

# Chan Keith

## List of Publications by Year in descending order

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125  
papers

2,466  
citations

186265

28  
h-index

243625

44  
g-index

127  
all docs

127  
docs citations

127  
times ranked

2211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Representation of Molecules in Association Network for Predicting Intermolecular Associations. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2546-2554.	3.0	20
2	Contextual Correlation Preserving Multiview Featured Graph Clustering. IEEE Transactions on Cybernetics, 2020, 50, 4318-4331.	9.5	37
3	Measuring Boundedness for Protein Complex Identification in PPI Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 967-979.	3.0	8
4	Discovering Fuzzy Structural Patterns for Graph Analytics. IEEE Transactions on Fuzzy Systems, 2018, 26, 2785-2796.	9.8	31
5	Corporate Communication Network and Stock Price Movements: Insights From Data Mining. IEEE Transactions on Computational Social Systems, 2018, 5, 391-402.	4.4	16
6	Evolutionary Graph Clustering for Protein Complex Identification. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 892-904.	3.0	23
7	MISAGA: An Algorithm for Mining Interesting Subgraphs in Attributed Graphs. IEEE Transactions on Cybernetics, 2018, 48, 1369-1382.	9.5	32
8	Fuzzy Feature Extraction for Multichannel EEG Classification. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 267-279.	3.8	25
9	Clustering in Networks with Multi-Modality Attributes. , 2018, , .		5
10	Learning Latent Factors in Linked Multi-modality Data. Lecture Notes in Computer Science, 2018, , 214-224.	1.3	1
11	Learning Latent Factors for Community Identification and Summarization. IEEE Access, 2018, 6, 30137-30148.	4.2	17
12	Extracting Coevolutionary Features from Protein Sequences for Predicting Protein-Protein Interactions. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 155-166.	3.0	33
13	An improved sequence-based prediction protocol for protein-protein interactions using amino acids substitution matrix and rotation forest ensemble classifiers. Neurocomputing, 2017, 228, 277-282.	5.9	54
14	Discovering public sentiment in social media for predicting stock movement of publicly listed companies. Information Systems, 2017, 69, 81-92.	3.6	70
15	Efficiently predicting large-scale protein-protein interactions using MapReduce. Computational Biology and Chemistry, 2017, 69, 202-206.	2.3	13
16	Composition of Resource-Service Chain for Cloud Manufacturing. IEEE Transactions on Industrial Informatics, 2016, 12, 211-219.	11.3	52
17	FMLNCSIM: fuzzy measure-based lncRNA functional similarity calculation model. Oncotarget, 2016, 7, 45948-45958.	1.8	103
18	An effective approach to identify gene-gene interactions for complex quantitative traits using generalized fuzzy accuracy. , 2016, , .		2

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19	Large-scale prediction of drug-target interactions from deep representations. , 2016, , .		42
20	Fuzzy Clustering in a Complex Network Based on Content Relevance and Link Structures. IEEE Transactions on Fuzzy Systems, 2016, 24, 456-470.	9.8	70
21	ILNCSIM: improved lncRNA functional similarity calculation model. Oncotarget, 2016, 7, 25902-25914.	1.8	122
22	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
23	A Feature Extraction Method for Multivariate Time Series Classification Using Temporal Patterns. Lecture Notes in Computer Science, 2015, , 409-421.	1.3	12
24	An unsupervised attribute clustering algorithm for unsupervised feature selection. , 2015, , .		3
25	A new information-theoretic approach to detect gene-gene interactions in case-control studies. , 2015, , .		0
26	Discovering Variable-Length Patterns in Protein Sequences for Protein-Protein Interaction Prediction. IEEE Transactions on Nanobioscience, 2015, 14, 409-416.	3.3	24
27	What Strikes the Strings of Your Heart?â€“Multi-Label Dimensionality Reduction for Music Emotion Analysis via Brain Imaging. IEEE Transactions on Autonomous Mental Development, 2015, 7, 176-188.	1.6	15
28	A density-based clustering approach for identifying overlapping protein complexes with functional preferences. BMC Bioinformatics, 2015, 16, 174.	2.6	24
29	A Fuzzy Logic Approach for Opinion Mining on Large Scale Twitter Data. , 2014, , .		24
30	A Paralleled Big Data Algorithm with MapReduce Framework for Mining Twitter Data. , 2014, , .		0
31	Public Sentiment Analysis in Twitter Data for Prediction of a Company's Stock Price Movements. , 2014, , .		63
32	Hybrid Manifold Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2295-2302.	11.3	21
33	A fast big data collection system using MapReduce framework. , 2014, , .		4
34	A Model-Based Multivariate Time Series Clustering Algorithm. Lecture Notes in Computer Science, 2014, , 805-817.	1.3	9
35	Evolutionary community detection in social networks. , 2014, , .		16
36	Using Aligned Ontology Model to Convert Cultural Heritage Resources into Semantic Web. , 2014, , .		4

