

# Gianluigi Greco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5171834/publications.pdf>

Version: 2024-02-01

92  
papers

1,506  
citations

471371

17  
h-index

395590

33  
g-index

103  
all docs

103  
docs citations

103  
times ranked

740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering expressive process models by clustering log traces. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 1010-1027.	4.0	262
2	Process Mining Based on Clustering: A Quest for Precision. Lecture Notes in Computer Science, 2008, , 17-29.	1.0	75
3	Mining usage scenarios in business processes: Outlier-aware discovery and run-time prediction. Data and Knowledge Engineering, 2011, 70, 1005-1029.	2.1	54
4	A Logic Programming Approach to the Integration, Repairing and Querying of Inconsistent Databases. Lecture Notes in Computer Science, 2001, , 348-364.	1.0	50
5	The INFOMIX system for advanced integration of incomplete and inconsistent data. , 2005, , .		49
6	Mining and reasoning on workflows. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 519-534.	4.0	45
7	Hypertree Decompositions. , 2016, , .		45
8	Mining taxonomies of process models. Data and Knowledge Engineering, 2008, 67, 74-102.	2.1	42
9	Mining Expressive Process Models by Clustering Workflow Traces. Lecture Notes in Computer Science, 2004, , 52-62.	1.0	40
10	Efficient Evaluation of Logic Programs for Querying Data Integration Systems. Lecture Notes in Computer Science, 2003, , 163-177.	1.0	38
11	Outlier Detection Techniques for Process Mining Applications. , 2008, , 150-159.		37
12	Magic Sets and their application to data integration. Journal of Computer and System Sciences, 2007, 73, 584-609.	0.9	34
13	Repair localization for query answering from inconsistent databases. ACM Transactions on Database Systems, 2008, 33, 1-51.	1.5	34
14	Enhancing the Magic-Set Method for Disjunctive Datalog Programs. Lecture Notes in Computer Science, 2004, , 371-385.	1.0	32
15	On the complexity of core, kernel, and bargaining set. Artificial Intelligence, 2011, 175, 1877-1910.	3.9	30
16	Magic Sets for disjunctive Datalog programs. Artificial Intelligence, 2012, 187-188, 156-192.	3.9	27
17	Process Discovery under Precedence Constraints. ACM Transactions on Knowledge Discovery From Data, 2015, 9, 1-39.	2.5	27
18	Characteristic function games with restricted agent interactions: Core-stability and coalition structures. Artificial Intelligence, 2016, 232, 76-113.	3.9	25

#	ARTICLE	IF	CITATIONS
19	Pure Nash equilibria. , 2003, , .		25
20	Tractable Optimization Problems through Hypergraph-Based Structural Restrictions. Lecture Notes in Computer Science, 2009, , 16-30.	1.0	19
21	An Ontology-Driven Process Modeling Framework. Lecture Notes in Computer Science, 2004, , 13-23.	1.0	18
22	Mining Loosely Structured Motifs from Biological Data. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 1472-1489.	4.0	17
23	Cocustering Multiple Heterogeneous Domains: Linear Combinations and Agreements. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 1649-1663.	4.0	17
24	Web Communities: Models and Algorithms. World Wide Web, 2004, 7, 59-82.	2.7	16
25	On the complexity of combinatorial auctions. , 2007, , .		15
26	Mining unconnected patterns in workflows. Information Systems, 2007, 32, 685-712.	2.4	15
27	Magic Sets and Their Application to Data Integration. Lecture Notes in Computer Science, 2004, , 306-320.	1.0	15
28	Weighted hypertree decompositions and optimal query plans. Journal of Computer and System Sciences, 2007, 73, 475-506.	0.9	14
29	Decomposing combinatorial auctions and set packing problems. Journal of the ACM, 2013, 60, 1-39.	1.8	14
30	Nutrition Education Program and Physical Activity Improve the Adherence to the Mediterranean Diet: Impact on Inflammatory Biomarker Levels in Healthy Adolescents From the DIMENU Longitudinal Study. Frontiers in Nutrition, 2021, 8, 685247.	1.6	13
31	Optimization of bound disjunctive queries with constraints. Theory and Practice of Logic Programming, 2005, 5, 713-745.	1.1	12
32	Outlier detection by logic programming. ACM Transactions on Computational Logic, 2007, 9, 7.	0.7	12
33	Hypertree Decompositions for Query Optimization. , 2007, , .		12
34	Constrained coalition formation on valuation structures: Formal framework, applications, and islands of tractability. Artificial Intelligence, 2017, 249, 19-46.	3.9	12
35	Mining Frequent Instances on Workflows. Lecture Notes in Computer Science, 2003, , 209-221.	1.0	12
36	LTL on Finite and Process Traces: Complexity Results and a Practical Reasoner. Journal of Artificial Intelligence Research, 0, 63, 557-623.	7.0	12

