

Keith C C Chan

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Mining fuzzy association rules. , 1997, , .		136
4	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
5	An evolutionary clustering algorithm for gene expression microarray data analysis. IEEE Transactions on Evolutionary Computation, 2006, 10, 296-314.	10.0	87
6	Mining fuzzy association rules in a bank-account database. IEEE Transactions on Fuzzy Systems, 2003, 11, 238-248.	9.8	72
7	Tensor Distance Based Multilinear Locality-Preserved Maximum Information Embedding. IEEE Transactions on Neural Networks, 2010, 21, 1848-1854.	4.2	60
8	Mining changes in association rules: a fuzzy approach. Fuzzy Sets and Systems, 2005, 149, 87-104.	2.7	54
9	Efficient Range Query Processing in Peer-to-Peer Systems. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 78-91.	5.7	52
10	APACS: a system for the automatic analysis and classification of conceptual patterns. Computational Intelligence, 1990, 6, 119-131.	3.2	50
11	Information fusion based smart home control system and its application. IEEE Transactions on Consumer Electronics, 2008, 54, 1157-1165.	3.6	49
12	A fuzzy approach to partitioning continuous attributes for classification. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 715-719.	5.7	47
13	A new fuzzy approach to improve fashion product development. Computers in Industry, 2006, 57, 82-92.	9.9	42
14	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
15	The Effect of Pairs in Program Design Tasks. IEEE Transactions on Software Engineering, 2008, 34, 197-211.	5.6	33
16	Staying-alive path planning with energy optimization for mobile robots. Expert Systems With Applications, 2012, 39, 3559-3571.	7.6	33
17	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
18	A High-Throughput MAC Protocol for Wireless Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2008, 7, 135-145.	9.2	29

#	ARTICLE	IF	CITATIONS
19	Generating fuzzy rules for target tracking using a steady-state genetic algorithm. IEEE Transactions on Evolutionary Computation, 1997, 1, 189-200.	10.0	26
20	Fuzzy operator allocation for balance control of assembly lines in apparel manufacturing. IEEE Transactions on Engineering Management, 2002, 49, 173-180.	3.5	26
21	Fuzzy Feature Extraction for Multichannel EEG Classification. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 267-279.	3.8	25
22	A density-based clustering approach for identifying overlapping protein complexes with functional preferences. BMC Bioinformatics, 2015, 16, 174.	2.6	24
23	Incremental Fuzzy Mining of Gene Expression Data for Gene Function Prediction. IEEE Transactions on Biomedical Engineering, 2011, 58, 1246-1252.	4.2	16
24	Dimensionality reduction for heterogeneous dataset in rushes editing. Pattern Recognition, 2009, 42, 229-242.	8.1	15
25	Inferring Gene Regulatory Networks From Expression Data by Discovering Fuzzy Dependency Relationships. IEEE Transactions on Fuzzy Systems, 2008, 16, 455-465.	9.8	14
26	A Novel Approach for Discovering Overlapping Clusters in Gene Expression Data. IEEE Transactions on Biomedical Engineering, 2009, 56, 1803-1809.	4.2	13
27	EvoMD: An Algorithm for Evolutionary Molecular Design. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 987-1003.	3.0	13
28	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
29	UPSEC: An Algorithm for Classifying Unaligned Protein Sequences into Functional Families. Journal of Computational Biology, 2008, 15, 431-443.	1.6	12
30	Discovering Functional Interdependence Relationship in PPI Networks for Protein Complex Identification. IEEE Transactions on Biomedical Engineering, 2012, 59, 899-908.	4.2	12
31	A Feature Extraction Method for Multivariate Time Series Classification Using Temporal Patterns. Lecture Notes in Computer Science, 2015, , 409-421.	1.3	12
32	A Road Map for Implementing eXtreme Programming. Lecture Notes in Computer Science, 2006, , 474-481.	1.3	11
33	CLUSTERING AND RE-CLUSTERING FOR PATTERN DISCOVERY IN GENE EXPRESSION DATA. Journal of Bioinformatics and Computational Biology, 2005, 03, 281-301.	0.8	9
34	Distributed Sequence Alignment Applications for the Public Computing Architecture. IEEE Transactions on Nanobioscience, 2008, 7, 35-43.	3.3	9
35	A Model-Based Multivariate Time Series Clustering Algorithm. Lecture Notes in Computer Science, 2014, , 805-817.	1.3	9
36	Mining Fuzzy Association Rules in a Database Containing Relational and Transactional Data. Studies in Fuzziness and Soft Computing, 2001, , 95-114.	0.8	9

