

# Kyung-Yong Chung

## List of Publications by Year in descending order

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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	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
2	MMCNet: deep learning-based multimodal classification model using dynamic knowledge. Personal and Ubiquitous Computing, 2022, 26, 355-364.	1.9	6
3	CNN-based health model using knowledge mining of influencing factors. Personal and Ubiquitous Computing, 2022, 26, 221-231.	1.9	3
4	Knowledge-based block chain networks for health log data management mobile service. Personal and Ubiquitous Computing, 2022, 26, 297-305.	1.9	8
5	Dementia Prediction Support Model Using Regression Analysis and Image Style Transfer. Applied Sciences (Switzerland), 2022, 12, 3536.	1.3	0
6	Prediction of cardiac disease-causing pattern using multimedia extraction in health ontology. Multimedia Tools and Applications, 2021, 80, 34713-34729.	2.6	3
7	Knowledge expansion of metadata using script mining analysis in multimedia recommendation. Multimedia Tools and Applications, 2021, 80, 34679-34695.	2.6	7
8	Multimedia recommendation using Word2Vec-based social relationship mining. Multimedia Tools and Applications, 2021, 80, 34499-34515.	2.6	21
9	Social mining-based clustering process for big-data integration. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 589-600.	3.3	20
10	Diagnosis Support Model of Cardiomegaly Based on CNN Using ResNet and Explainable Feature Map. IEEE Access, 2021, 9, 55802-55813.	2.6	14
11	PGGAN-Based Anomaly Classification on Chest X-Ray Using Weighted Multi-Scale Similarity. IEEE Access, 2021, 9, 113315-113325.	2.6	7
12	Multi-Level Health Knowledge Mining Process in P2P Edge Network. IEEE Access, 2021, 9, 61623-61634.	2.6	5
13	Multimedia knowledge-based bridge health monitoring using digital twin. Multimedia Tools and Applications, 2021, 80, 34609-34624.	2.6	45
14	Weight Feedback-Based Harmonic MDG-Ensemble Model for Prediction of Traffic Accident Severity. Applied Sciences (Switzerland), 2021, 11, 5072.	1.3	1
15	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
16	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
17	Associative Knowledge Graph Using Fuzzy Clustering and Min-Max Normalization in Video Contents. IEEE Access, 2021, 9, 74802-74816.	2.6	19
18	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

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19	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
20	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
21	Edge computing health model using P2P-based deep neural networks. Peer-to-Peer Networking and Applications, 2020, 13, 694-703.	2.6	19
22	Neural-network based adaptive context prediction model for ambient intelligence. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1451-1458.	3.3	38
23	P2P-based open health cloud for medicine management. Peer-to-Peer Networking and Applications, 2020, 13, 610-622.	2.6	18
24	Knowledge-based dynamic cluster model for healthcare management using a convolutional neural network. Information Technology and Management, 2020, 21, 41-50.	1.4	27
25	Knowledge process of health big data using MapReduce-based associative mining. Personal and Ubiquitous Computing, 2020, 24, 571-581.	1.9	21
26	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
27	Knowledge-based hybrid decision model using neural network for nutrition management. Information Technology and Management, 2020, 21, 29-39.	1.4	28
28	Pothole Classification Model Using Edge Detection in Road Image. Applied Sciences (Switzerland), 2020, 10, 6662.	1.3	25
29	PrefixSpan Based Pattern Mining Using Time Sliding Weight From Streaming Data. IEEE Access, 2020, 8, 124833-124844.	2.6	14
30	Optimization of Associative Knowledge Graph using TF-IDF based Ranking Score. Applied Sciences (Switzerland), 2020, 10, 4590.	1.3	20
31	Line-segment Feature Analysis Algorithm Using Input Dimensionality Reduction for Handwritten Text Recognition. Applied Sciences (Switzerland), 2020, 10, 6904.	1.3	5
32	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
33	Word-Embedding-Based Traffic Document Classification Model for Detecting Emerging Risks Using Sentiment Similarity Weight. IEEE Access, 2020, 8, 183983-183994.	2.6	3
34	Hybrid Multi-Modal Deep Learning using Collaborative Concat Layer in Health Bigdata. IEEE Access, 2020, 8, 192469-192480.	2.6	9
35	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
36	Prediction of Traffic Congestion Based on LSTM Through Correction of Missing Temporal and Spatial Data. IEEE Access, 2020, 8, 150784-150796.	2.6	30

