Byeong Ho Kang

List of Publications by Year
in descending order

97 papers	1,676 citations	377584 21 h-index	371746 37 g-index
98 all docs	98 docs citations	98 times ranked	1796 citing authors

#	Article	IF	Citations
1	Towards Interconnected Blockchains. ACM Computing Surveys, 2022, 54, 1-39.	16.1	25
2	A context-aware information-based clone node attack detection scheme in Internet of Things. Journal of Network and Computer Applications, 2022, 197, 103271.	5.8	9
3	Generating training images with different angles by GAN for improving grocery product image recognition. Neurocomputing, 2022, 488, 694-705.	3.5	4
4	Towards a formal modelling, analysis and verification of a clone node attack detection scheme in the internet of things. Computer Networks, 2022, 204, 108702.	3.2	5
5	Smart-contract enabled decentralized knowledge fusion for blockchain-based conversation system. Expert Systems With Applications, 2022, 203, 117089.	4.4	4
6	A blockchain-based framework for automatic SLA management in fog computing environments. Journal of Supercomputing, 2022, 78, 16647-16677.	2.4	4
7	A Generalized Golden Rule Representative Value for Multiple-Criteria Decision Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3193-3204.	5.9	12
8	A decision model for blockchain applicability into knowledge-based conversation system. Knowledge-Based Systems, 2021, 220, 106791.	4.0	21
9	Performance evaluation of Hyperledger Fabric-enabled framework for pervasive peer-to-peer energy trading in smart Cyber–Physical Systems. Future Generation Computer Systems, 2021, 118, 392-416.	4.9	22
10	GPSPiChain-Blockchain and AI based Self-Contained Anomaly Detection Family Security System in Smart Home. Journal of Systems Science and Systems Engineering, 2021, 30, 433.	0.8	4
11	A formally verified blockchain-based decentralised authentication scheme for the internet of things. Journal of Supercomputing, 2021, 77, 14461-14501.	2.4	13
12	Teaching Embedded Systems and Internet-of-Things Supported by Multipurpose Multiobjective Remote Laboratories. IEEE Transactions on Learning Technologies, 2021, 14, 526-539.	2.2	3
13	SDP: Scalable Real-time Dynamic Graph Partitioner. IEEE Transactions on Services Computing, 2021, , 1-1.	3.2	1
14	A knowledge construction methodology to automate case‐based learning using clinical documents. Expert Systems, 2020, 37, e12401.	2.9	1
15	An Efficient Resource Monitoring Service for Fog Computing Environments. IEEE Transactions on Services Computing, 2020, 13, 709-722.	3.2	29
16	Deep Learning for Retail Product Recognition: Challenges and Techniques. Computational Intelligence and Neuroscience, 2020, 2020, 1-23.	1.1	40
17	The Intelligent Medical Platform: A Novel Dialogue-Based Platform for Health-Care Services. Computer, 2020, 53, 35-45.	1.2	12
18	Estimating Service Quality in Industrial Internet-of-Things Monitoring Applications With Blockchain. IEEE Access, 2019, 7, 155489-155503.	2.6	21

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19	MCRDR Knowledge-Based 3D Dialogue Simulation in Clinical Training and Assessment. Journal of Medical Systems, 2019, 43, 200.	2.2	8
20	Location-Based Mobile Marketing Innovations 2018. Mobile Information Systems, 2019, 2019, 1-2.	0.4	0
21	A Survey on Blockchain-Based Internet Service Architecture: Requirements, Challenges, Trends, and Future. IEEE Access, 2019, 7, 75845-75872.	2.6	85
22	A distributed caseâ€•and projectâ€•based learning to design 3D lab on electronic engineering education. Computer Applications in Engineering Education, 2019, 27, 430-451.	2.2	13
23	Window-based Streaming Graph Partitioning Algorithm. , 2019, , .		13
24	Autonomous Underwater Vehicle Navigation Using Sonar Image Matching based on Convolutional Neural Network. IFAC-PapersOnLine, 2019, 52, 156-162.	0.5	16
25	Comparative Analysis of Intelligent Personal Agent Performance. Lecture Notes in Computer Science, 2019, , 127-141.	1.0	2
26	Data-driven knowledge acquisition, validation, and transformation into HL7 Arden Syntax. Artificial Intelligence in Medicine, 2018, 92, 51-70.	3.8	17
27	RDR-based knowledge based system to the failure detection in industrial cyber physical systems. Knowledge-Based Systems, 2018, 150, 1-13.	4.0	20
28	A Data-Driven Knowledge Acquisition System: An End-to-End Knowledge Engineering Process for Generating Production Rules. IEEE Access, 2018, 6, 15587-15607.	2.6	25
29	Hierarchical topic modeling with pose-transition feature for action recognition using 3D skeleton data. Information Sciences, 2018, 444, 20-35.	4.0	40
30	Selective bit embedding scheme for robust blind color image watermarking. Information Sciences, 2018, 426, 1-18.	4.0	64
31	iCBLS: An interactive case-based learning system for medical education. International Journal of Medical Informatics, 2018, 109, 55-69.	1.6	57
32	Personalization of wellness recommendations using contextual interpretation. Expert Systems With Applications, 2018, 96, 506-521.	4.4	28
33	Research on Image Target Detection and Recognition Based on Deep Learning. , 2018, , .		4
34	uEFS: An efficient and comprehensive ensemble-based feature selection methodology to select informative features. PLoS ONE, 2018, 13, e0202705.	1.1	15
35	Clinically Harmonized Wellness Concepts Model for Health and Wellness Services. IEEE Access, 2018, 6, 26660-26674.	2.6	3
36	Intelligent conversation system using multiple classification ripple down rules and conversational context. Expert Systems With Applications, 2018, 112, 342-352.	4.4	24

