# Raffaele Perego

List of Publications by Year
in descending order

| | | |
|---|---|---|
| **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 | Dynamic hard pruning of Neural Networks at the edge of the internet. Journal of Network and Computer Applications, 2022, 200, 103330. | 9.1 | 2 |
| 2 | The Istella22 Dataset. , 2022, , . | | 2 |
| 3 | ILMART: Interpretable Ranking with Constrained LambdaMART. , 2022, , . | | 5 |
| 4 | Compressed Indexes for Fast Search of Semantic Data. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3187-3198. | 5.7 | 12 |
| 5 | Weighting Passages Enhances Accuracy. ACM Transactions on Information Systems, 2021, 39, 1-11. | 4.9 | 2 |
| 6 | Hierarchical Dependence-aware Evaluation Measures for Conversational Search. , 2021, , . | | 4 |
| 7 | Learning Early Exit Strategies for Additive Ranking Ensembles. , 2021, , . | | 3 |
| 8 | Efficient traversal of decision tree ensembles with FPGAs. Journal of Parallel and Distributed Computing, 2021, 155, 38-49. | 4.1 | 4 |
| 9 | Adaptive utterance rewriting for conversational search. Information Processing and Management, 2021, 58, 102682. | 8.6 | 10 |
| 10 | A Co-occurrence Based Approach for Mining Overlapped Co-clusters in Binary Data. Lecture Notes in Computer Science, 2021, , 375-389. | 1.3 | 0 |
| 11 | Boosting learning to rank with user dynamics and continuation methods. Information Retrieval, 2020, 23, 528-554. | 2.0 | 1 |
| 12 | Leveraging feature selection to detect potential tax fraudsters. Expert Systems With Applications, 2020, 145, 113128. | 7.6 | 11 |
| 13 | RankEval: Evaluation and investigation of ranking models. SoftwareX, 2020, 12, 100614. | 2.6 | 2 |
| 14 | Topical result caching in web search engines. Information Processing and Management, 2020, 57, 102193. | 8.6 | 3 |
| 15 | Efficient Document Re-Ranking for Transformers by Precomputing Term Representations. , 2020, , . | | 53 |
| 16 | Training Curricula for Open Domain Answer Re-Ranking. , 2020, , . | | 10 |
| 17 | Query-level Early Exit for Additive Learning-to-Rank Ensembles. , 2020, , . | | 3 |
| 18 | Topic Propagation in Conversational Search. , 2020, , . | | 16 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Parallel Traversal of Large Ensembles of Decision Trees. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2075-2089. | 5.6 | 11 |
| 20 | Event attendance classification in social media. Information Processing and Management, 2019, 56, 687-703. | 8.6 | 22 |
| 21 | SEL: A unified algorithm for salient entity linking. Computational Intelligence, 2018, 34, 2-29. | 3.2 | 6 |
| 22 | Item-driven group formation. Online Social Networks and Media, 2018, 8, 17-31. | 3.6 | 1 |
| 23 | Continuation Methods and Curriculum Learning for Learning to Rank. , 2018, , . | | 9 |
| 24 | X-CLE <scp>a</scp> VER. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-26. | 4.5 | 8 |
| 25 | Efficient and Effective Query Expansion for Web Search. , 2018, , . | | 8 |
| 26 | Selective Gradient Boosting for Effective Learning to Rank. , 2018, , . | | 12 |
| 27 | Dataset Popularity Prediction for Caching of CMS Big Data. Journal of Grid Computing, 2018, 16, 211-228. | 3.9 | 13 |
| 28 | Boosting Ride Sharing With Alternative Destinations. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2290-2300. | 8.0 | 24 |
| 29 | The Dagstuhl Perspectives Workshop on Performance Modeling and Prediction. ACM SIGIR Forum, 2018, 52, 91-101. | 0.5 | 8 |
| 30 | Crowdsourced Social Data for Recommending Tourist Itineraries. , 2018, , 490-499. | | 0 |
| 31 | Report on LEARNER 2017. ACM SIGIR Forum, 2018, 51, 145-151. | 0.5 | 0 |
| 32 | Fast Ranking with Additive Ensembles of Oblivious and Non-Oblivious Regression Trees. ACM Transactions on Information Systems, 2017, 35, 1-31. | 4.9 | 53 |
| 33 | RankEval. , 2017, , . | | 7 |
| 34 | X-DART. , 2017, , . | | 14 |
| 35 | Perception of social phenomena through the multidimensional analysis of online social networks. Online Social Networks and Media, 2017, 1, 14-32. | 3.6 | 19 |
| 36 | Social Media Image Recognition for Food Trend Analysis. , 2017, , . | | 16 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | LEARning Next gEneration Rankers (LEARNER 2017). , 2017, , . | | 2 |
