

Heuiseok Lim

List of Publications by Year in descending order

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86
papers

1,279
citations

430874

18
h-index

434195

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86
all docs

86
docs citations

86
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Mimicking Infantsâ€™ Bilingual Language Acquisition for Domain Specialized Neural Machine Translation. IEEE Access, 2022, 10, 38684-38693.	4.2	3
2	An Automatic Post Editing With Efficient and Simple Data Generation Method. IEEE Access, 2022, 10, 21032-21040.	4.2	3
3	Considering Commonsense in Solving QA: Reading Comprehension with Semantic Search and Continual Learning. Applied Sciences (Switzerland), 2022, 12, 4099.	2.5	0
4	Word-Level Quality Estimation for Korean-English Neural Machine Translation. IEEE Access, 2022, 10, 44964-44973.	4.2	1
5	AI for Patents: A Novel Yet Effective and Efficient Framework for Patent Analysis. IEEE Access, 2022, 10, 59205-59218.	4.2	1
6	Empirical Analysis of Parallel Corpora and In-Depth Analysis Using LIWC. Applied Sciences (Switzerland), 2022, 12, 5545.	2.5	3
7	BERTOEIC: Solving TOEIC Problems Using Simple and Efficient Data Augmentation Techniques with Pretrained Transformer Encoders. Applied Sciences (Switzerland), 2022, 12, 6686.	2.5	1
8	An adaptive educational computer game: Effects on students' knowledge and learning attitude in computational thinking. Computers in Human Behavior, 2021, 114, 106575.	8.5	50
9	From Gaming to Computational Thinking: An Adaptive Educational Computer Game-Based Learning Approach. Journal of Educational Computing Research, 2021, 59, 383-409.	5.5	52
10	Visual Thinking of Neural Networks: Interactive Text to Image Synthesis. IEEE Access, 2021, 9, 64510-64523.	4.2	7
11	Should we find another model?: Improving Neural Machine Translation Performance with ONE-Piece Tokenization Method without Model Modification. , 2021, , .		8
12	BTS: Back TranScripton for Speech-to-Text Post-Processor using Text-to-Speech-to-Text. , 2021, , .		12
13	An Empirical Study on Automatic Post Editing for Neural Machine Translation. IEEE Access, 2021, 9, 123754-123763.	4.2	3
14	Exploring the Data Efficiency of Cross-Lingual Post-Training in Pretrained Language Models. Applied Sciences (Switzerland), 2021, 11, 1974.	2.5	8
15	Multi-View Attention Network for Visual Dialog. Applied Sciences (Switzerland), 2021, 11, 3009.	2.5	10
16	Comparative Analysis of Current Approaches to Quality Estimation for Neural Machine Translation. Applied Sciences (Switzerland), 2021, 11, 6584.	2.5	4
17	Variational Reward Estimator Bottleneck: Towards Robust Reward Estimator for Multidomain Task-Oriented Dialogue. Applied Sciences (Switzerland), 2021, 11, 6624.	2.5	0
18	On the Redundancy in the Rank of Neural Network Parameters and Its Controllability. Applied Sciences (Switzerland), 2021, 11, 725.	2.5	3

