Ronaldo Menezes

List of Publications by Year in Descending Order

116 papers	945 citations	12 h-index	28 g-index
151 ext. papers	1,236 ext. citations	2.3 avg, IF	4.36 L-index

#	Paper	IF	Citations
116	Beyond exploitation: Measuring the impact of local search in swarm-based memetic algorithms through the interactions of individuals in the population. *Swarm and Evolutionary Computation*, **2022**, 70, 101040	9.8	0
115	Differences in the spatial landscape of urban mobility: Gender and socioeconomic perspectives.. *PLoS ONE*, **2022**, 17, e0260874	3.7	2
114	Contrasting social and non-social sources of predictability in human mobility.. *Nature Communications*, **2022**, 13, 1922	17.4	1
113	Uncovering the social interaction network in swarm intelligence algorithms. *Applied Network Science*, **2020**, 5,	2.9	3
112	A Longitudinal Analysis of Vocabulary Changes in Social Media. *Springer Proceedings in Complexity*, **2020**, 212-221	0.3	
111	Gender Patterns of Human Mobility in Colombia: Reexamining Ravenstein Laws of Migration. *Springer Proceedings in Complexity*, **2020**, 269-281	0.3	2
110	Network-Based Delineation of Health Service Areas: A Comparative Analysis of Community Detection Algorithms. *Springer Proceedings in Complexity*, **2020**, 359-370	0.3	1
109	Uncovering the differences and similarities between physical and virtual mobility. *Journal of the Royal Society Interface*, **2020**, 17, 20200250	4.1	1
108	A Data-Driven Social Network Intervention for Improving Organ Donation Awareness Among Minorities: Analysis and Optimization of a Cross-Sectional Study. *Journal of Medical Internet Research*, **2020**, 22, e14605	7.6	6
107	Short Text Tagging Using Nested Stochastic Block Model: A Yelp Case Study. *Studies in Computational Intelligence*, **2020**, 822-833	0.8	
106	Characterizing the Dynamics of Academic Affiliations: A Network Science Approach. *Springer Proceedings in Complexity*, **2020**, 393-404	0.3	1
105	Communities of Human Migration in Social Media: An Experiment in Social Sensing. *Springer Proceedings in Complexity*, **2020**, 222-232	0.3	
104	Characterizing the Social Interactions in the Artificial Bee Colony Algorithm **2019**,		2
103	An Approach for Thematic Relevance Analysis Applied to Textual Contributions in Discussion Forums. *International Journal of Distance Education Technologies*, **2019**, 17, 37-51	1.1	1
102	A data-driven network approach for characterization of political parties ideology dynamics. *Applied Network Science*, **2019**, 4,	2.9	4
101	Unveiling the Interplay between the TLR4/MD2 Complex and HSP70 in the Human Cardiovascular System: A Computational Approach. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	16
100	Social Media Vocabulary Reveals Education Attainment of Populations. *Springer Proceedings in Complexity*, **2019**, 157-168	0.3	2

99	Modelling the Social Interactions in Ant Colony Optimization. *Lecture Notes in Computer Science*, **2019**, 216-224	0.9	1
98	Entropy in Network Community as an Indicator of Language Structure in Emoji Usage: A Twitter Study Across Various Thematic Datasets. *Studies in Computational Intelligence*, **2019**, 328-337	0.8	1
97	Complex Networks Reveal a Glottochronological Classification of Natural Languages. *Springer Proceedings in Complexity*, **2018**, 209-219	0.3	
96	Towards evidence of long-range correlations in shallow seismic activities. *Europhysics Letters*, **2018**, 121, 58003	1.6	8
95	Human mobility: Models and applications. *Physics Reports*, **2018**, 734, 1-74	27.7	308
94	Representing Emoji Usage Using Directed Networks: A Twitter Case Study. *Studies in Computational Intelligence*, **2018**, 829-842	0.8	1
93	On the Performance of Network Science Metrics as Long-Term Investment Strategies in Stock Markets. *Studies in Computational Intelligence*, **2018**, 1053-1064	0.8	1
92	Weighted Multi-resource Minority Games. *Studies in Computational Intelligence*, **2018**, 285-305	0.8	
91	Author Attribution Using Network Motifs. *Springer Proceedings in Complexity*, **2018**, 199-207	0.3	3
90	Multi-resource Minority Games: Redefining the Game. *Lecture Notes in Networks and Systems*, **2018**, 186-203	0.3	
89	Spatio-temporal variations in the urban rhythm: the travelling waves of crime. *EPJ Data Science*, **2018**, 7,	3.4	12
88	On the effect of human mobility to the design of metropolitan mobile opportunistic networks of sensors. *Pervasive and Mobile Computing*, **2017**, 38, 215-232	3.5	12
87	Characterizing Organ Donation Awareness from Social Media **2017**,		4
86	Better exploration-exploitation pace, better swarm: Examining the social interactions **2017**,		5
85	Assessing the suitability of network community detection to available meta-data using rank stability **2017**,		8
84	Tippers and stiffers: An analysis of tipping behavior in taxi trips **2017**,		2
83	Mining location information from users' spatio-temporal data **2017**,		1
82	The scaling of crime concentration in cities. *PLoS ONE*, **2017**, 12, e0183110	3.7	23

