

# Chan Keith

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

1,761  
citations

24  
h-index

37  
g-index

127  
ext. papers

2,104  
ext. citations

3.6  
avg, IF

5.27  
L-index

#	Paper	IF	Citations
110	Learning Representation of Molecules in Association Network for Predicting Intermolecular Associations. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 2546-2554	3	12
109	Contextual Correlation Preserving Multiview Featured Graph Clustering. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4318-4331	10.2	26
108	Discovering Fuzzy Structural Patterns for Graph Analytics. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 2785-2796	8.3	19
107	Corporate Communication Network and Stock Price Movements: Insights From Data Mining. <i>IEEE Transactions on Computational Social Systems</i> , <b>2018</b> , 5, 391-402	4.5	7
106	Evolutionary Graph Clustering for Protein Complex Identification. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> , 15, 892-904	3	19
105	MISAGA: An Algorithm for Mining Interesting Subgraphs in Attributed Graphs. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 1369-1382	10.2	18
104	Fuzzy Feature Extraction for Multichannel EEG Classification. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2018</b> , 10, 267-279	3	18
103	Measuring Boundedness for Protein Complex Identification in PPI Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> ,	3	6
102	Clustering in Networks with Multi-Modality Attributes <b>2018</b> ,		4
101	Learning Latent Factors in Linked Multi-modality Data. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 214-224	0.9	1
100	Learning Latent Factors for Community Identification and Summarization. <i>IEEE Access</i> , <b>2018</b> , 6, 30137-30148	3.18	12
99	Extracting Coevolutionary Features from Protein Sequences for Predicting Protein-Protein Interactions. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2017</b> , 14, 155-166	3	23
98	An improved sequence-based prediction protocol for protein-protein interactions using amino acids substitution matrix and rotation forest ensemble classifiers. <i>Neurocomputing</i> , <b>2017</b> , 228, 277-282	5.4	37
97	Discovering public sentiment in social media for predicting stock movement of publicly listed companies. <i>Information Systems</i> , <b>2017</b> , 69, 81-92	2.7	37
96	Efficiently predicting large-scale protein-protein interactions using MapReduce. <i>Computational Biology and Chemistry</i> , <b>2017</b> , 69, 202-206	3.6	10
95	Large-scale prediction of drug-target interactions from deep representations <b>2016</b> ,		21
94	Fuzzy Clustering in a Complex Network Based on Content Relevance and Link Structures. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 456-470	8.3	51

93	ILNCSIM: improved lncRNA functional similarity calculation model. <i>Oncotarget</i> , <b>2016</b> , 7, 25902-14	3.3	104
92	FMLNCSIM: fuzzy measure-based lncRNA functional similarity calculation model. <i>Oncotarget</i> , <b>2016</b> , 7, 45948-45958	3.3	90
91	An effective approach to identify gene-gene interactions for complex quantitative traits using generalized fuzzy accuracy <b>2016</b> ,		2
90	Discovering Variable-Length Patterns in Protein Sequences for Protein-Protein Interaction Prediction. <i>IEEE Transactions on Nanobioscience</i> , <b>2015</b> , 14, 409-416	3.4	12
89	What Strikes the Strings of Your Heart? Multi-Label Dimensionality Reduction for Music Emotion Analysis via Brain Imaging. <i>IEEE Transactions on Autonomous Mental Development</i> , <b>2015</b> , 7, 176-188		15
88	A density-based clustering approach for identifying overlapping protein complexes with functional preferences. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 174	3.6	21
87	Predicting protein-protein interactions from primary protein sequences using a novel multi-scale local feature representation scheme and the random forest. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125811	3.7	96
86	A Feature Extraction Method for Multivariate Time Series Classification Using Temporal Patterns. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 409-421	0.9	8
85	<b>2015</b> ,		1
84	Composition of Resource-Service Chain for Cloud Manufacturing. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 1-1	11.9	8
83	Developing a competitive edge in electronic markets via institutional and social based quality signaling mechanisms. <i>Information and Management</i> , <b>2014</b> , 51, 532-540	6.6	19
82	A Fuzzy Logic Approach for Opinion Mining on Large Scale Twitter Data <b>2014</b> ,		12
81	Public Sentiment Analysis in Twitter Data for Prediction of a Company's Stock Price Movements <b>2014</b> ,		38
80	Hybrid manifold embedding. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 2295-303	3.0	20
79	A fast big data collection system using MapReduce framework <b>2014</b> ,		1
78	A Model-Based Multivariate Time Series Clustering Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 805-817	0.9	5
77	Evolutionary community detection in social networks <b>2014</b> ,		12
76	Using Aligned Ontology Model to Convert Cultural Heritage Resources into Semantic Web <b>2014</b> ,		3