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37	KEM-DT. , 2018, , .		0
38	A Hybrid Failure Diagnosis and Prediction using Natural Language-based Process Map and Rule-based Expert System. International Journal of Computers, Communications and Control, 2018, 13, 175-191.	1.2	2
39	Missing Information Prediction in Ripple Down Rule Based Clinical Decision Support System. Lecture Notes in Computer Science, 2018, , 179-188.	1.0	2
40	NIC: A Robust Background Extraction Algorithm for Foreground Detection in Dynamic Scenes. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1478-1490.	5.6	35
41	A new multiple seeds based genetic algorithm for discovering a set of interesting Boolean association rules. Expert Systems With Applications, 2017, 74, 55-69.	4.4	31
42	IoTFLiP: IoT-based flipped learning platform for medical education. Digital Communications and Networks, 2017, 3, 188-194.	2.7	49
43	Multi-model-based interactive authoring environment for creating shareable medical knowledge. Computer Methods and Programs in Biomedicine, 2017, 150, 41-72.	2.6	15
44	From Data to Decisions: Helping Crop Producers Build Their Actionable Knowledge. Critical Reviews in Plant Sciences, 2017, 36, 71-88.	2.7	40
45	An IoT-based CBL methodology to create realworld clinical cases for medical education. , 2017, , .		3
46	Location-Based Mobile Marketing Innovations. Mobile Information Systems, 2017, 2017, 1-3.	0.4	6
47	An Enhancement of Optimized Detection Rule of Security Monitoring and Control for Detection of Cyberthreat in Location-Based Mobile System. Mobile Information Systems, 2017, 2017, 1-13.	0.4	1
48	Chinese trending search terms popularity rank prediction. Information Technology and Management, 2016, 17, 133-139.	1.4	1
49	UDeKAM: A methodology for acquiring declarative structured knowledge from unstructured knowledge resources. , 2016, , .		1
50	Predicting the Scale of Trending Topic Diffusion Among Online Communities. Lecture Notes in Computer Science, 2016, , 153-165.	1.0	1
51	The Mining Minds digital health and wellness framework. BioMedical Engineering OnLine, 2016, 15, 76.	1.3	42
52	Multimodal hybrid reasoning methodology for personalized wellbeing services. Computers in Biology and Medicine, 2016, 69, 10-28.	3.9	44
53	Evaluating Large-Scale Biomedical Ontology Matching Over Parallel Platforms. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2016, 33, 415-427.	2.1	10
54	Health Fog: a novel framework for health and wellness applications. Journal of Supercomputing, 2016, 72, 3677-3695.	2.4	174

