Gennaro Cordasco

List of Publications by Year
in descending order

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129 papers	1,232 citations	567247 15 h-index	677123 22 g-index
138 all docs	138 docs citations	138 times ranked	727 citing authors

#	Article	IF	Citations
1	A Research Agenda for Dementia Care: Prevention, Risk Mitigation and Personalized Interventions. Learning and Analytics in Intelligent Systems, 2022, , 33-42.	0.6	0
2	Synthetic vs Human Emotional Faces: What Changes in Humansâ€™ Decoding Accuracy. IEEE Transactions on Human-Machine Systems, 2022, 52, 390-399.	3.5	1
3	Mood State Detection in Handwritten Tasks Using PCAâ€“mFCBF and Automated Machine Learning. Sensors, 2022, 22, 1686.	3.8	9
4	Dual domination problems in graphs. Journal of Computer and System Sciences, 2022, 128, 18-34.	1.2	1
5	Is On-Line Handwriting Gender-Sensitive? What Tells us aÂCombination ofÂStatistical andÂMachine Learning Approaches. Lecture Notes in Computer Science, 2022, , 287-298.	1.3	2
6	Easy and efficient agent-based simulations with the OpenABL language and compiler. Future Generation Computer Systems, 2021, 116, 61-75.	7.5	5
7	Elder userâ€™s attitude toward assistive virtual agents: the role of voice and gender. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 4429-4436.	4.9	18
8	Other Advanced Research Initiatives in Elderly Care and Fragility Prevention. Research for Development, 2021, , 327-359.	0.4	0
9	Emotional State Recognition Performance Improvement on a Handwriting and Drawing Task. IEEE Access, 2021, 9, 28496-28504.	4.2	10
10	Discriminative Power of EEG-Based Biomarkers in Major Depressive Disorder: A Systematic Review. IEEE Access, 2021, 9, 112850-112870.	4.2	19
11	Social Influence Maximization in Hypergraphs. Entropy, 2021, 23, 796.	2.2	14
12	Intelligent Advanced User Interfaces for Monitoring Mental Health Wellbeing. Lecture Notes in Computer Science, 2021, , 83-95.	1.3	1
13	Advanced Assistive Technologies for Elderly People: A Psychological Perspective on Older Usersâ€™ Needs and Preferences (Part B). Acta Polytechnica Hungarica, 2021, 18, 29-44.	2.9	5
14	Modeling and Evaluating Epidemic Control Strategies With High-Order Temporal Networks. IEEE Access, 2021, 9, 140938-140964.	4.2	3
15	The EMPATHIC Virtual Coach: a demo. , 2021, , .		4
16	A Privacy-Oriented Approach for Depression Signs Detection Based on Speech Analysis. Electronics (Switzerland), 2021, 10, 2986.	3.1	1
17	Emotional Features of Interactions with Empathic Agents. , 2021, , .		4
18	A Lightweight Machine Learning Approach to Detect Depression from Speech Analysis. , 2021, , .		7

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19	Vertex Separation in Networks. , 2021, , .		1
20	Whom to befriend to influence people. Theoretical Computer Science, 2020, 810, 26-42.	0.9	5
21	Fast and frugal targeting with incentives. Theoretical Computer Science, 2020, 812, 62-79.	0.9	3
22	How Human Likeness, Gender and Ethnicity affect Eldersâ€™Acceptance of Assistive Robots. , 2020, , .		12
23	Ethical issues in assistive ambient living technologies for ageing well. Multimedia Tools and Applications, 2020, 79, 36077-36089.	3.9	16
24	Gender Identification through Handwriting: an Online Approach. , 2020, , .		13
25	Analysis of the interaction between elderly people and a simulated virtual coach. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 6125-6140.	4.9	20
26	Toward a domainâ€specific language for scientific workflowâ€based applications on multicloud system. Concurrency Computation Practice and Experience, 2020, 33, e5802.	2.2	5
27	Perfectionism and Burnout During the COVID-19 Crisis: A Two-Wave Cross-Lagged Study. Frontiers in Psychology, 2020, 11, 631994.	2.1	20
28	FLY: A Domain-Specific Language for Scientific Computing on FaaS. Lecture Notes in Computer Science, 2020, , 531-544.	1.3	1
29	Information Diffusion in Complex Networks: A Model Based on Hypergraphs and Its Analysis. Lecture Notes in Computer Science, 2020, , 36-51.	1.3	1
30	â€˜Not only facesâ€™: specialized visual representation of human hands revealed by adaptation. Royal Society Open Science, 2020, 7, 200948.	2.4	2
31	Behavioral Sentiment Analysis of Depressive States. , 2020, , .		12
32	Seniorsâ€™ ability to decode differently aged facial emotional expressions. , 2020, , .		2
33	Iterated Type Partitions. Lecture Notes in Computer Science, 2020, , 195-210.	1.3	5
34	Advanced Assistive Technologies for Elderly People: A Psychological Perspective on Seniorsâ€™ Needs and Preferences (part A). Acta Polytechnica Hungarica, 2020, 17, 163-189.	2.9	18
35	Frontal Left Alpha Activity as an Indicator of Willingness to Interact with Virtual Agents: A pilot study. , 2020, , .		0
36	The EMPATHIC project. , 2019, , .		12