75	Utilizing both topological and attribute information for protein complex identification in PPI networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2013</b> , 10, 780-92	3	36
74	A disk based stream oriented approach for storing big data <b>2013</b> ,		2
73	Staying-alive path planning with energy optimization for mobile robots. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 3559-3571	7.8	25
72	Tensor distance based multilinear globality preserving embedding: A unified tensor based dimensionality reduction framework for image and video classification. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10500-10511	7.8	11
71	Discovering functional interdependence relationship in PPI networks for protein complex identification. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2012</b> , 59, 899-908	5	10
70	Neighborhood preserving ordinal regression <b>2012</b> ,		2
69	<b>2012</b> ,		11
68	Incremental fuzzy mining of gene expression data for gene function prediction. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58, 1246-52	5	11
67	Tensor-based locally maximum margin classifier for image and video classification. <i>Computer Vision and Image Understanding</i> , <b>2011</b> , 115, 300-309	4.3	10
66	Unsupervised fuzzy pattern discovery in gene expression data. <i>BMC Bioinformatics</i> , <b>2011</b> , 12 Suppl 5, S5	3.6	3
65	<b>2011</b> ,		2
64	EvoMD: an algorithm for evolutionary molecular design. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2011</b> , 8, 987-1003	3	5
63	Semi-supervised manifold ordinal regression for image ranking <b>2011</b> ,		17
62	Discovering interesting motif-sets for multi-class protein sequence classification. <i>Journal of Computational Biology</i> , <b>2010</b> , 17, 733-43	1.7	1
61	A graph-based algorithm for mining multi-level patterns in genomic data. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2010</b> , 8, 789-807	1	1
60	Supervised manifold learning for image and video classification <b>2010</b> ,		4
59	Pattern discovery for large mixed-mode database <b>2010</b> ,		4
58	Discovering interesting molecular substructures for molecular classification. <i>IEEE Transactions on Nanobioscience</i> , <b>2010</b> , 9, 77-89	3.4	2

57	Tensor distance based multilinear locality-preserved maximum information embedding. <i>IEEE Transactions on Neural Networks</i> , <b>2010</b> , 21, 1848-54		53
56	An Optimal Algorithm towards Successive Location Privacy in Sensor Networks with Dynamic Programming. <i>IEICE Transactions on Information and Systems</i> , <b>2010</b> , E93-D, 531-533	0.6	3
55	Nonlinear dimensionality reduction with hybrid distance for trajectory representation of dynamic texture. <i>Signal Processing</i> , <b>2010</b> , 90, 2375-2395	4.4	6
54	Pair Programming: Issues and Challenges <b>2010</b> , 143-163		1
53	Efficient Range Query Processing in Peer-to-Peer Systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2009</b> , 21, 78-91	4.2	35
52	A Unified Human-Computer Interaction Requirements Analysis Framework for Complex Socio-technical Systems. <i>International Journal of Human-Computer Interaction</i> , <b>2009</b> , 26, 1-21	3.6	1
51	A novel approach for discovering overlapping clusters in gene expression data. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2009</b> , 56, 1803-9	5	12
50	Dimensionality reduction for heterogeneous dataset in rushes editing. <i>Pattern Recognition</i> , <b>2009</b> , 42, 229-242	7.7	13
49	EvoArch: An evolutionary algorithm for architectural layout design. <i>CAD Computer Aided Design</i> , <b>2009</b> , 41, 649-667	2.9	26
48	An iterative data mining approach for mining overlapping coexpression patterns in noisy gene expression data. <i>IEEE Transactions on Nanobioscience</i> , <b>2009</b> , 8, 252-8	3.4	3
47	. <i>IEEE Transactions on Engineering Management</i> , <b>2008</b> , 55, 171-184	2.6	25
46	Information fusion based smart home control system and its application. <i>IEEE Transactions on Consumer Electronics</i> , <b>2008</b> , 54, 1157-1165	4.8	37
45	The Effect of Pairs in Program Design Tasks. <i>IEEE Transactions on Software Engineering</i> , <b>2008</b> , 34, 197-213	3.5	20
44	A Graph Mining Algorithm for Classifying Chemical Compounds <b>2008</b> ,		3
43	Using Data Mining for Dynamic Level Design in Games <b>2008</b> , 628-637		1
42	Distributed sequence alignment applications for the public computing architecture. <i>IEEE Transactions on Nanobioscience</i> , <b>2008</b> , 7, 35-43	3.4	8
41	Multiple video trajectories representation using double-layer isometric feature mapping <b>2008</b> ,		1
40	Inferring Gene Regulatory Networks From Expression Data by Discovering Fuzzy Dependency Relationships. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2008</b> , 16, 455-465	8.3	10

