

Raffaele Perego

List of Publications by Year in descending order

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Version: 2024-02-01

146
papers

2,603
citations

394421

19
h-index

330143

37
g-index

153
all docs

153
docs citations

153
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and memory efficient mining of frequent closed itemsets. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 21-36.	5.7	184
2	Boosting the performance of Web search engines. ACM Transactions on Information Systems, 2006, 24, 51-78.	4.9	167
3	A hybrid heuristic for the traveling salesman problem. IEEE Transactions on Evolutionary Computation, 2001, 5, 613-622.	10.0	156
4	Identifying task-based sessions in search engine query logs. , 2011, , .		96
5	On planning sightseeing tours with TripBuilder. Information Processing and Management, 2015, 51, 1-15.	8.6	94
6	Building a web-scale image similarity search system. Multimedia Tools and Applications, 2010, 47, 599-629.	3.9	92
7	Where shall we go today?. , 2013, , .		61
8	Learning relatedness measures for entity linking. , 2013, , .		55
9	Fast Ranking with Additive Ensembles of Oblivious and Non-Oblivious Regression Trees. ACM Transactions on Information Systems, 2017, 35, 1-31.	4.9	53
10	Efficient Document Re-Ranking for Transformers by Precomputing Term Representations. , 2020, , .		53
11	Efficient diversification of web search results. Proceedings of the VLDB Endowment, 2011, 4, 451-459.	3.8	51
12	Enhancing the Apriori Algorithm for Frequent Set Counting. Lecture Notes in Computer Science, 2001, , 71-82.	1.3	51
13	Parallel 3D Delaunay Triangulation. Computer Graphics Forum, 1993, 12, 129-142.	3.0	50
14	Adaptive and resource-aware mining of frequent sets. , 0, , .		50
15	Discovering tasks from search engine query logs. ACM Transactions on Information Systems, 2013, 31, 1-43.	4.9	49
16	QuickScorer. , 2015, , .		44
17	Dexter. , 2013, , .		43
18	Quality versus efficiency in document scoring with learning-to-rank models. Information Processing and Management, 2016, 52, 1161-1177.	8.6	41

#	ARTICLE	IF	CITATIONS
19	A Unifying Framework for Mining Approximate Top- k Binary Patterns. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2900-2913.	5.7	40
20	Parallel volume visualization on a hypercube architecture. , 1992, , .		37
21	Assigning identifiers to documents to enhance the clustering property of fulltext indexes. , 2004, , .		35
22	Post-Learning Optimization of Tree Ensembles for Efficient Ranking. , 2016, , .		35
23	Efficient query recommendations in the long tail via center-piece subgraphs. , 2012, , .		34
24	A metric cache for similarity search. , 2008, , .		33
25	A new algorithm for gap constrained sequence mining. , 2004, , .		32
26	How Random Walks Can Help Tourism. Lecture Notes in Computer Science, 2012, , 195-206.	1.3	30
27	Tuning the capacity of search engines. ACM Transactions on Information Systems, 2010, 28, 1-36.	4.9	29
28	Mining Top-K Patterns from Binary Datasets in presence of Noise. , 2010, , .		28
29	Generating suggestions for queries in the long tail with an inverted index. Information Processing and Management, 2012, 48, 326-339.	8.6	27
30	Boosting Ride Sharing With Alternative Destinations. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2290-2300.	8.0	24
31	Scheduling High Performance Data Mining Tasks on a Data Grid Environment. Lecture Notes in Computer Science, 2002, , 375-384.	1.3	22
32	A constraint-based querying system for exploratory pattern discovery. Information Systems, 2009, 34, 3-27.	3.6	22
33	Event attendance classification in social media. Information Processing and Management, 2019, 56, 687-703.	8.6	22
34	Assigning document identifiers to enhance compressibility of Web Search Engines indexes. , 2004, , .		21
35	Parallel Mining of Frequent Closed Patterns: Harnessing Modern Computer Architectures. , 2007, , .		20
36	Search shortcuts. , 2009, , .		20