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37	Real-Time Streaming Image Based PP2LFA-CRNN Model for Facial Sentiment Analysis. IEEE Access, 2020, 8, 199586-199602.	2.6	9
38	Multi-Modal Stacked Denoising Autoencoder for Handling Missing Data in Healthcare Big Data. IEEE Access, 2020, 8, 104933-104943.	2.6	32
39	Decision Boundary-Based Anomaly Detection Model Using Improved AnoGAN From ECG Data. IEEE Access, 2020, 8, 108664-108674.	2.6	28
40	Driver Facial Expression Analysis Using LFA-CRNN-Based Feature Extraction for Health-Risk Decisions. Applied Sciences (Switzerland), 2020, 10, 2956.	1.3	20
41	Context Deep Neural Network Model for Predicting Depression Risk Using Multiple Regression. IEEE Access, 2020, 8, 18171-18181.	2.6	58
42	Associative Feature Information Extraction Using Text Mining from Health Big Data. Wireless Personal Communications, 2019, 105, 691-707.	1.8	49
43	Activity-based nutrition management model for healthcare using similar group analysis. Technology and Health Care, 2019, 27, 473-485.	0.5	13
44	Hybrid clustering based health decision-making for improving dietary habits. Technology and Health Care, 2019, 27, 459-472.	0.5	36
45	Activity Recommendation Model Using Rank Correlation for Chronic Stress Management. Applied Sciences (Switzerland), 2019, 9, 4284.	1.3	13
46	Sequential-index pattern mining for lifecare telecommunication platform. Cluster Computing, 2019, 22, 1039-1048.	3.5	4
47	Blockchain Network Based Topic Mining Process for Cognitive Manufacturing. Wireless Personal Communications, 2019, 105, 583-597.	1.8	49
48	Mining Based Time-Series Sleeping Pattern Analysis for Life Big-Data. Wireless Personal Communications, 2019, 105, 475-489.	1.8	20
49	Chatbot-based healthcare service with a knowledge base for cloud computing. Cluster Computing, 2019, 22, 1925-1937.	3.5	94
50	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
51	Performance Evaluation of Silence-Feature Normalization Model using Cepstrum Features of Noise Signals. Wireless Personal Communications, 2018, 98, 3287-3297.	1.8	5
52	Heart rate variability based stress index service model using bio-sensor. Cluster Computing, 2018, 21, 1139-1149.	3.5	29
53	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
54	PHR Based Diabetes Index Service Model Using Life Behavior Analysis. Wireless Personal Communications, 2017, 93, 161-174.	1.8	37

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55	Depression Index Service Using Knowledge Based Crowdsourcing in Smart Health. Wireless Personal Communications, 2017, 93, 255-268.	1.8	34
56	Emerging risk forecast system using associative index mining analysis. Cluster Computing, 2017, 20, 547-558.	3.5	21
57	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
58	Towards Ubiquitous Health with Convergence. Technology and Health Care, 2016, 24, 411-413.	0.5	9
59	Associative context mining for ontology-driven hidden knowledge discovery. Cluster Computing, 2016, 19, 2261-2271.	3.5	32
60	Vocabulary optimization process using similar phoneme recognition and feature extraction. Cluster Computing, 2016, 19, 1683-1690.	3.5	5
61	3D Human-Gesture Interface for Fighting Games Using Motion Recognition Sensor. Wireless Personal Communications, 2016, 89, 927-940.	1.8	18
62	Life style improvement mobile service for high risk chronic disease based on PHR platform. Cluster Computing, 2016, 19, 967-977.	3.5	31
63	Voice Activity Detection Using an Improved Unvoiced Feature Normalization Process in Noisy Environments. Wireless Personal Communications, 2016, 89, 747-759.	1.8	6
64	Mining Based Urban Climate Disaster Index Service According to Potential Risk. Wireless Personal Communications, 2016, 89, 1009-1025.	1.8	10
65	PHR Based Life Health Index Mobile Service Using Decision Support Model. Wireless Personal Communications, 2016, 86, 315-332.	1.8	27
66	PHR open platform based smart health service using distributed object group framework. Cluster Computing, 2016, 19, 505-517.	3.5	35
67	Knowledge-based health service considering user convenience using hybrid Wi-Fi P2P. Information Technology and Management, 2016, 17, 67-80.	1.4	46
68	Knowledge based decision support system. Information Technology and Management, 2016, 17, 1-3.	1.4	30
69	Slope Based Intelligent 3D Disaster Simulation Using Physics Engine. Wireless Personal Communications, 2016, 86, 183-199.	1.8	26
70	Continuous Gesture Recognition using HLAC and Low-Dimensional Space. Wireless Personal Communications, 2016, 86, 255-270.	1.8	4
71	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
72	P2P cloud network services for IoT based disaster situations information. Peer-to-Peer Networking and Applications, 2016, 9, 566-577.	2.6	51