81	Understanding Subject-Based Emoji Usage Using Network Science. *Springer Proceedings in Complexity*, **2017**, 151-159	0.3	3
80	Characterization of Written Languages Using Structural Features from Common Corpora. *Springer Proceedings in Complexity*, **2017**, 161-173	0.3	3
79	Communication Diversity in Particle Swarm Optimizers. *Lecture Notes in Computer Science*, **2016**, 77-88	0.9	8
78	A data science approach for quantifying spatio-temporal effects to graft failures in organ transplantation. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 3433-3436	0.9	
77	A Language-Centric Study of Twitter Connectivity. *Lecture Notes in Computer Science*, **2016**, 485-499	0.9	
76	Returners and Explorers Dichotomy in Web Browsing Behavior: A Human Mobility Approach. *Studies in Computational Intelligence*, **2016**, 173-184	0.8	4
75	Exploring the World Languages in Twitter **2016**,		1
74	Characterization of Football Supporters from Twitter Conversations **2016**,		4
73	On the agreement between small-world-like OFC model and real earthquakes. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2015**, 379, 669-675	2.3	5
72	Using network science to assess particle swarm optimizers. *Social Network Analysis and Mining*, **2015**, 5, 1	2.2	8
71	The effect of recency to human mobility. *EPJ Data Science*, **2015**, 4,	3.4	29
70	From Criminal Spheres of Familiarity to Crime Networks. *Studies in Computational Intelligence*, **2015**, 219-230	0.8	2
69	The Spatial Structure of Crime in Urban Environments. *Lecture Notes in Computer Science*, **2015**, 102-111	0.9	4
68	A self-organized approach for detecting communities in networks. *Social Network Analysis and Mining*, **2014**, 4, 1	2.2	3
67	Small world picture of worldwide seismic events. *Physica A: Statistical Mechanics and Its Applications*, **2014**, 408, 170-180	3.3	10
66	Towards a network-based approach to analyze particle swarm optimizers **2014**,		8
65	The Small World of Seismic Events. *Studies in Computational Intelligence*, **2014**, 97-105	0.8	1
64	Negative Implications of a Power-Law Distribution: A Study on Networks of Scientific Reviewers. *Studies in Computational Intelligence*, **2014**, 305-317	0.8	

63	Understanding organ transplantation in the USA using geographical social networks. *Social Network Analysis and Mining*, **2013**, 3, 457-473	2.2	3
62	Understanding the spread of malicious mobile-phone programs and their damage potential. *International Journal of Information Security*, **2013**, 12, 383-392	2.8	12
61	Evaluating the Performance of Social Networks of Sensors under Different Mobility Models **2013**,		2
60	Strategies, Political Position, and Electoral Performance of Brazilian Political Parties **2013**,		1
59	Using Patterns of Social Dynamics in the Design of Social Networks of Sensors **2013**,		1
58	On the relation between tourism and trade: A network experiment **2013**,		4
57	The Effect of Citations to Collaboration Networks. *Studies in Computational Intelligence*, **2013**, 177-185	0.8	3
56	A Self-organized Approach for Detecting Communities in Networks. *Studies in Computational Intelligence*, **2013**, 29-39	0.8	2
55	Using Network Science to Define a Dynamic Communication Topology for Particle Swarm Optimizers. *Studies in Computational Intelligence*, **2013**, 39-47	0.8	3
54	Assessing Particle Swarm Optimizers Using Network Science Metrics. *Studies in Computational Intelligence*, **2013**, 173-184	0.8	6
53	Understanding History Through Networks: The Brazil Case Study. *Studies in Computational Intelligence*, **2013**, 101-108	0.8	
52	Using Network Sciences to Evaluate the Brazilian Airline Network. *Lecture Notes in Computer Science*, **2013**, 849-858	0.9	0
51	An Analysis of the Overlap of Categories in a Network of Blogs. *Studies in Computational Intelligence*, **2013**, 59-70	0.8	1
50	The Social Structure of Organ Transplantation in the United States. *Studies in Computational Intelligence*, **2013**, 199-206	0.8	1
49	Measuring a Category-Based Blogosphere. *Studies in Computational Intelligence*, **2013**, 131-139	0.8	1
48	Area diversity in computer science collaborations **2012**,		3
47	SOCIAL: A Self-Organized Entropy-Based Algorithm for Identifying Communities in Networks **2012**,		1
46	**2011**,		4

