitoring System using Wearable based Smart Cap. The Journal of the Korea Contents Association, 2009, 9, 477-484.	0.0	14
88	Activity-based nutrition management model for healthcare using similar group analysis. Technology and Health Care, 2019, 27, 473-485.	0.5	13
89	Activity Recommendation Model Using Rank Correlation for Chronic Stress Management. Applied Sciences (Switzerland), 2019, 9, 4284.	1.3	13
90	Recent trends in convergence-based smart healthcare service. Technology and Health Care, 2014, 22, 303-307.	0.5	12

#	Article	IF	Citations
91	Improvement of Speech Detection Using ERB Feature Extraction. Wireless Personal Communications, 2014, 79, 2439-2451.	1.8	12
92	Real-Time Tracking and Recognition Systems for Interactive Telemedicine Health Services. Wireless Personal Communications, 2014, 79, 2611-2626.	1.8	12
93	Feature selection for daily peak load forecasting using a neuro-fuzzy system. Multimedia Tools and Applications, 2015, 74, 2321-2336.	2.6	12
94	Single tag sharing scheme for multiple-object RFID applications. Multimedia Tools and Applications, 2014, 68, 465-477.	2.6	11
95	Discovery of knowledge of associative relations using opinion mining based on a health platform. Personal and Ubiquitous Computing, 2020, 24, 583-593.	1.9	11
96	An Efficient Data Dissemination Method over Wireless Ad-Hoc Networks. Wireless Personal Communications, 2014, 79, 2531-2550.	1.8	10
97	Mining Based Urban Climate Disaster Index Service According to Potential Risk. Wireless Personal Communications, 2016, 89, 1009-1025.	1.8	10
98	Pain Nursing Intervention Supporting Method using Collaborative Filtering in Health Industry. The Journal of the Korea Contents Association, 2011, 11, 1-8.	0.0	10
99	Bi-level optimization programming for the shipper-carrier network problem. Cluster Computing, 2014, 17, 805-816.	3.5	9
100	Interactive pain nursing intervention system for smart health service. Multimedia Tools and Applications, 2015, 74, 2449-2466.	2.6	9
101	Towards Ubiquitous Health with Convergence. Technology and Health Care, 2016, 24, 411-413.	0.5	9
102	Hybrid Multi-Modal Deep Learning using Collaborative Concat Layer in Health Bigdata. IEEE Access, 2020, 8, 192469-192480.	2.6	9
103	Real-Time Streaming Image Based PP2LFA-CRNN Model for Facial Sentiment Analysis. IEEE Access, 2020, 8, 199586-199602.	2.6	9
104	Recent trends in Mobile Communication Systems. Journal of Computer Virology and Hacking Techniques, 2014, 10, 67-70.	1.6	8
105	Estimating unreliable objects and system reliability in P2P networks. Peer-to-Peer Networking and Applications, 2015, 8, 610-619.	2.6	8
106	Knowledge-based block chain networks for health log data management mobile service. Personal and Ubiquitous Computing, 2022, 26, 297-305.	1.9	8
107	Improvement of speech signal extraction method using detection filter of energy spectrum entropy. Cluster Computing, 2015, 18, 629-635.	3.5	7
108	An investigation on the information systems research in supply chain management: an analysis of research topic and methodology. Multimedia Tools and Applications, 2015, 74, 8849-8860.	2.6	7

#	Article	IF	Citations
109	Performance analysis of advanced bus information system using LTE antenna. Multimedia Tools and Applications, 2015, 74, 9043-9054.	2.6	7
110	Ontology-based inference system for adaptive object recognition. Multimedia Tools and Applications, 2015, 74, 8893-8905.	2.6	7
111	Knowledge expansion of metadata using script mining analysis in multimedia recommendation. Multimedia Tools and Applications, 2021, 80, 34679-34695.	2.6	7
112	PGGAN-Based Anomaly Classification on Chest X-Ray Using Weighted Multi-Scale Similarity. IEEE Access, 2021, 9, 113315-113325.	2.6	7