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73	Knowledge-based dietary nutrition recommendation for obese management. Information Technology and Management, 2016, 17, 29-42.	1.4	87
74	Social Network based Sensibility Design Recommendation using {User - Associative Design} Matrix. Journal of Digital Convergence, 2016, 14, 313-318.	0.1	0
75	Ontology-driven slope modeling for disaster management service. Cluster Computing, 2015, 18, 677-692.	3.5	28
76	Sequential pattern profiling based bio-detection for smart health service. Cluster Computing, 2015, 18, 209-219.	3.5	52
77	An efficient thread partition policy for secure functional language. Journal of Computer Virology and Hacking Techniques, 2015, 11, 165-171.	1.6	1
78	Improvement of speech signal extraction method using detection filter of energy spectrum entropy. Cluster Computing, 2015, 18, 629-635.	3.5	7
79	Emergency situation monitoring service using context motion tracking of chronic disease patients. Cluster Computing, 2015, 18, 747-759.	3.5	74
80	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
81	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
82	Medical information service system based on human 3D anatomical model. Multimedia Tools and Applications, 2015, 74, 8939-8950.	2.6	41
83	Performance analysis of advanced bus information system using LTE antenna. Multimedia Tools and Applications, 2015, 74, 9043-9054.	2.6	7
84	Towards virtualized and automated software performance test architecture. Multimedia Tools and Applications, 2015, 74, 8745-8759.	2.6	28
85	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
86	Catching up faster data in digital crime using mobile devices. Multimedia Tools and Applications, 2015, 74, 9007-9016.	2.6	6
87	Decision supporting method for chronic disease patients based on mining frequent pattern tree. Multimedia Tools and Applications, 2015, 74, 8979-8991.	2.6	22
88	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
89	Alleviating the cold-start problem by incorporating movies facebook pages. Cluster Computing, 2015, 18, 187-197.	3.5	24
90	Ontology-based inference system for adaptive object recognition. Multimedia Tools and Applications, 2015, 74, 8893-8905.	2.6	7

