Engelbert Mephu Nguifo

List of Publications by Year
in descending order

93 papers	1,198 citations	567281 15 h-index	501196 28 g-index
98 all docs	98 docs citations	98 times ranked	963 citing authors

#	Article	IF	Citations
1	On the design of a similarity function for sparse binary data with application on protein function annotation. Knowledge-Based Systems, 2022, 238, 107863.	7.1	1
2	A distributed and incremental algorithm for large-scale graph clustering. Future Generation Computer Systems, 2022, 134, 334-347.	7.5	4
3	Multiple instance learning for sequence data with across bag dependencies. International Journal of Machine Learning and Cybernetics, 2020, 11, 629-642.	3.6	1
4	A novel algorithm for searching frequent gradual patterns from an ordered data set. Intelligent Data Analysis, 2020, 24, 1029-1042.	0.9	6
5	Frobenius correlation based u-shapelets discovery for time series clustering. Pattern Recognition, 2020, 103, 107301.	8.1	7
6	Uncertain Time Series Classification with Shapelet Transform. , 2020, , .		0
7	Corrections to â€œA Novel Computational Approach for Global Alignment for Multiple Biological Networksâ€. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 700-700.	3.0	0
8	A Structure Based Multiple Instance Learning Approach for Bacterial Ionizing Radiation Resistance Prediction. Procedia Computer Science, 2019, 159, 342-351.	2.0	0
9	Grasp heuristic for time series compression with piecewise aggregate approximation. RAIRO - Operations Research, 2019, 53, 243-259.	1.8	8
10	Selected Papers from the Workshop on Computational Biology: Joint with the International Joint Conference on Artificial Intelligence and the International Conference on Machine Learning, 2018. Journal of Computational Biology, 2019, 26, 507-508.	1.6	2
11	A De Novo Robust Clustering Approach for Amplicon-Based Sequence Data. Journal of Computational Biology, 2019, 26, 618-624.	1.6	2
12	Efficiently Mining Recurrent Substructures from Protein Three-Dimensional Structure Graphs. Journal of Computational Biology, 2019, 26, 561-571.	1.6	3
13	A Novel Computational Approach for Global Alignment for Multiple Biological Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 2060-2066.	3.0	13
14	An experimental survey on big data frameworks. Future Generation Computer Systems, 2018, 86, 546-564.	7.5	91
15	An Approach for Extracting Frequent (Closed) Gradual Patterns Under Temporal Constraint. , 2018, , .		5
16	Using Boolean factors for the construction of an artificial neural networks. International Journal of General Systems, 2018, 47, 849-868.	2.5	4
17	MR-SimLab: Scalable subgraph selection with label similarity for big data. Information Systems, 2017, 69, 155-163.	3.6	21
18	On Containment of Triclusters Collections Generated by Quantified Box Operators. Lecture Notes in Computer Science, 2017, , 573-579.	1.3	1

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19	Preface: Selected Papers from the Workshop Bioinformatics and Artificial Intelligence Joined with the International Joint Conference on Artificial Intelligence. Journal of Computational Biology, 2017, 24, 733-733.	1.6	0
20	Big Graph Mining: Frameworks and Techniques. Big Data Research, 2016, 6, 1-10.	4.2	44
21	Boolean factors based Artificial Neural Network. , 2016, , .		0
22	Prediction of Ionizing Radiation Resistance in Bacteria Using a Multiple Instance Learning Model. Journal of Computational Biology, 2016, 23, 10-20.	1.6	7
23	Towards more targeted recommendations in folksonomies. Social Network Analysis and Mining, 2015, 5, 1.	2.8	6
24	Cluster analysis to investigate biomechanical changes during learning of manual wheelchair locomotion: a preliminary study. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 2058-2059.	1.6	1
25	Cost Models for Distributed Pattern Mining in the Cloud. , 2015, , .		0
26	Symbolic representation of propulsion cycles in manual wheelchair locomotion. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 2060-2061.	1.6	0
27	Density-based data partitioning strategy to approximate large-scale subgraph mining. Information Systems, 2015, 48, 213-223.	3.6	32
28	Towards Faster Mining of Disjunction-Based Concise Representations of Frequent Patterns. International Journal on Artificial Intelligence Tools, 2014, 23, 1450001.	1.0	0
29	Smoothing 3D Protein Structure Motifs Through Graph Mining and Amino Acid Similarities. Journal of Computational Biology, 2014, 21, 162-172.	1.6	16
30	Mining Undominated Association Rules Through Interestingness Measures. International Journal on Artificial Intelligence Tools, 2014, 23, 1460011.	1.0	20
31	Boolean factors as a means of clustering of interestingness measures of association rules. Annals of Mathematics and Artificial Intelligence, 2014, 70, 151-184.	1.3	13
32	Un partitionnement basé sur la densité de graphe pour approcher la fouille distribuée de sous-graphes fréquents. Techniques Et Sciences Informatiques, 2014, 33, 727-731.	0.0	0
33	A multiparadigm intelligent tutoring system for robotic arm training. IEEE Transactions on Learning Technologies, 2013, 6, 364-377.	3.2	17
34	Computational phenotype prediction of ionizing-radiation-resistant bacteria with a multiple-instance learning model. , 2013, , .		2
35	Looking for a structural characterization of the sparseness measure of (frequent closed) itemset contexts. Information Sciences, 2013, 222, 343-361.	6.9	14
36	A personalized recommender system based on users' information in folksonomies. , 2013, , .		18