45	A Temporal Analysis of Geographical Distances in Computer Science Collaborations **2011**,		3
44	Using Networks to Understand the Dynamics of Software Development. *Communications in Computer and Information Science*, **2011**, 119-129	0.3	4
43	A Network-Centric Epidemic Approach for Automated Image Label Annotation. *Communications in Computer and Information Science*, **2011**, 138-145	0.3	
42	A Recommender System for Youtube Based on its Network of Reviewers **2010**,		11
41	Self Organization in Coordination Systems Using a WordNet-Based Ontology **2010**,		3
40	**2010**,		1
39	Self-organized control of knowledge generation in pervasive computing systems **2009**,		1
38	A bio-inspired crime simulation model. *Decision Support Systems*, **2009**, 48, 282-292	5.6	17
37	**2009**,		6
36	Identification of Social Tension in Organizational Networks. *Studies in Computational Intelligence*, **2009**, 209-223	0.8	4
35	A study of terrain coverage models **2008**,		1
34	**2008**,		2
33	An adaptive in-network aggregation operator for query processing in wireless sensor networks. *Journal of Systems and Software*, **2008**, 81, 328-342	3.3	30
32	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks **2008**, 300-318		6
31	Handling Dynamic Networks Using Evolution in Ant-Colony Optimization. *Lecture Notes in Computer Science*, **2008**, 795-804	0.9	2
30	Using Ant□ Alarm Pheromone to Improve Software Testing Automation *. *Studies in Computational Intelligence*, **2008**, 115-124	0.8	
29	Models for Temporal and Spatial Terrain Coverage. *Studies in Computational Intelligence*, **2008**, 239-244	0.8	0
28	Toward adaptive query processing in wireless sensor networks. *Signal Processing*, **2007**, 87, 2911-2933	4.4	13

27	A crime simulation model based on social networks and swarm intelligence **2007**,		5
26	A model for terrain coverage inspired by ant's alarm pheromones **2007**,		9
25	Balancing energy consumption and memory usage in sensor data processing **2007**,		2
24	On the Problem of Over-clustering in Tuple-based Coordination Systems **2007**,		3
23	**2007**,		2
22	A Self-organizing Approach to Tuple Distribution in Large-Scale Tuple-Space Systems. *Lecture Notes in Computer Science*, **2007**, 146-160	0.9	11
21	Using Ant□ Brood Sorting to Increase Fault Tolerance in Linda□ Tuple Distribution Mechanism. *Lecture Notes in Computer Science*, **2007**, 255-269	0.9	2
20	On coordination and its significance to distributed and multi-agent systems. *Concurrency Computation Practice and Experience*, **2006**, 18, 359-370	1.4	20
19	The fading concept in tuple-space systems **2006**,		7
18	Using genetic algorithms to generate test plans for functionality testing **2006**,		3
17	Case studies for self-organization in computer science. *Journal of Systems Architecture*, **2006**, 52, 443-460	0.5	115
16	On the Idea of Using Nature-Inspired Metaphors to Improve Software Testing **2006**, 541-548		1
15	Self-organized and Social Models of Criminal Activity in Urban Environments. *Lecture Notes in Computer Science*, **2006**, 518-519	0.9	
14	Evolution in Swarm Intelligence: An Evolutionary Ant-Based Optimization Algorithm. *Lecture Notes in Computer Science*, **2006**, 512-513	0.9	
13	The role of social structures in mobile ad-hoc networks **2005**,		2
12	Self-organization and computer security **2005**,		1
11	On the implementation of SwarmLinda **2004**,		12
10	On the Semantics of Coordination Models for Distributed Systems: The LogOp Case Study. *Electronic Notes in Theoretical Computer Science*, **2004**, 97, 97-124	0.7	5

9	Adaptiveness in Linda-Based Coordination Models. *Lecture Notes in Computer Science*, **2004**, 212-232	0.9	8
8	Using Swarm Intelligence in Linda Systems. *Lecture Notes in Computer Science*, **2004**, 49-65	0.9	14
7	A new approach to scalable Linda-systems based on swarms **2003**,		19
6	Resource management in open Linda systems. *Concurrency Computation Practice and Experience*, **2003**, 15, 1233-1256	1.4	
5	Using Logical Operators as an Extended Coordination Mechanism in Linda. *Lecture Notes in Computer Science*, **2002**, 317-331	0.9	3
4	Experience with memory management in open Linda systems **2001**,		2
3	Scalability in Linda-like Coordination Systems **2001**, 299-319		3
2	Swarming computer security: an experiment in policy distribution		1
1	Simulating Crime Against Properties Using Swarm Intelligence and Social Networks1142-1159		