#	ARTICLE	IF	CITATIONS
37	Weighted hypertree decompositions and optimal query plans. , 2004, , .		11
38	Structural tractability of enumerating CSP solutions. Constraints, 2013, 18, 38-74.	0.4	11
39	Treewidth and Hypertree Width. , 2014, , 3-38.		11
40	The power of tree projections. , 2010, , .		10
41	Greedy strategies and larger islands of tractability for conjunctive queries and constraint satisfaction problems. Information and Computation, 2017, 252, 201-220.	0.5	10
42	The Power of Local Consistency in Conjunctive Queries and Constraint Satisfaction Problems. SIAM Journal on Computing, 2017, 46, 1111-1145.	0.8	10
43	Uniform Constraint Satisfaction Problems and Database Theory. Lecture Notes in Computer Science, 2008, , 156-195.	1.0	10
44	A Probabilistic Approach for Distillation and Ranking of Web Pages. World Wide Web, 2001, 4, 189-207.	2.7	9
45	The complexity of mixed multi-unit combinatorial auctions: Tractability under structural and qualitative restrictions. Artificial Intelligence, 2013, 196, 1-25.	3.9	9
46	On the power of structural decompositions of graph-based representations of constraint problems. Artificial Intelligence, 2010, 174, 382-409.	3.9	8
47	H-DB. , 2011, , .		8
48	Frequency-based similarity for parameterized sequences: Formal framework, algorithms, and applications. Information Sciences, 2013, 237, 176-195.	4.0	8
49	Counting solutions to conjunctive queries. , 2014, , .		7
50	Mining Constrained Graphs: The Case of Workflow Systems. Lecture Notes in Computer Science, 2006, , 155-171.	1.0	7
51	Data Integration with Preferences Among Sources. Lecture Notes in Computer Science, 2004, , 231-244.	1.0	6
52	On the complexity of constrained Nash equilibria in graphical games. Theoretical Computer Science, 2009, 410, 3901-3924.	0.5	6
53	The Complexity of the Nucleolus in Compact Games. ACM Transactions on Computation Theory, 2015, 7, 1-52.	0.4	6
54	Tree Projections: Hypergraph Games and Minimality. Lecture Notes in Computer Science, 2008, , 736-747.	1.0	6