113	Detection Model of Occluded Object Based on YOLO Using Hard-Example Mining and Augmentation Policy Optimization. Applied Sciences (Switzerland), 2021, 11, 7093.	1.3	7
114	Catching up faster data in digital crime using mobile devices. Multimedia Tools and Applications, 2015, 74, 9007-9016.	2.6	6
115	Voice Activity Detection Using an Improved Unvoiced Feature Normalization Process in Noisy Environments. Wireless Personal Communications, 2016, 89, 747-759.	1.8	6
116	MMCNet: deep learning–based multimodal classification model using dynamic knowledge. Personal and Ubiquitous Computing, 2022, 26, 355-364.	1.9	6
117	Mobile IoT device summarizer using P2P web search engine and inherent characteristic of contents. Peer-to-Peer Networking and Applications, 2020, 13, 684-693.	2.6	6
118	Performance Analysis of Intelligence Pain Nursing Intervention U-health System. The Journal of the Korea Contents Association, 2013, 13, 1-7.	0.0	6
119	Vocabulary optimization process using similar phoneme recognition and feature extraction. Cluster Computing, 2016, 19, 1683-1690.	3.5	5
120	Performance Evaluation of Silence-Feature Normalization Model using Cepstrum Features of Noise Signals. Wireless Personal Communications, 2018, 98, 3287-3297.	1.8	5
121	Line-segment Feature Analysis Algorithm Using Input Dimensionality Reduction for Handwritten Text Recognition. Applied Sciences (Switzerland), 2020, 10, 6904.	1.3	5
122	Multi-Level Health Knowledge Mining Process in P2P Edge Network. IEEE Access, 2021, 9, 61623-61634.	2.6	5
123	Accident risk prediction model based on attention-mechanism LSTM using modality convergence in multimodal. Personal and Ubiquitous Computing, 2023, 27, 1179-1189.	1.9	5
124	Mining based Mental Health and Blood Pressure Management Service for Smart Health. Journal of the Korea Convergence Society, 2017, 8, 13-18.	0.1	5
125	Health Information Monitoring System using Context Sensors based Band. The Journal of the Korea Contents Association, 2011, 11, 14-22.	0.0	5
126	Annotation alignment method on P2P-TV system. Peer-to-Peer Networking and Applications, 2015, 8, 578-586.	2.6	4

#	ARTICLE	IF	CITATIONS
127	Continuous Gesture Recognition using HLAC and Low-Dimensional Space. Wireless Personal Communications, 2016, 86, 255-270.	1.8	4
128	Sequential-index pattern mining for lifecare telecommunication platform. Cluster Computing, 2019, 22, 1039-1048.	3.5	4
129	Method of Associative Group Using FP-Tree in Personalized Recommendation System. The Journal of the Korea Contents Association, 2007, 7, 19-26.	0.0	4
130	A Recommendation Agent System Using HMM-Based Collaborative Filtering in Smart Home Environment. , 2008, , .		3
131	Context-Aware Based Item Recommendation for Personalized Service. , 2011, , .		3
132	Traffic hazard prediction based on neighbor nodes for vehicle safety communications on a highway. Multimedia Tools and Applications, 2015, 74, 8781-8790.	2.6	3
133	The biometric signature delegation scheme to balance the load of digital signing in hybrid P2P networks. Peer-to-Peer Networking and Applications, 2015, 8, 631-640.	2.6	3
134	The effects of transportation energy policy on fuel consumption and transportation safety. Multimedia Tools and Applications, 2015, 74, 2535-2557.	2.6	3
135	CNN-based health model using knowledge mining of influencing factors. Personal and Ubiquitous Computing, 2022, 26, 221-231.	1.9	3
136	Prediction of cardiac disease-causing pattern using multimedia extraction in health ontology. Multimedia Tools and Applications, 2021, 80, 34713-34729.	2.6	3
137	Word-Embedding-Based Traffic Document Classification Model for Detecting Emerging Risks Using Sentiment Similarity Weight. IEEE Access, 2020, 8, 183983-183994.	2.6	3
138	Anomaly detection model of mammography using YOLOv4-based histogram. Personal and Ubiquitous Computing, 0, , 1.	1.9	3