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37	Handwriting and Drawing Features for Detecting Personality Traits. , 2019, , .		7
38	Elders prefer female robots with a high degree of human likeness. , 2019, , .		19
39	Active influence spreading in social networks. Theoretical Computer Science, 2019, 764, 15-29.	0.9	18
40	The MASON Simulation Toolkit: Past, Present, and Future. Lecture Notes in Computer Science, 2019, , 75-86.	1.3	12
41	SimpleHypergraphs.jlâ€"Novel Software Framework for Modelling and Analysis of Hypergraphs. Lecture Notes in Computer Science, 2019, , 115-129.	1.3	6
42	Handwriting and Drawing Features for Detecting Negative Moods. Smart Innovation, Systems and Technologies, 2019, , 73-86.	0.6	7
43	Dual Domination. Lecture Notes in Computer Science, 2019, , 160-174.	1.3	1
44	On Evaluating Rust as a Programming Language for the Future of Massive Agent-Based Simulations. Communications in Computer and Information Science, 2019, , 15-28.	0.5	1
45	Discovering Small Target Sets in Social Networks: A Fast and Effective Algorithm. Algorithmica, 2018, 80, 1804-1833.	1.3	14
46	Distributed simulation optimization and parameter exploration framework for the cloud. Simulation Modelling Practice and Theory, 2018, 83, 108-123.	3.8	10
47	Evangelism in social networks: Algorithms and complexity. Networks, 2018, 71, 346-357.	2.7	15
48	Emotional faces of children and adults: What changes in their perception. , 2018, , .		10
49	Power Poses Affect Risk Tolerance and Skin Conductance Levels. , 2018, , .		2
50	Distributed MASON: A scalable distributed multi-agent simulation environment. Simulation Modelling Practice and Theory, 2018, 89, 15-34.	3.8	15
51	OpenABL: A Domain-Specific Language for Parallel and Distributed Agent-Based Simulations. Lecture Notes in Computer Science, 2018, , 505-518.	1.3	12
52	A Layered Architecture for Open Data. , 2018, , .		2
53	Seniorsâ€™ Sensing of Agentsâ€™ Personality from Facial Expressions. Lecture Notes in Computer Science, 2018, , 438-442.	1.3	7
54	Effects of Gender and Luminance Backgrounds on the Recognition of Neutral Facial Expressions. Smart Innovation, Systems and Technologies, 2018, , 315-325.	0.6	1