#	ARTICLE	IF	CITATIONS
37	Aging effects on query flow graphs for query suggestion. , 2009, , .		20
38	TripBuilder: A Tool for Recommending Sightseeing Tours. Lecture Notes in Computer Science, 2014, , 771-774.	1.3	20
39	Exploiting CPU SIMD Extensions to Speed-up Document Scoring with Tree Ensembles. , 2016, , .		20
40	Similarity caching in large-scale image retrieval. Information Processing and Management, 2012, 48, 803-818.	8.6	19
41	Perception of social phenomena through the multidimensional analysis of online social networks. Online Social Networks and Media, 2017, 1, 14-32.	3.6	19
42	Evaluation of parallelization strategies for an incremental Delaunay triangulator in e3. Concurrency and Computation: Practice and Experience, 1995, 7, 61-80.	0.5	18
43	Caching query-biased snippets for efficient retrieval. , 2011, , .		18
44	ConQueSt: a Constraint-based Querying System for Exploratory Pattern Discovery. , 2006, , .		16
45	Social Media Image Recognition for Food Trend Analysis. , 2017, , .		16
46	Topic Propagation in Conversational Search. , 2020, , .		16
47	AssistConf: a Grid configuration tool for the ASSIST parallel programming environment. , 2003, , .		15
48	Caching content-based queries for robust and efficient image retrieval. , 2009, , .		15
49	Sentiment-enhanced multidimensional analysis of online social networks: Perception of the mediterranean refugees crisis. , 2016, , .		15
50	Fast Feature Selection for Learning to Rank. , 2016, , .		15
51	Statistical properties of transactional databases. , 2004, , .		14
52	X-DART. , 2017, , .		14
53	Dataset Popularity Prediction for Caching of CMS Big Data. Journal of Grid Computing, 2018, 16, 211-228.	3.9	13
54	Mining Query Logs to Optimize Index Partitioning in Parallel Web Search Engines. , 2007, , .		13

#	ARTICLE	IF	CITATIONS
55	COLTHPF, a run-time support for the high-level co-ordination of HPF tasks. Concurrency and Computation: Practice and Experience, 1999, 11, 407-434.	0.5	12
56	You should read this! let me explain you why. , 2012, , .		12
57	Selective Gradient Boosting for Effective Learning to Rank. , 2018, , .		12
58	Compressed Indexes for Fast Search of Semantic Data. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3187-3198.	5.7	12
59	An Efficient Parallel and Distributed Algorithm for Counting Frequent Sets. Lecture Notes in Computer Science, 2003, , 421-435.	1.3	11
60	Parallel Traversal of Large Ensembles of Decision Trees. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2075-2089.	5.6	11
61	Leveraging feature selection to detect potential tax fraudsters. Expert Systems With Applications, 2020, 145, 113128.	7.6	11
62	Where are embarrassingly parallel problems? The atom-diatom quasiclassical reactivity. Theoretica Chimica Acta, 1993, 84, 413-421.	0.8	10
63	A parallel compact genetic algorithm for multi-FPGA partitioning. , 0, , .		10
64	Load-sensitive selective pruning for distributed search. , 2013, , .		10
65	Adaptive utterance rewriting for conversational search. Information Processing and Management, 2021, 58, 102682.	8.6	10
66	Training Curricula for Open Domain Answer Re-Ranking. , 2020, , .		10
67	Recommendations for the long tail by term-query graph. , 2011, , .		9
68	Continuation Methods and Curriculum Learning for Learning to Rank. , 2018, , .		9
69	On Interactive Pattern Mining from Relational Databases. , 2006, , 42-62.		9
70	D+D 2 Quasiclassical rate constant calculations on parallel computers. Theoretica Chimica Acta, 1991, 79, 323-333.	0.8	8
71	X-CLE <sc>a</sc> VER. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-26.	4.5	8
72	Efficient and Effective Query Expansion for Web Search. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
73	The Dagstuhl Perspectives Workshop on Performance Modeling and Prediction. ACM SIGIR Forum, 2018, 52, 91-101.	0.5	8
74	A generative pattern model for mining binary datasets. , 2010, , .		7
75	MIDAS: a cloud platform for SOA testing as a service. International Journal of High Performance Computing and Networking, 2015, 8, 285.	0.4	7
76	RankEval. , 2017, , .		7
77	Parallel rendering of volumetric data set on distributed-memory architectures. Concurrency and Computation: Practice and Experience, 1993, 5, 153-167.	0.5	6
78	Speeding up Document Ranking with Rank-based Features. , 2015, , .		6
79	Polarized User and Topic Tracking in Twitter. , 2016, , .		6
80	SEL: A unified algorithm for salient entity linking. Computational Intelligence, 2018, 34, 2-29.	3.2	6
81	A Parallel Hybrid Heuristic for the TSP. Lecture Notes in Computer Science, 2001, , 193-202.	1.3	6
82	Entry Pairing in Inverted File. Lecture Notes in Computer Science, 2009, , 511-522.	1.3	6
83	On Including the User Dynamic in Learning to Rank. , 2017, , .		6
84	Load-Balancing and Caching for Collection Selection Architectures. , 2007, , .		6
85	A template for non-uniform parallel loops based on dynamic scheduling and prefetching techniques. , 1996, , .		5
86	WINGS: A Parallel Indexer for Web Contents. Lecture Notes in Computer Science, 2004, , 263-270.	1.3	5
87	Mining frequent closed itemsets out of core. , 2006, , .		5
88	Efficient diversification of search results using query logs. , 2011, , .		5
89	ILMART: Interpretable Ranking with Constrained LambdaMART. , 2022, , .		5
90	Exploiting partial replication in unbalanced parallel loop scheduling on multicomputer. Microprocessing and Microprogramming, 1996, 41, 645-658.	0.2	4