139	Improving the Map/Reduce Model through Data Distribution and Task Progress Scheduling. The Journal of the Korea Contents Association, 2010, 10, 78-85.	0.0	3
140	Vital Signal Monitoring Simulation System by Various Visual Stimulus. The Journal of the Korea Contents Association, 2011, 11, 1-8.	0.0	3
141	Ontology Based Context Information Model for u-Healthcare Service. , 2011, , .		2
142	Ergonomics Automotive Design Recommendation Using Image Based Collaborative Filtering. , 2012, , .		2
143	Active Discrete Event Simulation Algorithm Using Probability Distribution of Shipbuilding Process. , 2013, , .		2
144	Performance analysis of LTE downlink system using relay-based selective transmission. Personal and Ubiquitous Computing, 2014, 18, 543-551.	1.9	2

#	ARTICLE	IF	CITATIONS
145	Performance analysis of non-PC/SC based mini-WiMAX connection manager. Cluster Computing, 2014, 17, 775-789.	3.5	2
146	Multi-modal emotion prediction system using convergence media and active contents. Personal and Ubiquitous Computing, 0, , 1.	1.9	2
147	Discovery of Behavior Sequence Pattern using Mining in Smart Home. The Journal of the Korea Contents Association, 2008, 8, 19-26.	0.0	2
148	Skin Color Based Hand and Finger Detection for Gesture Recognition in CCTV Surveillance. The Journal of the Korea Contents Association, 2011, 11, 1-10.	0.0	2
149	Sensibility Ergonomics Design Recommendation System Using Weather WebBot. , 2011, , .		1
150	Design of Portable Healthcare Gateway for Patient with Chronic Disease. , 2013, , .		1
151	An efficient thread partition policy for secure functional language. Journal of Computer Virology and Hacking Techniques, 2015, 11, 165-171.	1.6	1
152	Captioning model based on meta-learning using prior-convergence knowledge for explainable images. Personal and Ubiquitous Computing, 0, , 1.	1.9	1
153	Weight Feedback-Based Harmonic MDG-Ensemble Model for Prediction of Traffic Accident Severity. Applied Sciences (Switzerland), 2021, 11, 5072.	1.3	1
154	Health Risk Detection and Classification Model Using Multi-Model-Based Image Channel Expansion and Visual Pattern Standardization. Applied Sciences (Switzerland), 2021, 11, 8621.	1.3	1
155	Image Enhancement Method Research for Face Detection. The Journal of the Korea Contents Association, 2009, 9, 13-21.	0.0	1
156	Secure and Efficient Database Searching in RFID Systems using Tag-Grouping Based on Hash-Chain. The Journal of the Korea Contents Association, 2009, 9, 9-17.	0.0	1
157	Color Area Correction Algorithm for Tracking Curved Fingertip. The Journal of the Korea Contents Association, 2011, 11, 11-18.	0.0	1
158	RFID-Based Dynamic Profiling for Recommendation Service in Automation System. , 2009, , .		0
159	A Valid Frequency Range Analysis of Throat Signal for Voice Command System. , 2011, , .		0
160	Categorization for Grouping Associative Items Mining in Item-Based Collaborative Filtering. , 2011, , .		0
161	Complex Knowledge Process Engine Design for Management of Complex Knowledge. , 2013, , .		0
162	Robust Vocabulary Recognition Model Using Average Estimator Least Mean Square Filter. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
163	Social Network based Sensibility Design Recommendation using {User - Associative Design} Matrix. Journal of Digital Convergence, 2016, 14, 313-318.	0.1	0
164	Dementia Prediction Support Model Using Regression Analysis and Image Style Transfer. Applied Sciences (Switzerland), 2022, 12, 3536.	1.3	0
165	Recent trends in convergence-based smart healthcare service. Technology and Health Care, 2014, , .	0.5	0
166	Sentimental Analysis of Multimedia Contents Using Convolutional Neural Networks-Based Adaptive Emotion Prediction. Journal of Computational and Theoretical Nanoscience, 2021, 18, 1646-1651.	0.4	0