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55	Time-Bounded Influence Diffusion with Incentives. Lecture Notes in Computer Science, 2018, , 280-295.	1.3	0
56	EMOTHAW: A Novel Database for Emotional State Recognition From Handwriting and Drawing. IEEE Transactions on Human-Machine Systems, 2017, 47, 273-284.	3.5	69
57	Increasing Public Value through Co-Creation of Open Knowledge. , 2017, , .		6
58	Work Partitioning on Parallel and Distributed Agent-Based Simulation. , 2017, , .		2
59	Online region computations for Euler diagrams with relaxed drawing conventions. Journal of Visual Languages and Computing, 2017, 38, 18-37.	1.8	0
60	Datalet-Ecosystem Provider (DEEP): Scalable Architecture for Reusable, Portable and User-Friendly Visualizations of Open Data. , 2017, , .		3
61	How Traders' Appearances and Moral Descriptions Influence Receivers' Choices in the Ultimatum Game. , 2017, , .		0
62	D-Mason on the Cloud: An Experience with Amazon Web Services. Lecture Notes in Computer Science, 2017, , 322-333.	1.3	3
63	Multi-level dynamo and opinion spreading. Mathematical Structures in Computer Science, 2017, 27, 234-256.	0.6	1
64	Engaging Citizens with a Social Platform for Open Data. , 2017, , .		13
65	Space-Optimal Proportion Consensus withÂPopulation Protocols. Lecture Notes in Computer Science, 2017, , 384-398.	1.3	7
66	An Architecture for Social Sharing and Collaboration around Open Data Visualisations. , 2016, , .		6
67	SOF: Zero Configuration Simulation Optimization Framework on the Cloud. , 2016, , .		4
68	On finding small sets that influence large networks. Social Network Analysis and Mining, 2016, 6, 1.	2.8	13
69	Evangelism in Social Networks. Lecture Notes in Computer Science, 2016, , 96-108.	1.3	3
70	Toward the New Version of D-MASON: Efficiency, Effectiveness and Correctness in Parallel and Distributed Agent-Based Simulations. , 2016, , .		8
71	Recent Advances in Nonlinear Speech Processing: Directions and Challenges. Smart Innovation, Systems and Technologies, 2016, , 5-11.	0.6	1
72	Fostering transparency and participation in the data-based society: A sustainable architecture for a social platform for Open Data. , 2015, , .		1

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73	Spread of influence in weighted networks under time and budget constraints. Theoretical Computer Science, 2015, 586, 40-58.	0.9	26
74	Influence Propagation over Large Scale Social Networks. , 2015, , .		10
75	An AREA-Oriented Heuristic for Scheduling DAGs on Volatile Computing Platforms. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2164-2177.	5.6	12
76	Optimizing Spread of Influence in Social Networks via Partial Incentives. Lecture Notes in Computer Science, 2015, , 119-134.	1.3	15
77	A Fast and Effective Heuristic for Discovering Small Target Sets in Social Networks. Lecture Notes in Computer Science, 2015, , 193-208.	1.3	10
78	On Evaluating Graph Partitioning Algorithms for Distributed Agent Based Models on Networks. Lecture Notes in Computer Science, 2015, , 367-378.	1.3	8
79	ON SCHEDULING SERIES-PARALLEL DAGs TO MAXIMIZE AREA. International Journal of Foundations of Computer Science, 2014, 25, 597-621.	1.1	17
80	Assessing Voice User Interfaces: The vassist system prototype. , 2014, , .		21
81	Latency-bounded target set selection in social networks. Theoretical Computer Science, 2014, 535, 1-15.	0.9	40
82	Exploiting D-Mason on Parallel Platforms: A Novel Communication Strategy. Lecture Notes in Computer Science, 2014, , 407-417.	1.3	9
83	Communication Strategies in Distributed Agent-Based Simulations: The Experience with D-Mason. Lecture Notes in Computer Science, 2014, , 533-543.	1.3	11
84	Supporting the Exploratory Nature of Simulations in D-Mason. Lecture Notes in Computer Science, 2014, , 555-564.	1.3	1
85	D-MASON: A Short Tutorial. Lecture Notes in Computer Science, 2014, , 490-500.	1.3	1
86	The Influence of Positive and Negative Emotions on Physiological Responses and Memory Task Scores. Smart Innovation, Systems and Technologies, 2014, , 315-323.	0.6	1
87	Youtube emotional database: How to acquire user feedback to build a database of emotional video stimuli. , 2013, , .		2
88	Designing computational steering facilities for distributed agent based simulations. , 2013, , .		9
89	Bringing together efficiency and effectiveness in distributed simulations: The experience with D-Mason. Simulation, 2013, 89, 1236-1253.	1.8	36
90	Latency-Bounded Target Set Selection in Social Networks. Lecture Notes in Computer Science, 2013, , 65-77.	1.3	9