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37	Integrating Process and Project Management for Multi-Site Software Development. <i>Annals of Software Engineering</i> , 2002, 14, 115-143.	0.5	8
38	Measuring Boundedness for Protein Complex Identification in PPI Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 967-979.	3.0	8
39	Discovering High-Order Patterns of Gene Expression Levels. <i>Journal of Computational Biology</i> , 2008, 15, 625-637.	1.6	7
40	An Iterative Data Mining Approach for Mining Overlapping Coexpression Patterns in Noisy Gene Expression Data. <i>IEEE Transactions on Nanobioscience</i> , 2009, 8, 252-258.	3.3	5
41	TopEVM: Using Co-occurrence and Topology Patterns of Enzymes in Metabolic Networks to Construct Phylogenetic Trees. <i>Lecture Notes in Computer Science</i> , 2008, , 225-236.	1.3	5
42	<title>Evolutionary approach for discovering changing patterns in historical data</title>. , 2002, 4730, 398.		4
43	Topology Aware Task Allocation and Scheduling for Real-Time Data Fusion Applications in Networked Embedded Sensor Systems. , 2008, , .		4
44	A Unified Human-Computer Interaction Requirements Analysis Framework for Complex Socio-technical Systems. <i>International Journal of Human-Computer Interaction</i> , 2009, 26, 1-21.	4.8	4
45	Discovering Interesting Molecular Substructures for Molecular Classification. <i>IEEE Transactions on Nanobioscience</i> , 2010, 9, 77-89.	3.3	4
46	Unsupervised fuzzy pattern discovery in gene expression data. <i>BMC Bioinformatics</i> , 2011, 12, S5.	2.6	4
47	Neighborhood preserving ordinal regression. , 2012, , .		4
48	A Graph Mining Algorithm for Classifying Chemical Compounds. , 2008, , .		3
49	Using Data Mining for Dynamic Level Design in Games. , 2008, , 628-637.		3
50	Discovery of Spatio-Temporal Patterns in Multivariate Spatial Time Series. <i>ACM/IMS Transactions on Data Science</i> , 2020, 1, 1-22.	2.0	3
51	Evolutionary Discovery of Fuzzy Concepts in Data. <i>Brain and Mind</i> , 2003, 4, 253-268.	0.6	2
52	A Proxy-based Mobile Group Membership Protocol for Large Scale and Highly Dynamic Groups. , 2006, , .		2
53	MAGMA: An Algorithm for Mining Multi-level Patterns in Genomic Data. , 2007, , .		2
54	Multiple video trajectories representation using double-layer isometric feature mapping. , 2008, , .		2

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55	Analyzing web layout structures using graph mining. , 2008, , .		2
56	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
57	Clustering driving trip trajectory data based on pattern discovery techniques. , 2018, , .		2
58	A novel secure multicast scheme in mobile Internet. Central South University, 2005, 12, 720-725.	0.5	1
59	A protocol for partitionable group membership service in mobile Internet. Wireless Communications and Mobile Computing, 2005, 5, 773-792.	1.2	1
60	A Fuzzy Data Mining Technique for the Reconstruction of Gene Regulatory Networks from Time Series Expression Data. , 2006, , .		1
61	An Energy-Efficient Framework for Multirate Query in Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	1
62	Discovering Interesting Motif-Sets for Multi-Class Protein Sequence Classification. Journal of Computational Biology, 2010, 17, 733-743.	1.6	1
63	Software Process Fusion: Uniting Pair Programming and Solo Programming Processes. Lecture Notes in Computer Science, 2006, , 115-123.	1.3	1
64	<title>Effect of interferometric noise in fiber Bragg grating sensors using tunable laser sources</title>. , 1998, 3330, 272.		0
65	Dimensionality Reduction for Descriptor Generation in Rushes Editing. , 2008, , .		0
66	An Effective Data Mining Technique for the Multi-Class Protein Sequence Classification. , 2008, , .		0
67	Mining Fuzzy Association Patterns in Gene Expression Data for Gene Function Prediction. , 2008, , .		0
68	Bidirectional visible neighborhood preserving embedding. , 2009, , .		0
69	Special issue on selected papers from IEEE DMF 2008. Knowledge and Information Systems, 2010, 24, 339-340.	3.2	0
70	Mining spatio-temporal patterns in multivariate spatial time series. , 2018, , .		0
71	Mining Gene Expression Patterns for the Discovery of Overlapping Clusters. , 2008, , 117-128.		0