Keith C C Chan

List of Publications by Year
in descending order

71 papers	1,695 citations	304743 22 h-index	315739 38 g-index
73 all docs	73 docs citations	73 times ranked	1416 citing authors

#	Article	IF	Citations
1	Discovery of Spatio-Temporal Patterns in Multivariate Spatial Time Series. ACM/IMS Transactions on Data Science, 2020, 1, 1-22.	2.0	3
2	Measuring Boundedness for Protein Complex Identification in PPI Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 967-979.	3.0	8
3	Fuzzy Feature Extraction for Multichannel EEG Classification. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 267-279.	3.8	25
4	Mining spatio-temporal patterns in multivariate spatial time series. , 2018, , .		0
5	Clustering driving trip trajectory data based on pattern discovery techniques. , 2018, , .		2
6	Predicting Protein-Protein Interactions from Primary Protein Sequences Using a Novel Multi-Scale Local Feature Representation Scheme and the Random Forest. PLoS ONE, 2015, 10, e0125811.	2.5	136
7	A Feature Extraction Method for Multivariate Time Series Classification Using Temporal Patterns. Lecture Notes in Computer Science, 2015, , 409-421.	1.3	12
8	A density-based clustering approach for identifying overlapping protein complexes with functional preferences. BMC Bioinformatics, 2015, 16, 174.	2.6	24
9	A Model-Based Multivariate Time Series Clustering Algorithm. Lecture Notes in Computer Science, 2014, , 805-817.	1.3	9
10	Neighborhood preserving ordinal regression. , 2012, , .		4
11	Staying-alive path planning with energy optimization for mobile robots. Expert Systems With Applications, 2012, 39, 3559-3571.	7.6	33
12	Discovering Functional Interdependence Relationship in PPI Networks for Protein Complex Identification. IEEE Transactions on Biomedical Engineering, 2012, 59, 899-908.	4.2	12
13	EvoMD: An Algorithm for Evolutionary Molecular Design. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 987-1003.	3.0	13
14	Incremental Fuzzy Mining of Gene Expression Data for Gene Function Prediction. IEEE Transactions on Biomedical Engineering, 2011, 58, 1246-1252.	4.2	16
15	Unsupervised fuzzy pattern discovery in gene expression data. BMC Bioinformatics, 2011, 12, S5.	2.6	4
16	Special issue on selected papers from IEEE DMF 2008. Knowledge and Information Systems, 2010, 24, 339-340.	3.2	0
17	Discovering Interesting Motif-Sets for Multi-Class Protein Sequence Classification. Journal of Computational Biology, 2010, 17, 733-743.	1.6	1
18	A GRAPH-BASED ALGORITHM FOR MINING MULTI-LEVEL PATTERNS IN GENOMIC DATA. Journal of Bioinformatics and Computational Biology, 2010, 08, 789-807.	0.8	2

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19	Discovering Interesting Molecular Substructures for Molecular Classification. IEEE Transactions on Nanobioscience, 2010, 9, 77-89.	3.3	4
20	Tensor Distance Based Multilinear Locality-Preserved Maximum Information Embedding. IEEE Transactions on Neural Networks, 2010, 21, 1848-1854.	4.2	60
21	Efficient Range Query Processing in Peer-to-Peer Systems. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 78-91.	5.7	52
22	Bidirectional visible neighborhood preserving embedding. , 2009, , .		0
23	A Unified Humanâ€“Computer Interaction Requirements Analysis Framework for Complex Socio-technical Systems. International Journal of Human-Computer Interaction, 2009, 26, 1-21.	4.8	4
24	A Novel Approach for Discovering Overlapping Clusters in Gene Expression Data. IEEE Transactions on Biomedical Engineering, 2009, 56, 1803-1809.	4.2	13
25	Dimensionality reduction for heterogeneous dataset in rushes editing. Pattern Recognition, 2009, 42, 229-242.	8.1	15
26	An Iterative Data Mining Approach for Mining Overlapping Coexpression Patterns in Noisy Gene Expression Data. IEEE Transactions on Nanobioscience, 2009, 8, 252-258.	3.3	5
27	Rescuing Troubled Software Projects by Team Transformation: A Case Study With an ERP Project. IEEE Transactions on Engineering Management, 2008, 55, 171-184.	3.5	32
28	Information fusion based smart home control system and its application. IEEE Transactions on Consumer Electronics, 2008, 54, 1157-1165.	3.6	49
29	The Effect of Pairs in Program Design Tasks. IEEE Transactions on Software Engineering, 2008, 34, 197-211.	5.6	33
30	A Graph Mining Algorithm for Classifying Chemical Compounds. , 2008, , .		3
31	Using Data Mining for Dynamic Level Design in Games. , 2008, , 628-637.		3
32	Distributed Sequence Alignment Applications for the Public Computing Architecture. IEEE Transactions on Nanobioscience, 2008, 7, 35-43.	3.3	9
33	Multiple video trajectories representation using double-layer isometric feature mapping. , 2008, , .		2
34	Inferring Gene Regulatory Networks From Expression Data by Discovering Fuzzy Dependency Relationships. IEEE Transactions on Fuzzy Systems, 2008, 16, 455-465.	9.8	14
35	Topology Aware Task Allocation and Scheduling for Real-Time Data Fusion Applications in Networked Embedded Sensor Systems. , 2008, , .		4
36	Dimensionality Reduction for Descriptor Generation in Rushes Editing. , 2008, , .		0