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91	Design of access control system for telemedicine secure XML documents. Multimedia Tools and Applications, 2015, 74, 2257-2271.	2.6	21
92	Estimating unreliable objects and system reliability in P2P networks. Peer-to-Peer Networking and Applications, 2015, 8, 610-619.	2.6	8
93	Annotation alignment method on P2P-TV system. Peer-to-Peer Networking and Applications, 2015, 8, 578-586.	2.6	4
94	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
95	Factors influencing the acceptance of telemedicine for diabetes management. Cluster Computing, 2015, 18, 321-331.	3.5	99
96	Evolutionary rule decision using similarity based associative chronic disease patients. Cluster Computing, 2015, 18, 279-291.	3.5	21
97	Model transformation verification using similarity and graph comparison algorithm. Multimedia Tools and Applications, 2015, 74, 8907-8920.	2.6	23
98	Policy on literature content based on software as service. Multimedia Tools and Applications, 2015, 74, 9087-9096.	2.6	19
99	Interactive pain nursing intervention system for smart health service. Multimedia Tools and Applications, 2015, 74, 2449-2466.	2.6	9
100	Feature selection for daily peak load forecasting using a neuro-fuzzy system. Multimedia Tools and Applications, 2015, 74, 2321-2336.	2.6	12
101	Picocell based telemedicine health service for human UX/UI. Multimedia Tools and Applications, 2015, 74, 2519-2534.	2.6	19
102	The effects of transportation energy policy on fuel consumption and transportation safety. Multimedia Tools and Applications, 2015, 74, 2535-2557.	2.6	3
103	Recent trends in convergence-based smart healthcare service. Technology and Health Care, 2014, 22, 303-307.	0.5	12
104	Recent Trends in Digital Convergence Information System. Wireless Personal Communications, 2014, 79, 2409-2413.	1.8	24
105	Categorization for grouping associative items using data mining in item-based collaborative filtering. Multimedia Tools and Applications, 2014, 71, 889-904.	2.6	26
106	Item recommendation based on context-aware model for personalized u-healthcare service. Multimedia Tools and Applications, 2014, 71, 855-872.	2.6	73
107	Recent trends on mobile computing and future networks. Personal and Ubiquitous Computing, 2014, 18, 489-491.	1.9	27
108	Effect of facial makeup style recommendation on visual sensibility. Multimedia Tools and Applications, 2014, 71, 843-853.	2.6	33

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109	Interactive middleware architecture for lifelog based context awareness. Multimedia Tools and Applications, 2014, 71, 813-826.	2.6	27
110	3D simulator for stability analysis of finite slope causing plane activity. Multimedia Tools and Applications, 2014, 68, 455-463.	2.6	40
111	Single tag sharing scheme for multiple-object RFID applications. Multimedia Tools and Applications, 2014, 68, 465-477.	2.6	11
112	Ontology driven interactive healthcare with wearable sensors. Multimedia Tools and Applications, 2014, 71, 827-841.	2.6	53
113	Ontology-based healthcare context information model to implement ubiquitous environment. Multimedia Tools and Applications, 2014, 71, 873-888.	2.6	115
114	Performance analysis of LTE downlink system using relay-based selective transmission. Personal and Ubiquitous Computing, 2014, 18, 543-551.	1.9	2
115	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
116	Development of head detection and tracking systems for visual surveillance. Personal and Ubiquitous Computing, 2014, 18, 515-522.	1.9	46
117	Target speech feature extraction using non-parametric correlation coefficient. Cluster Computing, 2014, 17, 893-899.	3.5	37
118	An Efficient Data Dissemination Method over Wireless Ad-Hoc Networks. Wireless Personal Communications, 2014, 79, 2531-2550.	1.8	10
119	Recent trends in interactive multimedia computing for industry. Cluster Computing, 2014, 17, 723-726.	3.5	23
120	Recent trends on convergence and ubiquitous computing. Personal and Ubiquitous Computing, 2014, 18, 1291-1293.	1.9	34
121	Mobile healthcare application with EMR interoperability for diabetes patients. Cluster Computing, 2014, 17, 871-880.	3.5	48
122	Mining-based associative image filtering using harmonic mean. Cluster Computing, 2014, 17, 767-774.	3.5	24
123	Performance analysis of non-PC/SC based mini-WiMAX connection manager. Cluster Computing, 2014, 17, 775-789.	3.5	2
124	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
125	Bi-level optimization programming for the shipper-carrier network problem. Cluster Computing, 2014, 17, 805-816.	3.5	9
126	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