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37	Developing a competitive edge in electronic markets via institutional and social based quality signaling mechanisms. Information and Management, 2014, 51, 532-540.	6.5	28
38	Utilizing Both Topological and Attribute Information for Protein Complex Identification in PPI Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 780-792.	3.0	44
39	A disk based stream oriented approach for storing big data. , 2013, , .		5
40	Adapting CakeDB to Integrate High-Pressure Big Data Streams with Low-Pressure Systems. , 2013, , .		0
41	Neighborhood preserving ordinal regression. , 2012, , .		4
42	Trusted Virtual Infrastructure Bootstrapping for On Demand Services. , 2012, , .		13
43	Staying-alive path planning with energy optimization for mobile robots. Expert Systems With Applications, 2012, 39, 3559-3571.	7.6	33
44	Tensor distance based multilinear globality preserving embedding: A unified tensor based dimensionality reduction framework for image and video classification. Expert Systems With Applications, 2012, 39, 10500-10511.	7.6	14
45	Discovering Functional Interdependence Relationship in PPI Networks for Protein Complex Identification. IEEE Transactions on Biomedical Engineering, 2012, 59, 899-908.	4.2	12
46	Discovering Drug-Protein Interactions Based on their Fingerprints. , 2011, , .		2
47	EvoMD: An Algorithm for Evolutionary Molecular Design. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 987-1003.	3.0	13
48	Incremental Fuzzy Mining of Gene Expression Data for Gene Function Prediction. IEEE Transactions on Biomedical Engineering, 2011, 58, 1246-1252.	4.2	16
49	Tensor-based locally maximum margin classifier for image and video classification. Computer Vision and Image Understanding, 2011, 115, 300-309.	4.7	11
50	Unsupervised fuzzy pattern discovery in gene expression data. BMC Bioinformatics, 2011, 12, S5.	2.6	4
51	Semi-supervised manifold ordinal regression for image ranking. , 2011, , .		22
52	An Optimal Algorithm towards Successive Location Privacy in Sensor Networks with Dynamic Programming. IEICE Transactions on Information and Systems, 2010, E93-D, 531-533.	0.7	3
53	Special issue on selected papers from IEEE DMF 2008. Knowledge and Information Systems, 2010, 24, 339-340.	3.2	0
54	Nonlinear dimensionality reduction with hybrid distance for trajectory representation of dynamic texture. Signal Processing, 2010, 90, 2375-2395.	3.7	6