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91	Label propagation algorithm: a semi-synchronous approach. International Journal of Social Network Mining, 2012, 1, 3.	0.2	25
92	On scheduling dag s for volatile computing platforms: Area-maximizing schedules. Journal of Parallel and Distributed Computing, 2012, 72, 1347-1360.	4.1	18
93	A Framework for Distributing Agent-Based Simulations. Lecture Notes in Computer Science, 2012, , 460-470.	1.3	28
94	On clustering DAGs for task-hungry computing platforms. Open Computer Science, 2011, 1, .	1.7	4
95	Efficient on-line algorithms for Euler diagram region computation. Computational Geometry: Theory and Applications, 2011, 44, 52-68.	0.5	8
96	Distributed Load Balancing for Parallel Agent-Based Simulations. , 2011, , .		37
97	Assessing the Computational Benefits of AREA-Oriented DAG-Scheduling. Lecture Notes in Computer Science, 2011, , 180-192.	1.3	12
98	Personalised Resource Categorisation Using Euler Diagrams. Lecture Notes in Computer Science, 2011, , 251-257.	1.3	0
99	Extending IC-scheduling via the Sweep Algorithm. Journal of Parallel and Distributed Computing, 2010, 70, 201-211.	4.1	14
100	Community detection via semi-synchronous label propagation algorithms. , 2010, , .		64
101	Area-Maximizing Schedules for Series-Parallel DAGs. Lecture Notes in Computer Science, 2010, , 380-392.	1.3	8
102	Improved Load Balancing on Distributed Massive Simulation Environments. Lecture Notes in Computer Science, 2010, , 553-562.	1.3	0
103	On scheduling dags to maximize area. , 2009, , .		7
104	Some considerations on the design of a P2P infrastructure for massive simulations. , 2009, , .		4
105	Relaxed-2-Chord: Efficiency, flexibility and provable stretch. , 2009, , .		2
106	Navigable Small-World networks with few random bits. Theoretical Computer Science, 2009, 410, 4975-4988.	0.9	0
107	Degree-Optimal Routing for P2P Systems. Theory of Computing Systems, 2009, 45, 43-63.	1.1	5
108	Interactive visual classification with Euler diagrams. , 2009, , .		7

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109	Fâ€Chord: Improved uniform routing on Chord. Networks, 2008, 52, 325-332.	2.7	16
110	Optimizing the finger tables in Chordâ€like DHTs. Concurrency Computation Practice and Experience, 2008, 20, 643-657.	2.2	8
111	Load Balancing in Mesh-like Computations using Prediction Binary Trees. , 2008, , .		2
112	Extending IC-Scheduling via the Sweep Algorithm. , 2008, , .		4
113	On Clustering Tasks in IC-Optimal Dags. , 2008, , .		3
114	Advances in IC-Scheduling Theory: Scheduling Expansive and Reductive Dags and Scheduling Dags via Duality. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 1607-1617.	5.6	18
115	PON: Exploiting Proximity on Overlay Networks. , 2007, , .		1
116	Applying IC-Scheduling Theory to Familiar Classes of Computations. , 2007, , .		18
117	Bounded-Collision Memory-Mapping Schemes for Data Structures with Applications to Parallel Memories. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 973-982.	5.6	18
118	Architecture of a p2p distributed adaptive directory. , 2004, , .		3
119	F-Chord: Improved Uniform Routing on Chord. Lecture Notes in Computer Science, 2004, , 89-98.	1.3	15
120	A P2P Distributed Adaptive Directory. Lecture Notes in Computer Science, 2004, , 44-54.	1.3	1
121	c-Perfect Hashing Schemes for Binary Trees, with Applications to Parallel Memories. Lecture Notes in Computer Science, 2003, , 911-916.	1.3	1
122	Overlay networks with class. , 0, , .		3
123	Degree-Optimal Deterministic Routing for P2P Systems. , 0, , .		8
124	2-Chord Halved. , 0, , .		14
125	Towards conversational technology to promote, monitor and protect mental health. , 0, , .		1
126	The Dependability of Voice on Eldersâ€™ Acceptance of Humanoid Agents. , 0, , .		17

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127	Analyzing, Exploring, and Visualizing Complex Networks via Hypergraphs using SimpleHypergraphs.jl. Internet Mathematics, 0, , .	0.7	5
128	Age and gender effects on the humanâ€™s ability to decode posed and naturalistic emotional faces. Pattern Analysis and Applications, 0, , 1.	4.6	0
129	Humanoid and android robots in the imaginary of adolescents, young adults and seniors. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	2