John F Roddick

List of Publications by Year
in descending order

90 papers	3,465 citations	236925 25 h-index	155660 55 g-index
103 all docs	103 docs citations	103 times ranked	2022 citing authors

#	Article	IF	Citations
1	An Evaluation of HTM and LSTM for Short-Term Arterial Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1847-1857.	8.0	106
2	A note on using the resistance-distance matrix to solve Hamiltonian cycle problem. Annals of Operations Research, 2018, 261, 393-399.	4.1	2
3	QUATRE Algorithm with Sort Strategy for Global Optimization in Comparison with DE and PSO Variants. Advances in Intelligent Systems and Computing, 2018, , 314-323.	0.6	9
4	Directional Shuffled Frog Leaping Algorithm. Smart Innovation, Systems and Technologies, 2018, , 257-264.	0.6	3
5	Relay Node Selection Strategy for Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2018, , 228-234.	0.6	0
6	Schema Evolution. , 2018, , 3287-3289.		0
7	Schema Versioning. , 2018, , 3311-3314.		5
8	Privacy preservation through a greedy, distortion-based rule-hiding method. Applied Intelligence, 2016, 44, 295-306.	5.3	38
9	Lizard movement tracks: variation in path re-use behaviour is consistent with a scent-marking function. PeerJ, 2016, 4, e1844.	2.0	13
10	Schema Evolution. , 2016, , 1-3.		0
11	Schema Versioning. , 2016, , 1-4.		0
12	Hide Association Rules with Fewer Side Effects. IEICE Transactions on Information and Systems, 2015, E98.D, 1788-1798.	0.7	8
13	Incorporating ontology-based semantics into conceptual modelling. Information Systems, 2015, 52, 1-20.	3.6	19
14	Gabor-based kernel self-optimization Fisher discriminant for optical character segmentation from text-image-mixed document. Optik, 2015, 126, 3119-3124.	2.9	4
15	RPL: a ruleset pattern language. , 2015, , .		0
16	Towards polymorphic relationships in the entity-relationship model. , 2015, , .		0
17	Kernel self-optimization learning for kernel-based feature extraction and recognition. Information Sciences, 2014, 257, 70-80.	6.9	15
18	Sparse representation-based MRI super-resolution reconstruction. Measurement: Journal of the International Measurement Confederation, 2014, 47, 946-953.	5.0	73

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19	Distortion-Based Heuristic Sensitive Rule Hiding Method â€" The Greedy Way. Lecture Notes in Computer Science, 2014, , 77-86.	1.3	3
20	Sequential pattern mining -- approaches and algorithms. ACM Computing Surveys, 2013, 45, 1-39.	23.0	227
21	Directional Discriminant Analysis Based on Nearest Feature Line. Lecture Notes in Computer Science, 2012, , 119-128.	1.3	0
22	Solving Constrained Optimization Problems by an Improved Particle Swarm Optimization. , 2011, , .		7
23	Neighborhood Discriminant Nearest Feature Line Analysis for Face Recognition. , 2011, , .		9
24	Image Recognition Based on Kernel Self-Optimized Learning. , 2011, , .		1
25	GOPT Resolution. International Journal of Artificial Intelligence and Soft Computing, 2011, 2, 334.	0.1	0
26	Overview of Algorithms for Swarm Intelligence. Lecture Notes in Computer Science, 2011, , 28-41.	1.3	43
27	FP-GraphMiner-A Fast Frequent Pattern Mining Algorithm for Network Graphs. Journal of Graph Algorithms and Applications, 2011, 15, 753-776.	0.4	21
28	Orientation Tree Structure Based Wavelet/VQ Multiple Description Coding. , 2010, , .		0
29	Power Reduction of Wireless Sensor Networks Using Ant Colony Optimization. , 2010, , .		7
30	An Effective Image Enhancement Method for Electronic Portal Images. Lecture Notes in Computer Science, 2010, , 174-183.	1.3	4
31	Schema Vacuuming in Temporal Databases. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 744-747.	5.7	5
32	Schema Evolution. , 2009, , 2479-2481.		3
33	Schema Versioning. , 2009, , 2499-2502.		9
34	Legal and Technical Issues of Privacy Preservation in Data Mining. , 2009, , 1158-1163.		9
35	Temporal Vacuuming. , 2009, , 3023-3027.		0
36	Accommodating mesodata into conceptual modelling methodologies. Information and Software Technology, 2008, 50, 424-435.	4.4	1