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19	Grounded Vocabulary for Image Retrieval Using a Modified Multi-Generator Generative Adversarial Network. IEEE Access, 2021, 9, 144614-144623.	4.2	1
20	Who Speaks Like a Style of Vitamin: Towards Syntax-Aware Dialogue Summarization Using Multi-Task Learning. IEEE Access, 2021, 9, 168889-168898.	4.2	5
21	Enhancing Korean Named Entity Recognition With Linguistic Tokenization Strategies. IEEE Access, 2021, 9, 151814-151823.	4.2	7
22	K-EPIC: Entity-Perceived Context Representation in Korean Relation Extraction. Applied Sciences (Switzerland), 2021, 11, 11472.	2.5	6
23	A group preference-based item similarity model: comparison of clustering techniques in ambient and context-aware recommender systems. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1441-1449.	4.9	12
24	Image classification and captioning model considering a CAM-based disagreement loss. ETRI Journal, 2020, 42, 67-77.	2.0	6
25	Integrating breakdown detection into dialogue systems to improve knowledge management: encoding temporal utterances with memory attention. Information Technology and Management, 2020, 21, 51-59.	2.4	6
26	Decoding Strategies for Improving Low-Resource Machine Translation. Electronics (Switzerland), 2020, 9, 1562.	3.1	16
27	Gender-Based Analysis of Risk Factors for Dementia Using Senior Cohort. International Journal of Environmental Research and Public Health, 2020, 17, 7274.	2.6	7
28	Comparison of the Evaluation Metrics for Neural Grammatical Error Correction With Overcorrection. IEEE Access, 2020, 8, 106264-106272.	4.2	9
29	Predicting course achievement of university students based on their procrastination behaviour on Moodle. Soft Computing, 2020, 24, 18777-18793.	3.6	26
30	A Systematic Review of Defensive and Offensive Cybersecurity with Machine Learning. Applied Sciences (Switzerland), 2020, 10, 5811.	2.5	10
31	Automatic Judgement of Online Video Watching: I Know Whether or Not You Watched. Mathematics, 2020, 8, 1827.	2.2	2
32	Automatic extraction of named entities of cyber threats using a deep Bi-LSTM-CRF network. International Journal of Machine Learning and Cybernetics, 2020, 11, 2341-2355.	3.6	31
33	GREG: A Global Level Relation Extraction with Knowledge Graph Embedding. Applied Sciences (Switzerland), 2020, 10, 1181.	2.5	13
34	Development of Fashion Product Retrieval and Recommendations Model Based on Deep Learning. Electronics (Switzerland), 2020, 9, 508.	3.1	18
35	Neural spelling correction: translating incorrect sentences to correct sentences for multimedia. Multimedia Tools and Applications, 2020, , 1.	3.9	7
36	Study on Optimal Generative Network for Synthesizing Brain Tumor-Segmented MR Images. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	6

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37	Ancient Korean Neural Machine Translation. IEEE Access, 2020, 8, 116617-116625.	4.2	17
38	Optimum waste heat recovery from diesel engines: Thermo-economic assessment of nanofluid-based systems using a robust evolutionary approach. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2019, 233, 65-82.	2.5	4
39	Long-term effects of adaptive customization support on elderly people. Cognition, Technology and Work, 2019, 21, 371-382.	3.0	2
40	Unifying user preference and item knowledge-based similarity models for top-N recommendation. Personal and Ubiquitous Computing, 2019, , 1.	2.8	3
41	exBAKE: Automatic Fake News Detection Model Based on Bidirectional Encoder Representations from Transformers (BERT). Applied Sciences (Switzerland), 2019, 9, 4062.	2.5	144
42	Network-Based Document Clustering Using External Ranking Loss for Network Embedding. IEEE Access, 2019, 7, 155412-155423.	4.2	0
43	A semantic-based video scene segmentation using a deep neural network. Journal of Information Science, 2019, 45, 833-844.	3.3	16
44	SmartSenior: Automatic Content Personalization Through Semi-supervised Learning. Wireless Personal Communications, 2019, 105, 461-473.	2.7	5
45	A systematic review of data-driven approaches in player modeling of educational games. Artificial Intelligence Review, 2019, 52, 1997-2017.	15.7	34
46	AutoThinking: An Adaptive Computational Thinking Game. Lecture Notes in Computer Science, 2019, , 381-391.	1.3	21
47	Data-Driven Approaches to Game Player Modeling. ACM Computing Surveys, 2018, 50, 1-19.	23.0	76
48	SITS: A solution-based intelligent tutoring system for students' acquisition of problem-solving skills in computer programming. Innovations in Education and Teaching International, 2018, 55, 325-335.	2.5	24
49	Mining biometric data to predict programmer expertise and task difficulty. Cluster Computing, 2018, 21, 1097-1107.	5.0	36
50	Developing a hybrid collaborative filtering recommendation system with opinion mining on purchase review. Journal of Information Science, 2018, 44, 331-344.	3.3	47
51	A Procedural Content Generation-Based Framework for Educational Games: Toward a Tailored Data-Driven Game for Developing Early English Reading Skills. Journal of Educational Computing Research, 2018, 56, 293-310.	5.5	29
52	An adaptable UI/UX considering users' cognitive and behavior information in distributed environment. Cluster Computing, 2018, 21, 1045-1058.	5.0	15
53	Development and Evaluation of a Game-Based Bayesian Intelligent Tutoring System for Teaching Programming. Journal of Educational Computing Research, 2018, 56, 775-801.	5.5	18
54	Development of a Game-Based Learning Judgment System for Online Education Environments Based on Video Lecture: Minimum Learning Judgment System. Journal of Educational Computing Research, 2018, 56, 802-825.	5.5	3

