

# K Robert Lai

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,071  
citations

393982

19  
h-index

433756

31  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pipelined Neural Networks for Phrase-Level Sentiment Intensity Prediction. IEEE Transactions on Affective Computing, 2020, 11, 447-458.	5.7	10
2	Driver Danger-Level Monitoring System Using Multi-Sourced Big Driving Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5271-5282.	4.7	15
3	Identifying Emotion Labels From Psychiatric Social Texts Using a Bi-Directional LSTM-CNN Model. IEEE Access, 2020, 8, 66638-66646.	2.6	27
4	Tree-Structured Regional CNN-LSTM Model for Dimensional Sentiment Analysis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 581-591.	4.0	71
5	Systemic lupus erythematosus is associated with poor outcome after acute myocardial infarction. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 1400-1407.	1.1	10
6	Using an analogical reasoning framework to infer language patterns for negative life events. BMC Medical Informatics and Decision Making, 2019, 19, 173.	1.5	1
7	Data-Driven Behavior-Based Negotiation Model for Cyber-Physical-Social Systems. IEEE Access, 2019, 7, 83319-83331.	2.6	3
8	Refining Word Embeddings Using Intensity Scores for Sentiment Analysis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 671-681.	4.0	116
9	Agent-based fuzzy constraint-directed negotiation for service level agreements in cloud computing. Cluster Computing, 2018, 21, 1349-1363.	3.5	12
10	Automatic Dangerous Driving Intensity Analysis for Advanced Driver Assistance Systems From Multimodal Driving Signals. IEEE Sensors Journal, 2018, 18, 4785-4794.	2.4	42
11	The Epidemiology and Cost of Hospital-Treated Traumatic Brain Injuries. , 2018, , .		0
12	Learning analytics on graduates' academic records to reflect on a competency-based curriculum. Computer Applications in Engineering Education, 2018, 26, 2168-2182.	2.2	2
13	A Study of the Effects of Daily Physical Activity on Memory and Attention Capacities in College Students. Journal of Healthcare Engineering, 2018, 2018, 1-9.	1.1	9
14	A negotiation-based adaptive learning system for regulating help-seeking behaviors. Computers and Education, 2018, 126, 115-128.	5.1	25
15	Effect of socioeconomic inequalities on cholecystectomy outcomes: a 10-year population-based analysis. International Journal for Equity in Health, 2018, 17, 22.	1.5	18
16	Open Student Models of Core Competencies at the Curriculum Level: Using Learning Analytics for Student Reflection. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 32-44.	3.2	25
17	Does the Short-Term Effect of Air Pollution Influence the Incidence of Spontaneous Intracerebral Hemorrhage in Different Patient Groups? Big Data Analysis in Taiwan. International Journal of Environmental Research and Public Health, 2017, 14, 1547.	1.2	13
18	Differences in Spontaneous Intracerebral Hemorrhage Cases between Urban and Rural Regions of Taiwan: Big Data Analytics of Government Open Data. International Journal of Environmental Research and Public Health, 2017, 14, 1548.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Outcomes in the Utilization of Single Percutaneous Cholecystostomy in a Low-Income Population. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1601.	1.2	1
20	Outcome comparison between percutaneous cholecystostomy and cholecystectomy: a 10-year population-based analysis. <i>BMC Surgery</i> , 2017, 17, 130.	0.6	27
21	Identification of natural antimicrobial peptides from bacteria through metagenomic and metatranscriptomic analysis of high-throughput transcriptome data of Taiwanese oolong teas. <i>BMC Systems Biology</i> , 2017, 11, 131.	3.0	19
22	UbiNet: an online resource for exploring the functional associations and regulatory networks of protein ubiquitylation. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw054.	1.4	25
23	Agent-based fuzzy constraint-directed negotiation mechanism for distributed job shop scheduling. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 53, 140-154.	4.3	47
24	Who will pass? Analyzing learner behaviors in MOOCs. <i>Research and Practice in Technology Enhanced Learning</i> , 2016, 11, 8.	1.9	82
25	An agent-based fuzzy constraint-directed negotiation model for solving supply chain planning and scheduling problems. <i>Applied Soft Computing Journal</i> , 2016, 48, 703-715.	4.1	26
26	Community-Based Weighted Graph Model for Valence-Arousal Prediction of Affective Words. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2016, 24, 1957-1968.	4.0	35
27	Ambient Air Pollution and the Risk of Central Retinal Artery Occlusion. <i>Ophthalmology</i> , 2016, 123, 2603-2609.	2.5	23
28	Epidemiology and socioeconomic features of appendicitis in Taiwan: a 12-year population-based study. <i>World Journal of Emergency Surgery</i> , 2015, 10, 42.	2.1	45
29	Trends and outcomes in the utilization of laparoscopic appendectomies in a low-income population in Taiwan from 2003 to 2011. <i>International Journal for Equity in Health</i> , 2015, 14, 100.	1.5	8
30	An Analysis of Goal Orientation Pattern and Self-Efficacy for Explanation of Programming Plans. , 2015, , .		1
31	Design of an NGS MicroRNA predictor using multilayer hierarchical MapReduce framework. , 2015, , .		1
32	Negotiation based adaptive learning sequences: Combining adaptivity and adaptability. <i>Computers and Education</i> , 2015, 88, 215-226.	5.1	32
33	Pre-Emergency-Department Care-Seeking Patterns Are Associated with the Severity of Presenting Condition for Emergency Department Visit and Subsequent Adverse Events: A Timeframe Episode Analysis. <i>PLoS ONE</i> , 2015, 10, e0127793.	1.1	4
34	Analysis of modifier structure for emotion expressions. , 2014, , .		0
35	Genetic expression programming: a new approach for QoS traffic prediction in EPONs. <i>Photonic Network Communications</i> , 2013, 25, 156-165.	1.4	9
36	Auction-Based Bandwidth Allocation in Multi-Hop Wireless Ad Hoc Networks. <i>Wireless Personal Communications</i> , 2013, 71, 929-945.	1.8	3