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91	Coordinating HPF programs to mix task and data parallelism. , 2000, , .		4
92	On Using Query Logs for Static Index Pruning. , 2010, , .		4
93	A SOA Testing Platform on the Cloud: The MIDAS Experience. , 2014, , .		4
94	Planning sightseeing tours using crowdsensed trajectories. SIGSPATIAL Special, 2015, 7, 59-66.	2.7	4
95	Group Finder: An Item-Driven Group Formation Framework. , 2016, , .		4
96	Hierarchical Dependence-aware Evaluation Measures for Conversational Search. , 2021, , .		4
97	Efficient traversal of decision tree ensembles with FPGAs. Journal of Parallel and Distributed Computing, 2021, 155, 38-49.	4.1	4
98	QuickScorer: Efficient Traversal of Large Ensembles of Decision Trees. Lecture Notes in Computer Science, 2017, , 383-387.	1.3	4
99	A massively parallel approach to the quasiclassical reactive scattering. Journal of Mathematical Chemistry, 1992, 11, 1-11.	1.5	3
100	A Comparison of Implementation Strategies for Nonuniform Data-Parallel Computations. Journal of Parallel and Distributed Computing, 1998, 52, 132-149.	4.1	3
101	(Query) History Teaches Everything, Including the Future. , 2008, , .		3
102	Detecting Task-Based Query Sessions Using Collaborative Knowledge. , 2010, , .		3
103	The ComeWithMe System for Searching and Ranking Activity-Based Carpooling Rides. , 2016, , .		3
104	Topical result caching in web search engines. Information Processing and Management, 2020, 57, 102193.	8.6	3
105	Learning Early Exit Strategies for Additive Ranking Ensembles. , 2021, , .		3
106	Query-level Early Exit for Additive Learning-to-Rank Ensembles. , 2020, , .		3
107	Search shortcuts. , 2009, , .		3
108	Minimizing network contention for mapping tasks onto massively parallel computers. , 0, , .		2