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37	A novel approach for mining representative spatial motifs of proteins. , 2012, , .		0
38	Feature extraction in protein sequences classification. , 2012, , .		10
39	DroPNet: a web portal for integrated analysis of Drosophila protein-protein interaction networks. Nucleic Acids Research, 2012, 40, W134-W139.	14.5	5
40	Ranking and Selecting Association Rules Based on Dominance Relationship. , 2012, , .		23
41	CMRules: Mining sequential rules common to several sequences. Knowledge-Based Systems, 2012, 25, 63-76.	7.1	102
42	Multi-paradigm Generation of Tutoring Feedback in Robotic Arm Manipulation Training. Lecture Notes in Computer Science, 2012, , 233-242.	1.3	0
43	Une approche basÃ©e sur les treillis de Galois pour la dÃ©finition des architectures des rÃ©seaux de neurones. Techniques Et Sciences Informatiques, 2012, 31, 675-704.	0.0	0
44	Preface to the Workshop on Domain Driven Data Mining. , 2011, , .		0
45	Learning task models in ill-defined domain using an hybrid knowledge discovery framework. Knowledge-Based Systems, 2011, 24, 176-185.	7.1	17
46	Towards a generalization of decompositional approach of rule extraction from multilayer artificial neural network. , 2011, , .		5
47	An Hybrid Expert Model to Support Tutoring Services in Robotic Arm Manipulations. Lecture Notes in Computer Science, 2011, , 478-489.	1.3	2
48	Construction efficace du treillis des motifs fermÃ©s frÃ©quents et extraction simultanÃ©e des bases gÃ©nÃ©riques de rÃ¨gles. MathÃ‰matiques Et Sciences Humaines = Mathematics and Social Sciences, 2011, , 5-54.	0.1	0
49	Generalization of association rules through disjunction. Annals of Mathematics and Artificial Intelligence, 2010, 59, 201-222.	1.3	11
50	Protein sequences classification by means of feature extraction with substitution matrices. BMC Bioinformatics, 2010, 11, 175.	2.6	50
51	Building Intelligent Tutoring Systems for Ill-Defined Domains. Studies in Computational Intelligence, 2010, , 81-101.	0.9	31
52	ITS in Ill-Defined Domains: Toward Hybrid Approaches. Lecture Notes in Computer Science, 2010, , 318-320.	1.3	4
53	A new generic basis of â€œfactualâ€•and â€œimplicativeâ€•association rules1. Intelligent Data Analysis, 2009, 13, 633-656.	0.9	28
54	Sweeping the disjunctive search space towards mining new exact concise representations of frequent itemsets. Data and Knowledge Engineering, 2009, 68, 1091-1111.	3.4	24

