Kin Fun Li

List of Publications by Year
in descending order

70 papers	556 citations	1478505 6 h-index	1125743 13 g-index
71 all docs	71 docs citations	71 times ranked	400 citing authors

#	Article	IF	Citations
1	Detecting Misleading Information on COVID-19. IEEE Access, 2020, 8, 165201-165215.	4.2	100
2	Smart home technology for telemedicine and emergency management. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 535-546.	4.9	62
3	A Web-Based Sign Language Translator Using 3D Video Processing. , 2011, , .		36
4	Predicting Student Academic Performance. , 2013, , .		25
5	Consumers' Sentiment Analysis of Popular Phone Brands and Operating System Preference Using Twitter Data: A Feasibility Study. , 2015, , .		23
6	Parallel Computation of Similarity Measures Using an FPGA-Based Processor Array. , 2008, , .		21
7	FPGA-Based Reconfigurable Hardware for Compute Intensive Data Mining Applications. , 2011, , .		21
8	Big Data Analytics for Classification of Network Enabled Devices. , 2016, , .		18
9	An Adaptive Personalized Recommender Based on Web-Browsing Behavior Learning. , 2009, , .		16
10	An Adaptive e-Learning Recommender Based on User's Web-Browsing Behavior. , 2010, , .		15
11	Analysis and Comparison of FPGA-Based Histogram of Oriented Gradients Implementations. IEEE Access, 2020, 8, 79920-79934.	4.2	15
12	Academic Performance Predictors. , 2015, , .		13
13	On-Chip Hardware Support for Similarity Measures. , 2007, , .		12
14	Analysis of single-chip hardware support for mobile and embedded applications. , 2013, , .		11
15	Real-Time Motion Capture: An Overview. , 2016, , .		11
16	A Performance Comparison and Enhancement of Animal Species Detection in Images with Various R-CNN Models. AI, 2021, 2, 552-577.	3.8	11
17	Hardware acceleration for similarity computations of feature vectors. Canadian Journal of Electrical and Computer Engineering, 2008, 33, 21-30.	2.0	10
18	The Rational for Developing Larger-scale 1000+ Machine Emulation-Based Research Test Beds. , 2009, , .		9

#	Article	IF	Citations
19	An Investigation of Chip-Level Hardware Support for Web Mining. , 2007, , .		7
20	The Design of a Web-Based Multimedia Sport Instructional System. , 2011, , .		7
21	Real-time FPGA-based implementation of the AKAZE algorithm with nonlinear scale space generation using image partitioning. Journal of Real-Time Image Processing, 2021, 18, 2123-2134.	3.5	7
22	Embedded hardware solution for principal component analysis. , 2011, , .		6
23	Real-Time Classification of Sports Movement Using Adaptive Clustering. , 2012, , .		6
24	Classifying Sports Gesture Using Event-Based Matching in a Multimedia E-learning System. , 2012, , .		5
25	Telerehabilitation Using Low-Cost Video Game Controllers. , 2013, , .		5
26	Challenges and Methodologies of Hardware Security. , 2018, , .		5
27	FPGA Implementation of Crossover Module of Genetic Algorithm. Information (Switzerland), 2019, 10, 184.	2.9	5
28	An Area-Efficient FPGA Implementation of a Real-Time Multi-Class Classifier for Binary Images. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2306-2310.	3.0	5
29	Trading off logging overhead and coordinating overhead to achieve efficient rollback recovery. Concurrency Computation Practice and Experience, 2009, 21, 819-853.	2.2	4
30	Similarity Computation Using Reconfigurable Embedded Hardware. , 2009, , .		4
31	Capstone team design projects in engineering curriculum: Content and management. , 2012, , .		4
32	Collection and Classification of Tennis Swings Using a Virtual Racket. , 2012, , .		4
33	Motion Tracking and Learning in Telerehabilitation Applications. , 2012, , .		4
34	Mining WiFi Data for Business Intelligence. , 2013, , .		4
35	A Personalized Learning System with an AR Augmented Reality Browser for Ecosystem Fieldwork. , 2014, , .		3
36	Teaching engineering design in a four-course sequence. , 2015, , .		3