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55	Discovering Interesting Motif-Sets for Multi-Class Protein Sequence Classification. Journal of Computational Biology, 2010, 17, 733-743.	1.6	1
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	Supervised manifold learning for image and video classification. , 2010, , .		4
58	Pattern discovery for large mixed-mode database. , 2010, , .		7
59	Discovering Interesting Molecular Substructures for Molecular Classification. IEEE Transactions on Nanobioscience, 2010, 9, 77-89.	3.3	4
60	Tensor Distance Based Multilinear Locality-Preserved Maximum Information Embedding. IEEE Transactions on Neural Networks, 2010, 21, 1848-1854.	4.2	60
61	Pair Programming: Issues and Challenges. , 2010, , 143-163.		3
62	Efficient Range Query Processing in Peer-to-Peer Systems. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 78-91.	5.7	52
63	Bidirectional visible neighborhood preserving embedding. , 2009, , .		0
64	A Unified Human-Computer Interaction Requirements Analysis Framework for Complex Socio-technical Systems. International Journal of Human-Computer Interaction, 2009, 26, 1-21.	4.8	4
65	A Novel Approach for Discovering Overlapping Clusters in Gene Expression Data. IEEE Transactions on Biomedical Engineering, 2009, 56, 1803-1809.	4.2	13
66	Dimensionality reduction for heterogeneous dataset in rushes editing. Pattern Recognition, 2009, 42, 229-242.	8.1	15
67	EvoArch: An evolutionary algorithm for architectural layout design. CAD Computer Aided Design, 2009, 41, 649-667.	2.7	32
68	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
69	Multilinear Isometric Embedding for visual pattern analysis. , 2009, , .		3
70	Guest Editorial: Introduction to the Special Issue on Machine Learning for Microarray Bioinformatics. Journal of Signal Processing Systems, 2008, 50, 263-265.	2.1	0
71	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
72	Information fusion based smart home control system and its application. IEEE Transactions on Consumer Electronics, 2008, 54, 1157-1165.	3.6	49

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73	The Effect of Pairs in Program Design Tasks. IEEE Transactions on Software Engineering, 2008, 34, 197-211.	5.6	33
74	A Graph Mining Algorithm for Classifying Chemical Compounds. , 2008, , .		3
75	Using Data Mining for Dynamic Level Design in Games. , 2008, , 628-637.		3
76	Distributed Sequence Alignment Applications for the Public Computing Architecture. IEEE Transactions on Nanobioscience, 2008, 7, 35-43.	3.3	9
77	Multiple video trajectories representation using double-layer isometric feature mapping. , 2008, , .		2
78	Software Process Fusion: Exploring process relationships. , 2008, , .		0
79	Inferring Gene Regulatory Networks From Expression Data by Discovering Fuzzy Dependency Relationships. IEEE Transactions on Fuzzy Systems, 2008, 16, 455-465.	9.8	14
80	Topology Aware Task Allocation and Scheduling for Real-Time Data Fusion Applications in Networked Embedded Sensor Systems. , 2008, , .		4
81	Dimensionality Reduction for Descriptor Generation in Rushes Editing. , 2008, , .		0
82	Analyzing web layout structures using graph mining. , 2008, , .		2
83	A High-Throughput MAC Protocol for Wireless Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2008, 7, 135-145.	9.2	29
84	An Effective Data Mining Technique for the Multi-Class Protein Sequence Classification. , 2008, , .		0
85	Mining Fuzzy Association Patterns in Gene Expression Data for Gene Function Prediction. , 2008, , .		0
86	Towards Successive Privacy Protection in Sensor Networks. , 2008, , .		2
87	UPSEC: An Algorithm for Classifying Unaligned Protein Sequences into Functional Families. Journal of Computational Biology, 2008, 15, 431-443.	1.6	12
88	Discovering High-Order Patterns of Gene Expression Levels. Journal of Computational Biology, 2008, 15, 625-637.	1.6	7
89	An effective evolutionary algorithm for discrete-valued data clustering. , 2008, , .		0
90	Topology-Aware Energy Efficient Task Assignment for Collaborative In-Network Processing in Distributed Sensor Systems. International Federation for Information Processing, 2008, , 201-211.	0.4	6