| 38 | Multicore/Manycore Parallel Traversal of Large Forests of Regression Trees. , 2017, , . | | 2 |
| 39 | On Including the User Dynamic in Learning to Rank. , 2017, , . | | 6 |
| 40 | QuickScorer: Efficient Traversal of Large Ensembles of Decision Trees. Lecture Notes in Computer Science, 2017, , 383-387. | 1.3 | 4 |
| 41 | Crowdsourced Social Data for Recommending Tourist Itineraries. , 2017, , 1-10. | | 0 |
| 42 | Exploiting photo location and direction for clustering-based points-of-interest discovery. , 2017, , . | | 2 |
| 43 | Sentiment-enhanced multidimensional analysis of online social networks: Perception of the mediterranean refugees crisis. , 2016, , . | | 15 |
| 44 | Quality versus efficiency in document scoring with learning-to-rank models. Information Processing and Management, 2016, 52, 1161-1177. | 8.6 | 41 |
| 45 | Post-Learning Optimization of Tree Ensembles for Efficient Ranking. , 2016, , . | | 35 |
| 46 | Fast Feature Selection for Learning to Rank. , 2016, , . | | 15 |
| 47 | Polarized User and Topic Tracking in Twitter. , 2016, , . | | 6 |
| 48 | The ComeWithMe System for Searching and Ranking Activity-Based Carpooling Rides. , 2016, , . | | 3 |
| 49 | Exploiting CPU SIMD Extensions to Speed-up Document Scoring with Tree Ensembles. , 2016, , . | | 20 |
| 50 | Group Finder: An Item-Driven Group Formation Framework. , 2016, , . | | 4 |
| 51 | Evaluating Top-K Approximate Patterns via Text Clustering. Lecture Notes in Computer Science, 2016, , 114-127. | 1.3 | 0 |
| 52 | MIDAS: a cloud platform for SOA testing as a service. International Journal of High Performance Computing and Networking, 2015, 8, 285. | 0.4 | 7 |
| 53 | Speeding up Document Ranking with Rank-based Features. , 2015, , . | | 6 |
| 54 | Planning sightseeing tours using crowdsensed trajectories. SIGSPATIAL Special, 2015, 7, 59-66. | 2.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 55 | QuickScorer. , 2015, , . | | 44 |
| 56 | On planning sightseeing tours with TripBuilder. Information Processing and Management, 2015, 51, 1-15. | 8.6 | 94 |
| 57 | Supervised Evaluation of Top-k Itemset Mining Algorithms. Lecture Notes in Computer Science, 2015, , 82-94. | 1.3 | 1 |
| 58 | A Unifying Framework for Mining Approximate Top-&lt;inline-formula&gt; &lt;tex-math notation="LaTeX"&gt;$k$ &lt;/tex-math&gt; &lt;/inline-formula&gt; Binary Patterns. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2900-2913. | 5.7 | 40 |
| 59 | A SOA Testing Platform on the Cloud: The MIDAS Experience. , 2014, , . | | 4 |
| 60 | Manual Annotation of Semi-Structured Documents for Entity-Linking. , 2014, , . | | 1 |
| 61 | TripBuilder: A Tool for Recommending Sightseeing Tours. Lecture Notes in Computer Science, 2014, , 771-774. | 1.3 | 20 |
| 62 | Load-sensitive selective pruning for distributed search. , 2013, , . | | 10 |
| 63 | Where shall we go today?. , 2013, , . | | 61 |
| 64 | When entities meet query recommender systems. , 2013, , . | | 2 |
| 65 | Dexter. , 2013, , . | | 43 |
| 66 | Discovering tasks from search engine query logs. ACM Transactions on Information Systems, 2013, 31, 1-43. | 4.9 | 49 |
| 67 | Learning relatedness measures for entity linking. , 2013, , . | | 55 |
| 68 | Query Processing in Highly-Loaded Search Engines. Lecture Notes in Computer Science, 2013, , 49-55. | 1.3 | 2 |
| 69 | Efficient query recommendations in the long tail via center-piece subgraphs. , 2012, , . | | 34 |
| 70 | You should read this! let me explain you why. , 2012, , . | | 12 |
| 71 | Similarity caching in large-scale image retrieval. Information Processing and Management, 2012, 48, 803-818. | 8.6 | 19 |
| 72 | Generating suggestions for queries in the long tail with an inverted index. Information Processing and Management, 2012, 48, 326-339. | 8.6 | 27 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 73 | How Random Walks Can Help Tourism. Lecture Notes in Computer Science, 2012, , 195-206. | 1.3 | 30 |
| 74 | Efficient diversification of web search results. Proceedings of the VLDB Endowment, 2011, 4, 451-459. | 3.8 | 51 |