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127	Discovery of automotive design paradigm using relevance feedback. Personal and Ubiquitous Computing, 2014, 18, 1363-1372.	1.9	20
128	Multiple categorizations of products: cognitive modeling of customers through social media data mining. Personal and Ubiquitous Computing, 2014, 18, 1387-1403.	1.9	19
129	Improvement of Speech Detection Using ERB Feature Extraction. Wireless Personal Communications, 2014, 79, 2439-2451.	1.8	12
130	Influential Factors of Smart Health Users according to Usage Experience and Intention to Use. Wireless Personal Communications, 2014, 79, 2671-2683.	1.8	51
131	Real-Time Tracking and Recognition Systems for Interactive Telemedicine Health Services. Wireless Personal Communications, 2014, 79, 2611-2626.	1.8	12
132	Recent trends in Mobile Communication Systems. Journal of Computer Virology and Hacking Techniques, 2014, 10, 67-70.	1.6	8
133	Recent trends in convergence-based smart healthcare service. Technology and Health Care, 2014, , .	0.5	0
134	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
135	Bio-Interactive Healthcare Service System Using Lifelog Based Context Computing. Wireless Personal Communications, 2013, 73, 341-351.	1.8	23
136	Design of Portable Healthcare Gateway for Patient with Chronic Disease. , 2013, , .		1
137	Emergency Situation Alarm System Motion Using Tracking of People like Elderly Live Alone. , 2013, , .		16
138	Home Health Gateway Based Healthcare Services Through U-Health Platform. Wireless Personal Communications, 2013, 73, 207-218.	1.8	53
139	Interactive Design Recommendation Using Sensor Based Smart Wear and Weather WebBot. Wireless Personal Communications, 2013, 73, 243-256.	1.8	37
140	Dynamic Reconfiguration Based on Goal-Scenario by Adaptation Strategy. Wireless Personal Communications, 2013, 73, 309-318.	1.8	27
141	Active Discrete Event Simulation Algorithm Using Probability Distribution of Shipbuilding Process. , 2013, , .		2
142	Complex Knowledge Process Engine Design for Management of Complex Knowledge. , 2013, , .		0
143	Robust Vocabulary Recognition Model Using Average Estimator Least Mean Square Filter. , 2013, , .		0
144	Performance Analysis of Intelligence Pain Nursing Intervention U-health System. The Journal of the Korea Contents Association, 2013, 13, 1-7.	0.0	6

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145	Ergonomics Automotive Design Recommendation Using Image Based Collaborative Filtering. , 2012, , .		2
146	A Valid Frequency Range Analysis of Throat Signal for Voice Command System. , 2011, , .		0
147	Categorization for Grouping Associative Items Mining in Item-Based Collaborative Filtering. , 2011, , .		0
148	Ontology Based Context Information Model for u-Healthcare Service. , 2011, , .		2
149	Sensibility Ergonomics Design Recommendation System Using Weather WebBot. , 2011, , .		1
150	Context-Aware Based Item Recommendation for Personalized Service. , 2011, , .		3
151	Vital Signal Monitoring Simulation System by Various Visual Stimulus. The Journal of the Korea Contents Association, 2011, 11, 1-8.	0.0	3
152	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
153	Color Area Correction Algorithm for Tracking Curved Fingertip. The Journal of the Korea Contents Association, 2011, 11, 11-18.	0.0	1
154	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
155	Health Information Monitoring System using Context Sensors based Band. The Journal of the Korea Contents Association, 2011, 11, 14-22.	0.0	5
156	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
157	RFID-Based Dynamic Profiling for Recommendation Service in Automation System. , 2009, , .		0
158	Image Enhancement Method Research for Face Detection. The Journal of the Korea Contents Association, 2009, 9, 13-21.	0.0	1
159	Life Weather Index Monitoring System using Wearable based Smart Cap. The Journal of the Korea Contents Association, 2009, 9, 477-484.	0.0	14
160	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
161	A Recommendation Agent System Using HMM-Based Collaborative Filtering in Smart Home Environment. , 2008, , .		3
162	Discovery of Behavior Sequence Pattern using Mining in Smart Home. The Journal of the Korea Contents Association, 2008, 8, 19-26.	0.0	2

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163	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
164	Captioning model based on meta-learning using prior-convergence knowledge for explainable images. Personal and Ubiquitous Computing, 0, , 1.	1.9	1
165	Multi-modal emotion prediction system using convergence media and active contents. Personal and Ubiquitous Computing, 0, , 1.	1.9	2
166	Anomaly detection model of mammography using YOLOv4-based histogram. Personal and Ubiquitous Computing, 0, , 1.	1.9	3