39	Topology Aware Task Allocation and Scheduling for Real-Time Data Fusion Applications in Networked Embedded Sensor Systems <b>2008</b> ,		3
38	Analyzing web layout structures using graph mining <b>2008</b> ,		1
37	A High-Throughput MAC Protocol for Wireless Ad Hoc Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2008</b> , 7, 135-145	9.6	18
36	Towards Successive Privacy Protection in Sensor Networks <b>2008</b> ,		2
35	UPSEC: an algorithm for classifying unaligned protein sequences into functional families. <i>Journal of Computational Biology</i> , <b>2008</b> , 15, 431-43	1.7	10
34	Discovering high-order patterns of gene expression levels. <i>Journal of Computational Biology</i> , <b>2008</b> , 15, 625-37	1.7	5
33	<b>2008</b> ,		4
32	Rushes video summarization using audio-visual information and sequence alignment <b>2008</b> ,		9
31	Mining Gene Expression Patterns for the Discovery of Overlapping Clusters <b>2008</b> , 117-128		
30	An Approach for Determining Evolutionary Distance in Network-Based Phylogenetic Analysis <b>2008</b> , 38-49		1
29	Topology-Aware Energy Efficient Task Assignment for Collaborative In-Network Processing in Distributed Sensor Systems. <i>International Federation for Information Processing</i> , <b>2008</b> , 201-211		3
28	Correction to "Attribute Clustering for Grouping, Selection, and Classification of Gene Expression Data". <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2007</b> , 4, 157-157	3	2
27	An effective data mining technique for reconstructing gene regulatory networks from time series expression data. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2007</b> , 5, 651-68	1	11
26	An Energy-Efficient Framework for Multirate Query in Wireless Sensor Networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2007</b> , 2007, 1	3.2	1
25	Application of artificial neural networks to the prediction of sewing performance of fabrics. <i>International Journal of Clothing Science and Technology</i> , <b>2007</b> , 19, 291-318	0.7	25
24	A Fault-Tolerant Group Communication Protocol in Large Scale and Highly Dynamic Mobile Next-Generation Networks. <i>IEEE Transactions on Computers</i> , <b>2007</b> , 56, 80-94	2.5	1
23	A new fuzzy approach to improve fashion product development. <i>Computers in Industry</i> , <b>2006</b> , 57, 82-92	11.6	36
22	A Road Map for Implementing eXtreme Programming. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 474-481	0.9	6

21	A self-organizable topology maintenance protocol for mobile group communications in mobile next-generation networks. <i>Computer Communications</i> , <b>2006</b> , 29, 1730-1743	5.1	
20	Pair programming productivity: Novice vs. expert. <i>International Journal of Human Computer Studies</i> , <b>2006</b> , 64, 915-925	4.6	67
19	Hardware/software optimization for array & pointer boundary checking against buffer overflow attacks. <i>Journal of Parallel and Distributed Computing</i> , <b>2006</b> , 66, 1129-1136	4.4	5
18	Software Process Fusion: Uniting Pair Programming and Solo Programming Processes. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 115-123	0.9	
17	Attribute clustering for grouping, selection, and classification of gene expression data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2005</b> , 2, 83-101	3	121
16	Mining changes in association rules: a fuzzy approach. <i>Fuzzy Sets and Systems</i> , <b>2005</b> , 149, 87-104	3.7	40
15	A novel secure multicast scheme in mobile Internet. <i>Central South University</i> , <b>2005</b> , 12, 720-725		1
14	A protocol for partitionable group membership service in mobile Internet. <i>Wireless Communications and Mobile Computing</i> , <b>2005</b> , 5, 773-792	1.9	0
13	Capability Maturity Model and SAP. <i>International Journal of Enterprise Information Systems</i> , <b>2005</b> , 1, 69-95	5.1	7
12	A novel group communication protocol using the RingNet hierarchy in mobile Internet. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , <b>2005</b> , 20, 253-280	1	
11	Clustering and re-clustering for pattern discovery in gene expression data. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2005</b> , 3, 281-301	1	5
10	Evolutionary Discovery of Fuzzy Concepts in Data. <i>Brain and Mind</i> , <b>2003</b> , 4, 253-268		2
9	Integrating Process and Project Management for Multi-Site Software Development. <i>Annals of Software Engineering</i> , <b>2002</b> , 14, 115-143		7
8	Evolutionary approach for discovering changing patterns in historical data <b>2002</b> , 4730, 398		3
7	Costs and benefits of ISO 9000 series: a practical study. <i>International Journal of Quality and Reliability Management</i> , <b>1999</b> , 16, 675-691	2	57
6	Software tools for ISO 9000 certification. <i>Managerial Auditing Journal</i> , <b>1999</b> , 14, 51-57	1.9	1
5	Effect of interferometric noise in fiber Bragg grating sensors using tunable laser sources <b>1998</b> , 3330, 272		
4	Handling the assembly line balancing problem in the clothing industry using a genetic algorithm. <i>International Journal of Clothing Science and Technology</i> , <b>1998</b> , 10, 21-37	0.7	31

3	An effective algorithm for mining interesting quantitative association rules <b>1997</b> ,		24
2	APACS: a system for the automatic analysis and classification of conceptual patterns. <i>Computational Intelligence</i> , <b>1990</b> , 6, 119-131	2.5	42
1	Automating the knowledge acquisition process in the construction of medical expert systems. <i>Artificial Intelligence in Medicine</i> , <b>1990</b> , 2, 267-292	7.4	5