#	ARTICLE	IF	CITATIONS
109	Mixed data and task parallelism with HPF and PVM. Cluster Computing, 2000, 3, 201-213.	5.0	2
110	An Incremental Prefix Filtering Approach for the All Pairs Similarity Search Problem. , 2010, , .		2
111	When entities meet query recommender systems. , 2013, , .		2
112	LEARning Next generation Rankers (LEARNER 2017)., 2017, , .		2
113	Multicore/Manycore Parallel Traversal of Large Forests of Regression Trees. , 2017, , .		2
114	RankEval: Evaluation and investigation of ranking models. SoftwareX, 2020, 12, 100614.	2.6	2
115	Weighting Passages Enhances Accuracy. ACM Transactions on Information Systems, 2021, 39, 1-11.	4.9	2
116	Query Processing in Highly-Loaded Search Engines. Lecture Notes in Computer Science, 2013, , 49-55.	1.3	2
117	A support for non-uniform parallel loops and its application to a flame simulation code. Lecture Notes in Computer Science, 1997, , 186-197.	1.3	2
118	Exploiting photo location and direction for clustering-based points-of-interest discovery. , 2017, , .		2
119	MATâ€Index: An index for fast multiple aspect trajectory similarity measuring. Transactions in GIS, 0, , .	2.3	2
120	Dynamic hard pruning of Neural Networks at the edge of the internet. Journal of Network and Computer Applications, 2022, 200, 103330.	9.1	2
121	The Istella22 Dataset. , 2022, , .		2
122	An MPI-based run-time support to coordinate HPF tasks. Lecture Notes in Computer Science, 1998, , 289-296.	1.3	1
123	Parallel Genetic Algorithms for Hypercube Machines. Lecture Notes in Computer Science, 1999, , 691-704.	1.3	1
124	Search shortcuts using click-through data. , 2009, , .		1
125	Manual Annotation of Semi-Structured Documents for Entity-Linking. , 2014, , .		1
126	Item-driven group formation. Online Social Networks and Media, 2018, 8, 17-31.	3.6	1

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127	Boosting learning to rank with user dynamics and continuation methods. Information Retrieval, 2020, 23, 528-554.	2.0	1
128	Supervised Evaluation of Top-k Itemset Mining Algorithms. Lecture Notes in Computer Science, 2015, , 82-94.	1.3	1
129	A Highly Scalable Parallel Caching System for Web Search Engine Results. Lecture Notes in Computer Science, 2004, , 347-354.	1.3	1
130	Mining Frequent Closed Itemsets from Distributed Repositories. , 2007, , 221-234.		1
131	On designing Genetic Algorithms for hypercube machines. Lecture Notes in Computer Science, 1997, , 980-981.	1.3	0
132	A mapping heuristic for minimizing network contention. Journal of Systems Architecture, 1998, 45, 65-82.	4.3	0
133	SUPPLE: An efficient run-time support for non-uniform parallel loops. Journal of Systems Architecture, 1999, 45, 1323-1343.	4.3	0
134	PQE HPF-a library for exploiting the capabilities of a PQE-1 heterogeneous parallel architecture. , 0, , .		0
135	Integrating HPF in a skeleton based parallel language. , 0, , .		0
136	Multi-FPGA Systems Synthesis by Means of Evolutionary Computation. Lecture Notes in Computer Science, 2003, , 2109-2120.	1.3	0
137	Topic 3: Scheduling and Load Balancing. Lecture Notes in Computer Science, 2004, , 220-221.	1.3	0
138	InfoScale 2008: The Third International ICST Conference on Scalable Information Systems. , 2008, , .		0
139	Scheduling and Load Balancing. Lecture Notes in Computer Science, 2010, , 156-156.	1.3	0
140	A load balancing strategy for iterated parallel loop scheduling. Lecture Notes in Computer Science, 1996, , 978-979.	1.3	0
141	A Coordination Layer for Exploiting Task Parallelism with HPF. Lecture Notes in Computer Science, 1998, , 386-393.	1.3	0
142	Evaluating Top-K Approximate Patterns via Text Clustering. Lecture Notes in Computer Science, 2016, , 114-127.	1.3	0
143	Crowdsourced Social Data for Recommending Tourist Itineraries. , 2017, , 1-10.		0
144	Crowdsourced Social Data for Recommending Tourist Itineraries. , 2018, , 490-499.		0

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145	Report on LEARNER 2017. ACM SIGIR Forum, 2018, 51, 145-151.	0.5	0
146	A Co-occurrence Based Approach for Mining Overlapped Co-clusters in Binary Data. Lecture Notes in Computer Science, 2021, , 375-389.	1.3	0