

Kin Fun Li

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	A Performance Comparison and Enhancement of Animal Species Detection in Images with Various R-CNN Models. AI, 2021, 2, 552-577.	3.8	11
5	A Novel Hardware-Software Co-Design and Implementation of the HOG Algorithm. Sensors, 2020, 20, 5655.	3.8	2
6	Detecting Misleading Information on COVID-19. IEEE Access, 2020, 8, 165201-165215.	4.2	100
7	Analysis and Comparison of FPGA-Based Histogram of Oriented Gradients Implementations. IEEE Access, 2020, 8, 79920-79934.	4.2	15
8	A situation refinement model for complex event processing. Knowledge-Based Systems, 2020, 198, 105881.	7.1	3
9	Linear Processor Array Architectures for Similarity Distance Computation. , 2019, , .		0
10	FPGA Implementation of Crossover Module of Genetic Algorithm. Information (Switzerland), 2019, 10, 184.	2.9	5
11	Low-Complexity Scalable Architectures for Parallel Computation of Similarity Measures. Scientific Programming, 2019, 2019, 1-11.	0.7	0
12	Data Mining Hardware Acceleration for Object Detection. , 2019, , .		2
13	Challenges and Methodologies of Hardware Security. , 2018, , .		5
14	Optimizing path real-time logic for unified real-time system. Soft Computing, 2017, 21, 3135-3145.	3.6	0
15	Detecting Anomalies in the Data Residing over the Cloud. , 2017, , .		2
16	Real-Time Motion Capture: An Overview. , 2016, , .		11
17	Motion Retrieval Based on Semantic Code and Dynamic Bayesian Network Inference. , 2016, , .		0
18	Big Data Analytics for Classification of Network Enabled Devices. , 2016, , .		18

#	ARTICLE	IF	CITATIONS
19	Hardware Covert Attacks and Countermeasures. , 2016, , .		3
20	Teaching engineering design in a four-course sequence. , 2015, , .		3
21	Ship detection and property extraction in radar images using hardware. , 2015, , .		0
22	Academic Performance Predictors. , 2015, , .		13
23	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
24	Consumers' Sentiment Analysis of Popular Phone Brands and Operating System Preference Using Twitter Data: A Feasibility Study. , 2015, , .		23
25	An Exercise Data Logging System for Retrofitting Gym Equipment. , 2014, , .		1
26	Engineering Distributed Intelligence: Issues and Challenges. , 2014, , .		1
27	Consumer Transactions on the Web. , 2014, , .		2
28	A Personalized Learning System with an AR Augmented Reality Browser for Ecosystem Fieldwork. , 2014, , .		3
29	A Language-Learning Support System with a Handwriting-Based Communication Interface. , 2014, , .		2
30	Predicting Student Academic Performance. , 2013, , .		25
31	A Feasibility Study on Using Low-Cost Gaming Devices for Rehabilitation. , 2013, , .		0
32	Telerehabilitation Using Low-Cost Video Game Controllers. , 2013, , .		5
33	Principal Component Analysis in Business Intelligence Applications. , 2013, , .		0
34	Smart home technology for telemedicine and emergency management. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 535-546.	4.9	62
35	Mining WiFi Data for Business Intelligence. , 2013, , .		4
36	Analysis of single-chip hardware support for mobile and embedded applications. , 2013, , .		11

#	ARTICLE	IF	CITATIONS
37	Capstone team design projects in engineering curriculum: Content and management. , 2012, , .		4
38	Real-Time Classification of Sports Movement Using Adaptive Clustering. , 2012, , .		6
39	User Preference Profiling Based on Speech Recognition for Personalized Recommendation. , 2012, , .		1
40	Multi-server MMO Middleware: Unlocked. , 2012, , .		1
41	Collection and Classification of Tennis Swings Using a Virtual Racket. , 2012, , .		4
42	Classifying Sports Gesture Using Event-Based Matching in a Multimedia E-learning System. , 2012, , .		5
43	Motion Tracking and Learning in Telerehabilitation Applications. , 2012, , .		4
44	FPGA-Based Reconfigurable Hardware for Compute Intensive Data Mining Applications. , 2011, , .		21
45	A Survey on Home Telemedicine. , 2011, , .		1
46	A Web-Based Sign Language Translator Using 3D Video Processing. , 2011, , .		36
47	Motion Tracking and Processing for Multimedia Sport E-Learning. , 2011, , .		2
48	Embedded hardware solution for principal component analysis. , 2011, , .		6
49	The Design and Implementation of a Business Intelligence Recommender. , 2011, , .		1
50	The Design of a Web-Based Multimedia Sport Instructional System. , 2011, , .		7
51	An adaptive learning book system based on user's study interest. , 2011, , .		2
52	Internet Business Intelligence. , 2010, , .		2
53	An Adaptive e-Learning Recommender Based on User's Web-Browsing Behavior. , 2010, , .		15
54	The Rational for Developing Larger-scale 1000+ Machine Emulation-Based Research Test Beds. , 2009, , .		9

#	ARTICLE	IF	CITATIONS
55	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
56	Trading off logging overhead and coordinating overhead to achieve efficient rollback recovery. Concurrency Computation Practice and Experience, 2009, 21, 819-853.	2.2	4
57	Similarity Computation Using Reconfigurable Embedded Hardware. , 2009, , .		4
58	An Adaptive Personalized Recommender Based on Web-Browsing Behavior Learning. , 2009, , .		16
59	Parallel Computation of Similarity Measures Using an FPGA-Based Processor Array. , 2008, , .		21
60	Hardware acceleration for similarity computations of feature vectors. Canadian Journal of Electrical and Computer Engineering, 2008, 33, 21-30.	2.0	10
61	An Adaptive User-Genre-Item Model for Collaborative Filtering. , 2007, , .		2
62	A Coarse-Grained Pessimistic Message Logging Scheme for Improving Rollback Recovery Efficiency. , 2007, , .		2
63	An Investigation of Chip-Level Hardware Support for Web Mining. , 2007, , .		7
64	An Inference-based Collaborative Filtering Approach. , 2007, , .		2
65	On-Chip Hardware Support for Similarity Measures. , 2007, , .		12
66	Improving rollback-recovery efficiency by tuning pessimism grain. Tsinghua Science and Technology, 2007, 12, 8-13.	6.1	0
67	A Coarse-Grained Pessimistic Message Logging Scheme for Improving Rollback Recovery Efficiency. , 2007, , .		0
68	An Inference-based Collaborative Filtering Approach. , 2007, , .		0
69	Metrics to Evaluate Internet Pricing Schemes. , 2006, , .		1
70	A Study of Chinese Web Characteristics and Their Implications on Web Search. , 2006, , .		1