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55	Constructing an initial knowledge base for medical domain expert system using induct RDR. , 2016, , .		4
56	Application of Feature Subset Selection Methods on Classifiers Comprehensibility for Bio-Medical Datasets. Lecture Notes in Computer Science, 2016, , 38-43.	1.0	1
57	Multiple Seeds Based Evolutionary Algorithm for Mining Boolean Association Rules. Lecture Notes in Computer Science, 2016, , 61-72.	1.0	0
58	Correlating health and wellness analytics for personalized decision making. , 2015, , .		5
59	Context‐aware scheduling in MapReduce: a compact review. Concurrency Computation Practice and Experience, 2015, 27, 5332-5349.	1.4	10
60	GUDM: Automatic Generation of Unified Datasets for Learning and Reasoning in Healthcare. Sensors, 2015, 15, 15772-15798.	2.1	13
61	Knowledge-Based Query Construction Using the CDSS Knowledge Base for Efficient Evidence Retrieval. Sensors, 2015, 15, 21294-21314.	2.1	16
62	An Innovative Platform for Person-Centric Health and Wellness Support. Lecture Notes in Computer Science, 2015, , 131-140.	1.0	14
63	Mining Minds: an innovative framework for personalized health and wellness support. , 2015, , .		20
64	Investigation and improvement of multi-layer perceptron neural networks for credit scoring. Expert Systems With Applications, 2015, 42, 3508-3516.	4.4	156
65	O-Bin: Oblivious Binning for Encrypted Data over Cloud. , 2015, , .		0
66	Performance-based ontology matching. Applied Intelligence, 2015, 43, 356-385.	3.3	10
67	Comparative analysis of genetic based approach and Apriori algorithm for mining maximal frequent item sets. , 2015, , .		6
68	KARE. , 2015, , .		7
69	Task-oriented access model for secure data sharing over cloud. , 2015, , .		0
70	ReSet. , 2015, , .		0
71	An Interactive Case-Based Flip Learning Tool for Medical Education. Lecture Notes in Computer Science, 2015, , 355-360.	1.0	5
72	Discovery of Interesting Association Rules Using Genetic Algorithm with Adaptive Mutation. Lecture Notes in Computer Science, 2015, , 96-105.	1.0	2

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73	A New Evolutionary Algorithm for Extracting a Reduced Set of Interesting Association Rules. Lecture Notes in Computer Science, 2015, , 133-142.	1.0	9
74	Exploring a role for MCRDR in enhancing telehealthÂdiagnostics. Multimedia Tools and Applications, 2015, 74, 8467-8481.	2.6	3
75	Proposal: A Design of E-learning User Authentication System. International Journal of Security and Its Applications, 2015, 9, 45-50.	0.5	9
76	ATHENA: A Personalized Platform to Promote an Active Lifestyle and Wellbeing Based on Physical, Mental and Social Health Primitives. Sensors, 2014, 14, 9313-9329.	2.1	31
77	Using MCRDR based Agile approach for expert system development. Computing (Vienna/New York), 2014, 96, 897-908.	3.2	9
78	Arden syntax studio: Creating medical logic module as shareable knowledge. , 2014, , .		3
79	Adaptive User Interface and User Experience Based Authoring Tool for Recommendation Systems. Lecture Notes in Computer Science, 2014, , 136-142.	1.0	10
80	Twitter Trending Topics Meaning Disambiguation. Lecture Notes in Computer Science, 2014, , 126-137.	1.0	3
81	MLM-Based Automated Query Generation for CDSS Evidence Support. Lecture Notes in Computer Science, 2014, , 296-299.	1.0	3
82	Discover and visualize association rules from sensor observations on the web. Journal of Supercomputing, 2013, 65, 4-15.	2.4	1
83	Reflection: A Lightweight Protocol for Private Matching. , 2013, , .		2
84	Identifying the Relevance of Social Issues to a Target. , 2012, , .		7
85	It Is Time to Prepare for the Future: Forecasting Social Trends. Communications in Computer and Information Science, 2012, , 325-331.	0.4	5
86	Expert-Driven Knowledge Discovery. , 2008, , .		4
87	A Robotic Interface to a Medication Review Expert System. , 2008, , .		0
88	Search Query Generation with MCRDR Document Classification Knowledge. Lecture Notes in Computer Science, 2008, , 292-301.	1.0	4
89	Applying MCRDR to a Multidisciplinary Domain. , 2007, , 519-528.		6
90	Intelligent Decision Support for Medication Review. Lecture Notes in Computer Science, 2006, , 120-131.	1.0	6

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91	A New Model for Classifying DNA Code Inspired by Neural Networks and FSA. Lecture Notes in Computer Science, 2006, , 187-198.	1.0	11
92	Automated Information Mediator for HTML and XML Based Web Information Delivery Service. Lecture Notes in Computer Science, 2005, , 401-404.	1.0	1
93	A Comparative Study on Statistical Machine Learning Algorithms and Thresholding Strategies for Automatic Text Categorization. Lecture Notes in Computer Science, 2002, , 444-453.	1.0	8
94	Help desk system with intelligent interface. Applied Artificial Intelligence, 1997, 11, 611-631.	2.0	49
95	Verification and validation with ripple-down rules. International Journal of Human Computer Studies, 1996, 44, 257-269.	3.7	20
96	Prudent expert systems with credentials: managing the expertise of decision support systems. International Journal of Bio-medical Computing, 1995, 40, 125-132.	0.5	22
97	Ripple down rules: Turning knowledge acquisition into knowledge maintenance. Artificial Intelligence in Medicine, 1992, 4, 463-475.	3.8	60