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37	Analyzing web layout structures using graph mining. , 2008, , .		2
38	A High-Throughput MAC Protocol for Wireless Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2008, 7, 135-145.	9.2	29
39	An Effective Data Mining Technique for the Multi-Class Protein Sequence Classification. , 2008, , .		0
40	Mining Fuzzy Association Patterns in Gene Expression Data for Gene Function Prediction. , 2008, , .		0
41	UPSEC: An Algorithm for Classifying Unaligned Protein Sequences into Functional Families. Journal of Computational Biology, 2008, 15, 431-443.	1.6	12
42	Discovering High-Order Patterns of Gene Expression Levels. Journal of Computational Biology, 2008, 15, 625-637.	1.6	7
43	TopEVM: Using Co-occurrence and Topology Patterns of Enzymes in Metabolic Networks to Construct Phylogenetic Trees. Lecture Notes in Computer Science, 2008, , 225-236.	1.3	5
44	Mining Gene Expression Patterns for the Discovery of Overlapping Clusters. , 2008, , 117-128.		0
45	AN EFFECTIVE DATA MINING TECHNIQUE FOR RECONSTRUCTING GENE REGULATORY NETWORKS FROM TIME SERIES EXPRESSION DATA. Journal of Bioinformatics and Computational Biology, 2007, 05, 651-668.	0.8	12
46	An Energy-Efficient Framework for Multirate Query in Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	1
47	MAGMA: An Algorithm for Mining Multi-level Patterns in Genomic Data. , 2007, , .		2
48	A Fuzzy Data Mining Technique for the Reconstruction of Gene Regulatory Networks from Time Series Expression Data. , 2006, , .		1
49	An evolutionary clustering algorithm for gene expression microarray data analysis. IEEE Transactions on Evolutionary Computation, 2006, 10, 296-314.	10.0	87
50	A fuzzy approach to partitioning continuous attributes for classification. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 715-719.	5.7	47
51	A new fuzzy approach to improve fashion product development. Computers in Industry, 2006, 57, 82-92.	9.9	42
52	A Proxy-based Mobile Group Membership Protocol for Large Scale and Highly Dynamic Groups. , 2006, , .		2
53	A Road Map for Implementing eXtreme Programming. Lecture Notes in Computer Science, 2006, , 474-481.	1.3	11
54	Software Process Fusion: Uniting Pair Programming and Solo Programming Processes. Lecture Notes in Computer Science, 2006, , 115-123.	1.3	1

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55	Mining changes in association rules: a fuzzy approach. Fuzzy Sets and Systems, 2005, 149, 87-104.	2.7	54
56	A novel secure multicast scheme in mobile Internet. Central South University, 2005, 12, 720-725.	0.5	1
57	A protocol for partitionable group membership service in mobile Internet. Wireless Communications and Mobile Computing, 2005, 5, 773-792.	1.2	1
58	CLUSTERING AND RE-CLUSTERING FOR PATTERN DISCOVERY IN GENE EXPRESSION DATA. Journal of Bioinformatics and Computational Biology, 2005, 03, 281-301.	0.8	9
59	Attribute Clustering for Grouping, Selection, and Classification of Gene Expression Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2005, 2, 83-101.	3.0	159
60	Evolutionary Discovery of Fuzzy Concepts in Data. Brain and Mind, 2003, 4, 253-268.	0.6	2
61	Mining fuzzy association rules in a bank-account database. IEEE Transactions on Fuzzy Systems, 2003, 11, 238-248.	9.8	72
62	<title>Evolutionary approach for discovering changing patterns in historical data</title>. , 2002, 4730, 398.		4
63	Fuzzy operator allocation for balance control of assembly lines in apparel manufacturing. IEEE Transactions on Engineering Management, 2002, 49, 173-180.	3.5	26
64	Integrating Process and Project Management for Multi-Site Software Development. Annals of Software Engineering, 2002, 14, 115-143.	0.5	8
65	Mining Fuzzy Association Rules in a Database Containing Relational and Transactional Data. Studies in Fuzziness and Soft Computing, 2001, , 95-114.	0.8	9
66	<title>Effect of interferometric noise in fiber Bragg grating sensors using tunable laser sources</title>. , 1998, 3330, 272.		0
67	Radar tracking for air surveillance in a stressful environment using a fuzzy-gain filter. IEEE Transactions on Fuzzy Systems, 1997, 5, 80-89.	9.8	40
68	Mining fuzzy association rules. , 1997, , .		136
69	Generating fuzzy rules for target tracking using a steady-state genetic algorithm. IEEE Transactions on Evolutionary Computation, 1997, 1, 189-200.	10.0	26
70	Class-dependent discretization for inductive learning from continuous and mixed-mode data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1995, 17, 641-651.	13.9	196
71	APACS: a system for the automatic analysis and classification of conceptual patterns. Computational Intelligence, 1990, 6, 119-131.	3.2	50