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37	Hardware Covert Attacks and Countermeasures. , 2016, , .		3
38	A situation refinement model for complex event processing. Knowledge-Based Systems, 2020, 198, 105881.	7.1	3
39	An Adaptive User-Genre-Item Model for Collaborative Filtering. , 2007, , .		2
40	A Coarse-Grained Pessimistic Message Logging Scheme for Improving Rollback Recovery Efficiency. , 2007, , .		2
41	An Inference-based Collaborative Filtering Approach. , 2007, , .		2
42	Internet Business Intelligence. , 2010, , .		2
43	Motion Tracking and Processing for Multimedia Sport E-Learning. , 2011, , .		2
44	An adaptive learning book system based on user's study interest. , 2011, , .		2
45	Consumer Transactions on the Web. , 2014, , .		2
46	A Language-Learning Support System with a Handwriting-Based Communication Interface. , 2014, , .		2
47	Detecting Anomalies in the Data Residing over the Cloud. , 2017, , .		2
48	Data Mining Hardware Acceleration for Object Detection. , 2019, , .		2
49	A Novel Hardwareâ€"Software Co-Design and Implementation of the HOG Algorithm. Sensors, 2020, 20, 5655.	3.8	2
50	Metrics to Evaluate Internet Pricing Schemes. , 2006, , .		1
51	A Study of Chinese Web Characteristics and Their Implications on Web Search. , 2006, , .		1
52	Guest editorial: Special issue on the 2009 IEEE Pacific Rim Conference on Communications, Computers and Signal Processing. Canadian Journal of Electrical and Computer Engineering, 2009, 34, 134-135.	2.0	1
53	A Survey on Home Telemedicine. , 2011, , .		1
54	The Design and Implementation of a Business Intelligence Recommender. , 2011, , .		1

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55	User Preference Profiling Based on Speech Recognition for Personalized Recommendation. , 2012, , .		1
56	Multi-server MMO Middleware: Unlocked. , 2012, , .		1
57	An Exercise Data Logging System for Retrofitting Gym Equipment. , 2014, , .		1
58	Engineering Distributed Intelligence: Issues and Challenges. , 2014, , .		1
59	Special section on support technology and architecture for networked and distributed applications in big data era. Journal of Supercomputing, 2015, 71, 1605-1606.	3.6	1
60	A Fully Pipelined FPGA Architecture for Multiscale BRISK Descriptors With a Novel Hardware-Aware Sampling Pattern. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2022, 30, 826-839.	3.1	1
61	Improving rollback-recovery efficiency by tuning pessimism grain. Tsinghua Science and Technology, 2007, 12, 8-13.	6.1	0
62	A Feasibility Study on Using Low-Cost Gaming Devices for Rehabilitation. , 2013, , .		0
63	Principal Component Analysis in Business Intelligence Applications. , 2013, , .		0
64	Ship detection and property extraction in radar images using hardware. , 2015, , .		0
65	Motion Retrieval Based on Semantic Code and Dynamic Bayesian Network Inference. , 2016, , .		0
66	Optimizing path real-time logic for unified real-time system. Soft Computing, 2017, 21, 3135-3145.	3.6	0
67	Linear Processor Array Architectures for Similarity Distance Computation. , 2019, , .		0
68	Low-Complexity Scalable Architectures for Parallel Computation of Similarity Measures. Scientific Programming, 2019, 2019, 1-11.	0.7	0
69	A Coarse-Grained Pessimistic Message Logging Scheme for Improving Rollback Recovery Efficiency. , 2007, , .		0
70	An Inference-based Collaborative Filtering Approach. , 2007, , .		0