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91	Rushes video summarization using audio-visual information and sequence alignment. , 2008, , .		9
92	Mining Gene Expression Patterns for the Discovery of Overlapping Clusters. , 2008, , 117-128.		0
93	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
94	An Energy-Efficient Framework for Multirate Query in Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	1
95	Application of artificial neural networks to the prediction of sewing performance of fabrics. International Journal of Clothing Science and Technology, 2007, 19, 291-318.	1.1	39
96	A Fault-Tolerant Group Communication Protocol in Large Scale and Highly Dynamic Mobile Next-Generation Networks. IEEE Transactions on Computers, 2007, 56, 80-94.	3.4	1
97	MAGMA: An Algorithm for Mining Multi-level Patterns in Genomic Data. , 2007, , .		2
98	Correction to "Attribute Clustering for Grouping, Selection, and Classification of Gene Expression Data". IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 157-157.	3.0	3
99	Programming Task Demands. , 2006, , .		1
100	A Fuzzy Data Mining Technique for the Reconstruction of Gene Regulatory Networks from Time Series Expression Data. , 2006, , .		1
101	A self-organizable topology maintenance protocol for mobile group communications in mobile next-generation networks. Computer Communications, 2006, 29, 1730-1743.	5.1	0
102	Pair programming productivity: Noviceâ€œnovice vs. expertâ€œexpert. International Journal of Human Computer Studies, 2006, 64, 915-925.	5.6	89
103	Hardware/software optimization for array & pointer boundary checking against buffer overflow attacks. Journal of Parallel and Distributed Computing, 2006, 66, 1129-1136.	4.1	5
104	A new fuzzy approach to improve fashion product development. Computers in Industry, 2006, 57, 82-92.	9.9	42
105	An Effective Data Mining Technique for Classifying Unaligned Protein Sequences into Functional Families. , 2006, , .		0
106	A Proxy-based Mobile Group Membership Protocol for Large Scale and Highly Dynamic Groups. , 2006, , .		2
107	A Road Map for Implementing eXtreme Programming. Lecture Notes in Computer Science, 2006, , 474-481.	1.3	11
108	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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109	Mining changes in association rules: a fuzzy approach. <i>Fuzzy Sets and Systems</i> , 2005, 149, 87-104.	2.7	54
110	A novel secure multicast scheme in mobile Internet. <i>Central South University</i> , 2005, 12, 720-725.	0.5	1
111	A protocol for partitionable group membership service in mobile Internet. <i>Wireless Communications and Mobile Computing</i> , 2005, 5, 773-792.	1.2	1
112	Capability Maturity Model and SAP. <i>International Journal of Enterprise Information Systems</i> , 2005, 1, 69-95.	1.0	8
113	A novel group communication protocol using the RingNet hierarchy in mobile Internet. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2005, 20, 253-280.	1.0	0
114	CLUSTERING AND RE-CLUSTERING FOR PATTERN DISCOVERY IN GENE EXPRESSION DATA. <i>Journal of Bioinformatics and Computational Biology</i> , 2005, 03, 281-301.	0.8	9
115	Attribute Clustering for Grouping, Selection, and Classification of Gene Expression Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2005, 2, 83-101.	3.0	159
116	Evolutionary Discovery of Fuzzy Concepts in Data. <i>Brain and Mind</i> , 2003, 4, 253-268.	0.6	2
117	<title>Evolutionary approach for discovering changing patterns in historical data</title>. , 2002, 4730, 398.		4
118	Integrating Process and Project Management for Multi-Site Software Development. <i>Annals of Software Engineering</i> , 2002, 14, 115-143.	0.5	8
119	Costs and benefits of ISO 9000 series: a practical study. <i>International Journal of Quality and Reliability Management</i> , 1999, 16, 675-691.	2.0	82
120	Software tools for ISO 9000 certification. <i>Managerial Auditing Journal</i> , 1999, 14, 51-57.	3.0	2
121	<title>Effect of interferometric noise in fiber Bragg grating sensors using tunable laser sources</title>. , 1998, 3330, 272.		0
122	Handling the assembly line balancing problem in the clothing industry using a genetic algorithm. <i>International Journal of Clothing Science and Technology</i> , 1998, 10, 21-37.	1.1	42
123	An effective algorithm for mining interesting quantitative association rules. , 1997, , .		39
124	APACS: a system for the automatic analysis and classification of conceptual patterns. <i>Computational Intelligence</i> , 1990, 6, 119-131.	3.2	50
125	Automating the knowledge acquisition process in the construction of medical expert systems. <i>Artificial Intelligence in Medicine</i> , 1990, 2, 267-292.	6.5	5