| 75 | Identifying task-based sessions in search engine query logs. , 2011, , . | | 96 |
| 76 | Caching query-biased snippets for efficient retrieval. , 2011, , . | | 18 |
| 77 | Efficient diversification of search results using query logs. , 2011, , . | | 5 |
| 78 | Recommendations for the long tail by term-query graph. , 2011, , . | | 9 |
| 79 | Building a web-scale image similarity search system. Multimedia Tools and Applications, 2010, 47, 599-629. | 3.9 | 92 |
| 80 | Mining Top-K Patterns from Binary Datasets in presence of Noise. , 2010, , . | | 28 |
| 81 | Detecting Task-Based Query Sessions Using Collaborative Knowledge. , 2010, , . | | 3 |
| 82 | An Incremental Prefix Filtering Approach for the All Pairs Similarity Search Problem. , 2010, , . | | 2 |
| 83 | Tuning the capacity of search engines. ACM Transactions on Information Systems, 2010, 28, 1-36. | 4.9 | 29 |
| 84 | On Using Query Logs for Static Index Pruning. , 2010, , . | | 4 |
| 85 | A generative pattern model for mining binary datasets. , 2010, , . | | 7 |
| 86 | Scheduling and Load Balancing. Lecture Notes in Computer Science, 2010, , 156-156. | 1.3 | 0 |
| 87 | Search shortcuts using click-through data. , 2009, , . | | 1 |
| 88 | Search shortcuts. , 2009, , . | | 20 |
| 89 | Aging effects on query flow graphs for query suggestion. , 2009, , . | | 20 |
| 90 | Caching content-based queries for robust and efficient image retrieval. , 2009, , . | | 15 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 91 | A constraint-based querying system for exploratory pattern discovery. Information Systems, 2009, 34, 3-27. | 3.6 | 22 |
| 92 | Entry Pairing in Inverted File. Lecture Notes in Computer Science, 2009, , 511-522. | 1.3 | 6 |
| 93 | Search shortcuts. , 2009, , . | | 3 |
| 94 | (Query) History Teaches Everything, Including the Future. , 2008, , . | | 3 |
| 95 | A metric cache for similarity search. , 2008, , . | | 33 |
| 96 | InfoScale 2008: The Third International ICST Conference on Scalable Information Systems. , 2008, , . | | 0 |
| 97 | Parallel Mining of Frequent Closed Patterns: Harnessing Modern Computer Architectures. , 2007, , . | | 20 |
| 98 | Mining Query Logs to Optimize Index Partitioning in Parallel Web Search Engines. , 2007, , . | | 13 |
| 99 | Load-Balancing and Caching for Collection Selection Architectures. , 2007, , . | | 6 |
| 100 | Mining Frequent Closed Itemsets from Distributed Repositories. , 2007, , 221-234. | | 1 |
| 101 | Fast and memory efficient mining of frequent closed itemsets. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 21-36. | 5.7 | 184 |
| 102 | Boosting the performance of Web search engines. ACM Transactions on Information Systems, 2006, 24, 51-78. | 4.9 | 167 |
| 103 | Mining frequent closed itemsets out of core. , 2006, , . | | 5 |
| 104 | ConQueSt: a Constraint-based Querying System for Exploratory Pattern Discovery. , 2006, , . | | 16 |
| 105 | On Interactive Pattern Mining from Relational Databases. , 2006, , 42-62. | | 9 |
| 106 | Assigning identifiers to documents to enhance the clustering property of fulltext indexes. , 2004, , . | | 35 |
| 107 | Assigning document identifiers to enhance compressibility of Web Search Engines indexes. , 2004, , . | | 21 |
| 108 | A new algorithm for gap constrained sequence mining. , 2004, , . | | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Statistical properties of transactional databases. , 2004, , . | | 14 |
| 110 | WINGS: A Parallel Indexer for Web Contents. Lecture Notes in Computer Science, 2004, , 263-270. | 1.3 | 5 |
| 111 | Topic 3: Scheduling and Load Balancing. Lecture Notes in Computer Science, 2004, , 220-221. | 1.3 | 0 |
| 112 | A Highly Scalable Parallel Caching System for Web Search Engine Results. Lecture Notes in Computer Science, 2004, , 347-354. | 1.3 | 1 |
| 113 | An Efficient Parallel and Distributed Algorithm for Counting Frequent Sets. Lecture Notes in Computer Science, 2003, , 421-435. | 1.3 | 11 |
| 114 | AssistConf: a Grid configuration tool for the ASSIST parallel programming environment. , 2003, , . | | 15 |
| 115 | Multi-FPGA Systems Synthesis by Means of Evolutionary Computation. Lecture Notes in Computer Science, 2003, , 2109-2120. | 1.3 | 0 |