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55	A comparative study on gamification of the flipped classroom in engineering education to enhance the effects of learning. Computer Applications in Engineering Education, 2018, 26, 1626-1640.	3.4	42
56	A data-driven procedural content generation approach for educational games. Journal of Computer Assisted Learning, 2018, 34, 731-739.	5.1	31
57	Modeling and thermo-economic optimization of a biomass heat recovery exchanger operating on Al ₂ O ₃ -water nanofluid. International Communications in Heat and Mass Transfer, 2017, 82, 63-73.	5.6	9
58	A Study of Keywords Based on the Word Frequency Effect Theory in Video Lectures of Software Engineering Education for Detecting Mind. , 2017, , .		0
59	Introduction to an intelligent UI/UX for aging people. , 2016, , .		0
60	A survey on data-driven approaches in educational games. , 2016, , .		2
61	Comparing Programming Language Comprehension between Novice and Expert Programmers Using EEG Analysis. , 2016, , .		33
62	A collaborative recommender system for learning courses considering the relevance of a learner's learning skills. Cluster Computing, 2016, 19, 2273-2284.	5.0	15
63	Predicting Second Language Proficiency Level Using Linguistic Cognitive Task and Machine Learning Techniques. Wireless Personal Communications, 2016, 86, 271-285.	2.7	1
64	A solution-based intelligent tutoring system integrated with an online game-based formative assessment: development and evaluation. Educational Technology Research and Development, 2016, 64, 787-808.	2.8	8
65	A Method for Measuring Cooperative Activities in a Social Network Supported Learning Environment. Wireless Personal Communications, 2016, 89, 863-879.	2.7	4
66	Applying an online game-based formative assessment in a flowchart-based intelligent tutoring system for improving problem-solving skills. Computers and Education, 2016, 94, 18-36.	8.3	86
67	Mining students activities from a computer supported collaborative learning system based on peer to peer network. Peer-to-Peer Networking and Applications, 2016, 9, 465-476.	3.9	20
68	A study on factor analysis to support knowledge based decisions for a smart class. Information Technology and Management, 2016, 17, 43-56.	2.4	13
69	Development of a Learner Profiling System Using Multidimensional Characteristics Analysis. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	4
70	A study for the mechanism of expression of individual creativity throughout the social learning platform in cluster computing environment (focus on scenario and data collection design). Cluster Computing, 2015, 18, 619-627.	5.0	5
71	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.	3.9	3
72	A Study on Effectiveness of Smart Classrooms Through Interaction Analysis. Advanced Science Letters, 2015, 21, 557-561.	0.2	10

#	ARTICLE	IF	CITATIONS
73	The Method of Digital Copyright Authentication for Contents of Collective Intelligence. Journal of the Korea Convergence Society, 2015, 6, 185-193.	0.1	3
74	A comparative analysis of the effectiveness of learning English vocabulary between smart device and printed material. International Journal of Intelligent Information and Database Systems, 2014, 8, 150.	0.3	1
75	Acquiring lexical knowledge using raw corpora and unsupervised clustering method. Cluster Computing, 2014, 17, 901-910.	5.0	3
76	Multiple categorizations of products: cognitive modeling of customers through social media data mining. Personal and Ubiquitous Computing, 2014, 18, 1387-1403.	2.8	19
77	An Integrated Teaching and Learning Assistance System Meeting Requirements for Smart Education. Wireless Personal Communications, 2014, 79, 2453-2467.	2.7	21
78	A computational model explaining language phenomena on Korean visual word recognition. Cognitive Systems Research, 2014, 27, 11-24.	2.7	5
79	Real-time vehicle tracking mechanism with license plate recognition from road images. Journal of Supercomputing, 2013, 65, 353-364.	3.6	14
80	Automatic extraction of user's search intention from web search logs. Multimedia Tools and Applications, 2012, 61, 145-162.	3.9	8
81	Using virtual platform in embedded system education. Computer Applications in Engineering Education, 2012, 20, 346-355.	3.4	12
82	The Biometric Based Convertible Undeniable Multi-Signature Scheme to Ensure Multi-Author Copyrights and Profits. Wireless Personal Communications, 2011, 60, 405-418.	2.7	5
83	An MLP-based feature subset selection for HIV-1 protease cleavage site analysis. Artificial Intelligence in Medicine, 2010, 48, 83-89.	6.5	36
84	Natural language-based user interface for mobile devices with limited resources. IEEE Transactions on Consumer Electronics, 2010, 56, 2086-2092.	3.6	6
85	Acquiring Korean Lexical Entry from a Raw Corpus. , 2010, , .		0
86	Prediction of students' procrastination behaviour through their submission behavioural pattern in online learning. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	9