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37	Scalable Architecture for VOD Service Enhancement Based on a Cache Scheme in an Ethernet Passive Optical Network. Journal of Optical Communications and Networking, 2013, 5, 271.	3.3	28
38	An Operational Concept Map to Facilitate Physics Problem Solving. , 2013, , .		0
39	A framework of fuzzy constraint-directed agent negotiation with learning element. , 2012, , .		0
40	Supporting Adaptive Learning Sequences with Agent Negotiation. , 2012, , .		1
41	Generic QoS-Aware Interleaved Dynamic Bandwidth Allocation in Scalable EPONs. Journal of Optical Communications and Networking, 2012, 4, 99.	3.3	32
42	Learning through Agent Negotiation: A Conceptual Framework. , 2012, , .		0
43	Enrichment of Peer Assessment with Agent Negotiation. IEEE Transactions on Learning Technologies, 2011, 4, 35-46.	2.2	33
44	A Multi-hop Dynamic Connectivity and Maintenance Algorithm for Wireless Sensor Networks. , 2011, , .		2
45	Multi-hop Auction-Based Bandwidth Allocation in Wireless Ad Hoc Networks. , 2011, , .		4
46	Learning opponent's beliefs via fuzzy constraint-directed approach to make effective agent negotiation. Applied Intelligence, 2010, 33, 232-246.	3.3	18
47	Density Control-Based Algorithms for Dynamic Maintenance in Sensor Networks with Limited Mobility. , 2010, , .		0
48	A Conceptual Framework of Learning through Agent Negotiation. , 2010, , .		2
49	Reduced Idle Listening Based Medium Access Control Protocol for Wireless Sensor Networks. , 2010, , .		3
50	Development of Business Game Simulator for Supporting Collaborative Problem-Based Learning. , 2009, , .		3
51	Incorporating Agent Negotiation into Adaptive Learning Environment to Balance the Perspectives between Learners and Instructors. , 2009, , .		0
52	Modeling Collaborative Design via Fuzzy Constraint-Based Agent Negotiation. , 2009, , .		0
53	Constraint-directed business simulation for supporting game-based problem-based learning. , 2009, , .		2
54	Modeling Beer Game as Role-Play Collaborative Learning via Fuzzy Constraint-Directed Agent Negotiation. , 2008, , .		3

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55	Adaptive QoS-Aware Resource Management in Heterogeneous Wireless Networks. , 2008, , .		2
56	Developing a Negotiation-Based Intelligent Tutoring System to Support Problem Solving: A Case Study in Role-Play Learning. , 2008, , .		3
57	An Integrated ISV Call Management Strategy in Heterogeneous Wireless Networks. , 2008, , .		2
58	Beliefs learning in fuzzy constraint-directed agent negotiation. , 2008, , .		0
59	Fuzzy constraint-directed negotiation mechanism as a framework for multi-agent scheduling. , 2008, , .		1
60	A constraint-based framework for incorporating a priori knowledge into fuzzy modelling. , 2008, , .		1
61	Momentum-Based Motion Detection Methodology for Handoff in Wireless Networks. , 2008, , .		5
62	Effect of Learning Styles on Peer Assessment in an Agent-based Collaborative Learning Environment. , 2007, , .		1
63	Modeling Distributed Scheduling via Fuzzy Constraint-Based Agent Negotiation. , 2007, , .		0
64	A Fuzzy Constraint-Directed Autonomous Learning to Support Agent Negotiation. , 2007, , .		2
65	Developing a Negotiation Mechanism for Agent-Based Scheduling Via Fuzzy Constraints. Lecture Notes in Computer Science, 2007, , 682-692.	1.0	0
66	Modeling Opponent's Beliefs Via Fuzzy Constraint-Directed Approach in Agent Negotiation. , 2007, , 167-178.		1
67	Constraint-Based Fuzzy Models for an Environment with Heterogeneous Information-Granules. Journal of Computer Science and Technology, 2006, 21, 401-411.	0.9	2
68	A hybrid system by evolving case-based reasoning with genetic algorithm in wholesaler's returning book forecasting. Decision Support Systems, 2006, 42, 1715-1729.	3.5	52
69	Fuzzy Constraint-Based Agent Negotiation. Journal of Computer Science and Technology, 2005, 20, 319-330.	0.9	14
70	Modeling Agent Negotiation Via Fuzzy Constraints in E-Business. Computational Intelligence, 2004, 20, 624-642.	2.1	52