| 116 | Scheduling High Performance Data Mining Tasks on a Data Grid Environment. Lecture Notes in Computer Science, 2002, , 375-384. | 1.3 | 22 |
| 117 | A hybrid heuristic for the traveling salesman problem. IEEE Transactions on Evolutionary Computation, 2001, 5, 613-622. | 10.0 | 156 |
| 118 | Enhancing the Apriori Algorithm for Frequent Set Counting. Lecture Notes in Computer Science, 2001, , 71-82. | 1.3 | 51 |
| 119 | A Parallel Hybrid Heuristic for the TSP. Lecture Notes in Computer Science, 2001, , 193-202. | 1.3 | 6 |
| 120 | Mixed data and task parallelism with HPF and PVM. Cluster Computing, 2000, 3, 201-213. | 5.0 | 2 |
| 121 | Coordinating HPF programs to mix task and data parallelism. , 2000, , . | | 4 |
| 122 | SUPPLE: An efficient run-time support for non-uniform parallel loops. Journal of Systems Architecture, 1999, 45, 1323-1343. | 4.3 | 0 |
| 123 | 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 |
| 124 | Parallel Genetic Algorithms for Hypercube Machines. Lecture Notes in Computer Science, 1999, , 691-704. | 1.3 | 1 |
| 125 | A Comparison of Implementation Strategies for Nonuniform Data-Parallel Computations. Journal of Parallel and Distributed Computing, 1998, 52, 132-149. | 4.1 | 3 |
| 126 | A mapping heuristic for minimizing network contention. Journal of Systems Architecture, 1998, 45, 65-82. | 4.3 | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 127 | An MPI-based run-time support to coordinate HPF tasks. Lecture Notes in Computer Science, 1998, , 289-296. | 1.3 | 1 |
| 128 | A Coordination Layer for Exploiting Task Parallelism with HPF. Lecture Notes in Computer Science, 1998, , 386-393. | 1.3 | 0 |
| 129 | On designing Genetic Algorithms for hypercube machines. Lecture Notes in Computer Science, 1997, , 980-981. | 1.3 | 0 |
| 130 | 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 |
| 131 | Exploiting partial replication in unbalanced parallel loop scheduling on multicomputer. Microprocessing and Microprogramming, 1996, 41, 645-658. | 0.2 | 4 |
| 132 | A template for non-uniform parallel loops based on dynamic scheduling and prefetching techniques. , 1996, , . | | 5 |
| 133 | A load balancing strategy for iterated parallel loop scheduling. Lecture Notes in Computer Science, 1996, , 978-979. | 1.3 | 0 |
| 134 | Evaluation of parallelization strategies for an incremental Delaunay triangulator in e3. Concurrency and Computation: Practice and Experience, 1995, 7, 61-80. | 0.5 | 18 |
| 135 | Parallel rendering of volumetric data set on distributed-memory architectures. Concurrency and Computation: Practice and Experience, 1993, 5, 153-167. | 0.5 | 6 |
| 136 | Where are embarrassingly parallel problems? The atom-diatom quasiclassical reactivity. Theoretica Chimica Acta, 1993, 84, 413-421. | 0.8 | 10 |
| 137 | Parallel 3D Delaunay Triangulation. Computer Graphics Forum, 1993, 12, 129-142. | 3.0 | 50 |
| 138 | Parallel volume visualization on a hypercube architecture. , 1992, , . | | 37 |
| 139 | A massively parallel approach to the quasiclassical reactive scattering. Journal of Mathematical Chemistry, 1992, 11, 1-11. | 1.5 | 3 |
| 140 | D+D 2 Quasiclassical rate constant calculations on parallel computers. Theoretica Chimica Acta, 1991, 79, 323-333. | 0.8 | 8 |
| 141 | Minimizing network contention for mapping tasks onto massively parallel computers. , 0, , . | | 2 |
| 142 | PQE HPF-a library for exploiting the capabilities of a PQE-1 heterogeneous parallel architecture. , 0, , . | | 0 |
| 143 | A parallel compact genetic algorithm for multi-FPGA partitioning. , 0, , . | | 10 |
| 144 | Integrating HPF in a skeleton based parallel language. , 0, , . | | 0 |

| #   | Article                                                                                                          | IF  | Citations |
|-----|----------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Adaptive and resource-aware mining of frequent sets. , 0, , .                                                   |     | 50        |
| 146 | MATâ€Index: An index for fast multiple aspect trajectory similarity measuring. Transactions in GIS, 0, , .      | 2.3 | 2         |