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55	Improving the Behavior of Intelligent Tutoring Agents with Data Mining. IEEE Intelligent Systems, 2009, 24, 46-53.	4.0	5
56	Comparing graph-based representations of protein for mining purposes. , 2009, , .		6
57	Building Agents That Learn by Observing Other Agents Performing a Task: A Sequential Pattern Mining Approach. Studies in Computational Intelligence, 2009, , 279-284.	0.9	0
58	Meta-Knowledge Based Approach for an Interactive Visualization of Large Amounts of Association Rules. , 2009, , 200-223.		0
59	Mining Temporal Patterns to Improve Agents Behavior: Two Case Studies. , 2009, , 77-92.		0
60	M-CLANN: Multiclass Concept Lattice-Based Artificial Neural Network. Studies in Computational Intelligence, 2009, , 103-121.	0.9	3
61	Concept Lattices and Their Applications. Lecture Notes in Computer Science, 2008, , .	1.3	2
62	Optimizing occlusion appearances in 3D association rules visualization. , 2008, , .		0
63	SUCCINCT MINIMAL GENERATORS: THEORETICAL FOUNDATIONS AND APPLICATIONS. International Journal of Foundations of Computer Science, 2008, 19, 271-296.	1.1	15
64	M-CLANN: Multi-class Concept Lattice-Based Artificial Neural Network for Supervised Classification. Lecture Notes in Computer Science, 2008, , 812-821.	1.3	4
65	A Knowledge Discovery Framework for Learning Task Models from User Interactions in Intelligent Tutoring Systems. Lecture Notes in Computer Science, 2008, , 765-778.	1.3	31
66	A scalable association rule visualization towards displaying large amounts of knowledge. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	14
67	Towards a Finer Assessment of Extraction Contexts Sparseness. , 2007, , .		17
68	A new alignment method for OWL-Lite ontologies using propagation of similarity over the graph. , 2007, , .		4
69	Biological Sequences Encoding for Supervised Classification. Lecture Notes in Computer Science, 2007, , 224-238.	1.3	0
70	About the Lossless Reduction of the Minimal Generator Family of a Context. , 2007, , 130-150.		8
71	Problem-Solving Knowledge Mining from Usersâ€™ Actions in an Intelligent Tutoring System. Lecture Notes in Computer Science, 2007, , 393-404.	1.3	4
72	Extraction of Association Rules Based on Literalsets. Lecture Notes in Computer Science, 2007, , 293-302.	1.3	15

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73	Frequent closed itemset based algorithms. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2006, 8, 93-104.	4.0	75
74	Une approche anthropocentrée interactive pour l'aide à la décision en marketing bancaire. , 2006, , .		0
75	Enhancing Tutoring Intelligence Using Knowledge Discovery Techniques. , 2006, , .		0
76	Succinct System of Minimal Generators: A Thorough Study, Limitations and New Definitions. , 2006, , 80-95.		6
77	Generic Association Rule Bases: Are They so Succinct?. , 2006, , 198-213.		2
78	Treillis de concepts et classification supervisée. Techniques Et Sciences Informatiques, 2005, 24, 449-488.	0.0	9
79	A Parallel Algorithm to Generate Formal Concepts for Large Data. Lecture Notes in Computer Science, 2004, , 394-401.	1.3	20
80	A Comparative Study of FCA-Based Supervised Classification Algorithms. Lecture Notes in Computer Science, 2004, , 313-320.	1.3	15
81	Clustering Binary Codes to Express the Biochemical Properties of Amino Acids. , 2004, , 279-282.		1
82	Étude et conception d'algorithmes de génération de concepts formels. Ingenierie Des Systemes D'Information, 2004, 9, 109-132.	0.7	4
83	Approches d'extraction de règles d'association basées sur la correspondance de Galois. Ingenierie Des Systemes D'Information, 2004, 9, 23-55.	0.7	10
84	Introduction concept lattice-based theory, methods and tools for knowledge discovery in databases: Applications. Applied Artificial Intelligence, 2003, 17, 177-180.	3.2	6
85	Concept lattice-based knowledge discovery in databases. Journal of Experimental and Theoretical Artificial Intelligence, 2002, 14, 75-79.	2.8	4
86	IGLUE: A lattice-based constructive induction system. Intelligent Data Analysis, 2001, 5, 73-91.	0.9	9
87	Using Lattice-Based Framework as a Tool for Feature Extraction. , 1998, , 205-218.		3
88	IMPROVING THE EFFICIENCY OF A USER-DRIVEN LEARNING SYSTEM WITH RECONFIGURABLE HARDWARE.: APPLICATION TO DNA SPLICING.. , 1998, , 290-301.		1
89	Title is missing!. Computers and the Humanities, 1997, 31, 169-187.	1.4	2
90	Exon prediction in eucaryotic genomes. Biochimie, 1996, 78, 327-334.	2.6	10

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91	Contextual generic association rules visualization using hierarchical fuzzy meta-rules. , 0, , .		2
92	Handbook of Educational Data Mining. , 0, , .		197
93	Meta-Knowledge Based Approach for an Interactive Visualization of Large Amounts of Association Rules. , 0, , .		0