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37	A Signature-Based Indexing Method for Efficient Content-Based Retrieval of Relative Temporal Patterns. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 825-835.	5.7	4
38	Improved search strategies and extensions to k-medoids-based clustering algorithms. International Journal of Business Intelligence and Data Mining, 2008, 3, 212.	0.2	6
39	Higher order mining. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2008, 10, 5-17.	4.0	27
40	GAM: a guidance enabled association mining environment. International Journal of Business Intelligence and Data Mining, 2007, 2, 3.	0.2	5
41	The case for mesodata: An empirical investigation of an evolving database system. Information and Software Technology, 2007, 49, 1061-1072.	4.4	10
42	ARMADA â€" An algorithm for discovering richer relative temporal association rules from interval-based data. Data and Knowledge Engineering, 2007, 63, 76-90.	3.4	111
43	Postponing Schema Definition: Low Instance-to-Entity Ratio (LItER) Modelling. Lecture Notes in Computer Science, 2007, , 206-216.	1.3	1
44	Association mining. ACM Computing Surveys, 2006, 38, 5.	23.0	223
45	A Multi-level Framework for the Analysis of Sequential Data. Lecture Notes in Computer Science, 2006, , 229-243.	1.3	1
46	Local nulls in summarised mobile and distributed databases. WIT Transactions on Information and Communication Technologies, 2006, , .	0.0	0
47	Visualising hierarchical associations. Knowledge and Information Systems, 2005, 8, 257-275.	3.2	11
48	Linear temporal sequences and their interpretation using midpoint relationships. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 133-135.	5.7	19
49	Discovering Richer Temporal Association Rules from Interval-Based Data. Lecture Notes in Computer Science, 2005, , 315-325.	1.3	14
50	Ant colony system with communication strategies. Information Sciences, 2004, 167, 63-76.	6.9	154
51	Spatial, temporal and spatio-temporal databases - hot issues and directions for phd research. SIGMOD Record, 2004, 33, 126-131.	1.2	34
52	Novel multi-centroid, multi-run sampling schemes for K-medoids-based algorithms. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2004, 8, 45-56.	1.0	1
53	Facilitating Database Attribute Domain Evolution Using Mesodata. Lecture Notes in Computer Science, 2004, , 429-440.	1.3	5
54	Mining Relationships Between Interacting Episodes. , 2004, , .		30

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55	Constrained Ant Colony Optimization for Data Clustering. Lecture Notes in Computer Science, 2004, , 534-543.	1.3	39
56	In Support of Mesodata in Database Management Systems. Lecture Notes in Computer Science, 2004, , 663-674.	1.3	6
57	Exploratory medical knowledge discovery. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2003, 5, 94-99.	4.0	56
58	Parallel Ant Colony Systems. Lecture Notes in Computer Science, 2003, , 279-284.	1.3	12
59	A survey of temporal knowledge discovery paradigms and methods. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 750-767.	5.7	280
60	An Updated Bibliography of Temporal, Spatial, and Spatio-temporal Data Mining Research. Lecture Notes in Computer Science, 2001, , 147-163.	1.3	66
61	Beyond Schema Versioning: A Flexible Model for Spatio-Temporal Schema Selection. GeoInformatica, 2001, 5, 33-50.	2.7	7
62	An analysis of application rates to programs in information technology, science, and engineering. IEEE Transactions on Education, 2001, 44, 268-275.	2.4	0
63	What's interesting about Cricket?. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2001, 3, 1-5.	4.0	23
64	Visualisation of Temporal Interval Association Rules. Lecture Notes in Computer Science, 2000, , 91-96.	1.3	15
65	Evolution and change in data management â€" issues and directions. SIGMOD Record, 2000, 29, 21-25.	1.2	26
66	Approximate Query Processing Model for Mobile Computing. , 2000, , 207-219.		0
67	Temporal Interval Logic in Data Mining. Lecture Notes in Computer Science, 2000, , 798-798.	1.3	1
68	Advances and Research Directions in Data-Warehousing Technology. Australasian Journal of Information Systems, 1999, 7, .	0.3	30
69	Database Issues in Knowledge Discovery and Data Mining. Australasian Journal of Information Systems, 1999, 6, .	0.3	7
70	Survey of Spatio-Temporal Databases. GeoInformatica, 1999, 3, 61-99.	2.7	161
71	A bibliography of temporal, spatial and spatio-temporal data mining research. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 1999, 1, 34-38.	4.0	143
72	Adding Temporal Semantics to Association Rules. Lecture Notes in Computer Science, 1999, , 504-509.	1.3	20

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73	Advances in Conceptual Modeling. Lecture Notes in Computer Science, 1999, , .	1.3	14
74	Incremental Meta-Mining from Large Temporal Data Sets. Lecture Notes in Computer Science, 1999, , 41-54.	1.3	19
75	Methods and Interpretation of Database Summarisation. Lecture Notes in Computer Science, 1999, , 604-615.	1.3	4
76	Data Warehousing and Data Mining: Are We Working on the Right Things?. Lecture Notes in Computer Science, 1999, , 141-144.	1.3	3
77	The consensus glossary of temporal database concepts â€" February 1998 version. Lecture Notes in Computer Science, 1998, , 367-405.	1.3	230
78	Opportunities for Knowledge Discovery in Spatio-Temporal Information Systems. Australasian Journal of Information Systems, 1998, 5, .	0.3	20
79	Handling discovered structure in database systems. IEEE Transactions on Knowledge and Data Engineering, 1996, 8, 227-240.	5.7	12
80	A survey of schema versioning issues for database systems. Information and Software Technology, 1995, 37, 383-393.	4.4	215
81	A consensus glossary of temporal database concepts. SIGMOD Record, 1994, 23, 52-64.	1.2	233
82	TSQL2 language specification. SIGMOD Record, 1994, 23, 65-86.	1.2	114
83	A TSQL2 tutorial. SIGMOD Record, 1994, 23, 27-33.	1.2	50
84	Announcementâ€"the temporal query language TSQL2 final language definition. SIGMOD Record, 1994, 23, 34.	1.2	51
85	A taxonomy for schema versioning based on the relational and Entity Relationship Models. , 1993, , 137-148.		25
86	SQL/SE. SIGMOD Record, 1992, 21, 10-16.	1.2	41
87	Temporal semantics in information systemsâ€"A survey. Information Systems, 1992, 17, 249-267.	3.6	37
88	Schema evolution in database systems. SIGMOD Record, 1992, 21, 35-40.	1.2	90
89	Guiding Knowledge Discovery Through Interactive Data Mining. , 0, , 45-87.		13
90	Paradigms for spatial and spatio-temporal data mining. , 0, , 33-50.		22