#	ARTICLE	IF	CITATIONS
55	Fair division rules for funds distribution: The case of the Italian Research Assessment Program (VQR) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	5
56	Discovering Multi-perspective Process Models: The Case of Loosely-Structured Processes. Lecture Notes in Business Information Processing, 2009, , 130-143.	0.8	5
57	Dynamic Magic Sets for Programs with Monotone Recursive Aggregates. Lecture Notes in Computer Science, 2011, , 148-160.	1.0	5
58	The Complexity of Computing Maximin Share Allocations on Graphs. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2006-2013.	3.6	5
59	Minimal founded semantics for disjunctive logic programs and deductive databases. Theory and Practice of Logic Programming, 2004, 4, 75-93.	1.1	4
60	On the complexity of computing peer agreements for consistent query answering in peer-to-peer data integration systems. , 2005, , .		4
61	Scalable parallel co-clustering over multiple heterogeneous data types. , 2010, , .		4
62	Tree projections and structural decomposition methods: Minimality and game-theoretic characterization. Theoretical Computer Science, 2014, 522, 95-114.	0.5	4
63	Tree projections and constraint optimization problems: Fixed-parameter tractability and parallel algorithms. Journal of Computer and System Sciences, 2018, 94, 11-40.	0.9	4
64	Coalitional games induced by matching problems: Complexity and islands of tractability for the Shapley value. Artificial Intelligence, 2020, 278, 103180.	3.9	4
65	On the complexity of reasoning about opinion diffusion under majority dynamics. Artificial Intelligence, 2020, 284, 103288.	3.9	4
66	Reasoning on Workflow Executions. Lecture Notes in Computer Science, 2003, , 205-219.	1.0	3
67	Solving abduction by computing joint explanations. Annals of Mathematics and Artificial Intelligence, 2007, 50, 143-194.	0.9	3
68	Structural Tractability of Enumerating CSP Solutions. Lecture Notes in Computer Science, 2010, , 236-251.	1.0	3
69	FD-VAE: A Feature Driven VAE Architecture for Flexible Synthetic Data Generation. Lecture Notes in Computer Science, 2020, , 188-197.	1.0	3
70	Protection Techniques from Information Extraction. , 2006, , .		1
71	An Information-Theoretic Framework for Process Structure and Data Mining. International Journal of Data Warehousing and Mining, 2007, 3, 99-119.	0.4	1
72	Simulations on workflow management systems: A framework based on event choice datalog. Intelligenza Artificiale, 2011, 5, 189-206.	1.0	1

#	ARTICLE	IF	CITATIONS
73	Boosting tuple propagation in multi-relational classification. , 2011, , .		1
74	Coalition formation in social environments with logic-based agents1. AI Communications, 2018, 31, 383-407.	0.8	1
75	An Information-Theoretic Framework for Process Structure and Data Mining. Lecture Notes in Computer Science, 2006, , 248-259.	1.0	1
76	Tree Projections: Game Characterization and Computational Aspects. Lecture Notes in Computer Science, 2009, , 217-226.	1.0	1
77	Combinatorial auctions with tractable winner determination. , 2007, 7, 15-18.		1
78	A Logic Framework for the Integration of Databases. Lecture Notes in Computer Science, 2002, , 274-284.	1.0	1
79	Query Optimization of Disjunctive Databases with Constraints through Binding Propagation. Lecture Notes in Computer Science, 2002, , 216-230.	1.0	1
80	Coalition Formation with Logic-Based Agents. Lecture Notes in Computer Science, 2017, , 455-469.	1.0	1
81	Answers set programs for non-transferable utility games: Expressiveness, complexity and applications. Artificial Intelligence, 2022, 302, 103606.	3.9	1
82	Detecting Outliers via Logical Theories and Its Data Complexity. Lecture Notes in Computer Science, 2004, , 101-113.	1.0	0
83	Efficient discovery of loosely structured motifs in biological data. , 2006, , .		0
84	Detecting and repairing anomalous evolutions in noisy environments. Annals of Mathematics and Artificial Intelligence, 2010, 60, 179-228.	0.9	0
85	Methods and techniques for discovering taxonomies of behavioral process models. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 170-189.	4.6	0
86	Complexity and Algorithms for the Matching of Bag and Set Terms. Lecture Notes in Computer Science, 2002, , 137-148.	1.0	0
87	Solving Abduction by Computing Joint Explanations: Logic Programming Formalization, Applications to P2P Data Integration, and Complexity Results. Lecture Notes in Computer Science, 2006, , 116-136.	1.0	0
88	An Information-Theoretic Framework for Process Structure and Data Mining. , 2008, , 810-830.		0
89	L-SME: A System for Mining Loosely Structured Motifs. Lecture Notes in Computer Science, 2011, , 621-625.	1.0	0
90	Control-Flow Business Process Summarization via Activity Contraction. Lecture Notes in Computer Science, 2019, , 238-248.	1.0	0

#	ARTICLE	IF	CITATIONS
91	Detecting and Repairing Anomalous Evolutions in Noisy Environments: Logic Programming Formalization and Complexity Results. , 2006, , 41-50.		0
92	The $\{LP\boxplus\}$ System: Logic Programming Meets Outlier Detection. , 2007, , 254-259.		0