Mirco Musolesi

List of Publications by Year
in descending order

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115 papers	7,421 citations	279701 23 h-index	189801 50 g-index
120 all docs	120 docs citations	120 times ranked	5571 citing authors

#	Article	IF	Citations
1	Sensing meets mobile social networks. , 2008, , .		770
2	The Rise of People-Centric Sensing. IEEE Internet Computing, 2008, 12, 12-21.	3.2	459
3	Socially-aware routing for publish-subscribe in delay-tolerant mobile ad hoc networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 748-760.	9.7	383
4	Trajectories of depression. , 2015, , .		365
5	EmotionSense. , 2010, , .		357
6	A community based mobility model for ad hoc network research. , 2006, , .		232
7	Designing mobility models based on social network theory. Mobile Computing and Communications Review, 2007, 11, 59-70.	1.7	228
8	CAR: Context-Aware Adaptive Routing for Delay-Tolerant Mobile Networks. IEEE Transactions on Mobile Computing, 2009, 8, 246-260.	3.9	224
9	InterruptMe. , 2014, , .		211
10	Urban sensing systems. , 2008, , .		186
11	My Phone and Me. , 2016, , .		173
12	Smartphones for Large-Scale Behavior Change Interventions. IEEE Pervasive Computing, 2013, 12, 66-73.	1.1	169
13	NextPlace: A Spatio-temporal Prediction Framework for Pervasive Systems. Lecture Notes in Computer Science, 2011, , 152-169.	1.0	161
14	Graph Metrics for Temporal Networks. Understanding Complex Systems, 2013, , 15-40.	0.3	159
15	Who Benefits from the "Sharing" Economy of Airbnb?. , 2016, , .		154
16	SociableSense. , 2011, , .		148
17	Designing content-driven intelligent notification mechanisms for mobile applications. , 2015, , .		140
18	Anticipatory Mobile Computing. ACM Computing Surveys, 2015, 47, 1-29.	16.1	135

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19	Temporal distance metrics for social network analysis. , 2009, , .		128
20	Analysing information flows and key mediators through temporal centrality metrics. , 2010, , .		114
21	An ad hoc mobility model founded on social network theory. , 2004, , .		109
22	Track globally, deliver locally. , 2011, , .		105
23	Characterising temporal distance and reachability in mobile and online social networks. Computer Communication Review, 2010, 40, 118-124.	1.5	101
24	PrefMiner. , 2016, , .		101
25	Interdependence and predictability of human mobility and social interactions. Pervasive and Mobile Computing, 2013, 9, 798-807.	2.1	96
26	The Effect of Timing and Frequency of Push Notifications on Usage of a Smartphone-Based Stress Management Intervention: An Exploratory Trial. PLoS ONE, 2017, 12, e0169162.	1.1	95
27	Components in time-varying graphs. Chaos, 2012, 22, 023101.	1.0	94
28	Explaining the power-law distribution of human mobility through transportationmodality decomposition. Scientific Reports, 2015, 5, 9136.	1.6	90
29	A multilayer approach to multiplexity and link prediction in online geo-social networks. EPJ Data Science, 2016, 5, 24.	1.5	78
30	Mobility Models for Systems Evaluation. , 2009, , 43-62.		73
31	Measuring Urban Social Diversity Using Interconnected Geo-Social Networks. , 2016, , .		72
32	Towards multi-modal anticipatory monitoring of depressive states through the analysis of human-smartphone interaction. , 2016, , .		58
33	Spatio-temporal networks: reachability, centrality and robustness. Royal Society Open Science, 2016, 3, 160196.	1.1	56
34	MyTraces. , 2017, 1, 1-21.		53
35	Opportunistic Mobile Sensor Data Collection with SCAR. , 2007, , .		51
36	It's the way you check-in. , 2014, , .		51

#	Article	IF	Citations
37	Kissing Cuisines. , 2017, , .		50
38	TACO-DTN. , 2007, , .		48
39	Big Mobile Data Mining: Good or Evil?. IEEE Internet Computing, 2014, 18, 78-81.	3.2	47
40	Supporting Energy-Efficient Uploading Strategies for Continuous Sensing Applications on Mobile Phones. Lecture Notes in Computer Science, 2010, , 355-372.	1.0	46
41	Investigating causality in human behavior from smartphone sensor data: a quasi-experimental approach. EPJ Data Science, 2015, 4, .	1.5	45
42	Using Autoencoders to Automatically Extract Mobility Features for Predicting Depressive States. , 2018, 2, 1-20.		44
43	Community Detection in Social and Biological Networks Using Differential Evolution. Lecture Notes in Computer Science, 2012, , 71-85.	1.0	43
44	EMMA: Epidemic Messaging Middleware for Ad hoc networks. Personal and Ubiquitous Computing, 2006, 10, 28-36.	1.9	40
45	Spatio-temporal techniques for user identification by means of GPS mobility data. EPJ Data Science, 2015, 4, .	1.5	40
46	SCAR. , 2006, , .		38
47	Investigating The Role of Task Engagement in Mobile Interruptibility. , 2015, , .		35
48	SenSocial. , 2014, , .		33
49	Are you getting sick? Predicting influenza-like symptoms using human mobility behaviors. EPJ Data Science, 2017, 6, 27.	1.5	33
50	Ask, but don't interrupt. , 2015, , .		32
51	The hidden image of mobile apps. , 2018, , .		32
52	Anticipatory mobile computing for behaviour change interventions. , 2014, , .		31
53	Analyzing and predicting the spatial penetration of Airbnb in U.S. cities. EPJ Data Science, 2018, 7, .	1.5	31
54	Understanding the Role of Places and Activities on Mobile Phone Interaction and Usage Patterns. , 2017, 1, 1-22.		27

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55	Exploiting temporal complex network metrics in mobile malware containment. , 2011, , .		25
56	Applications of Temporal Graph Metrics to Real-World Networks. Understanding Complex Systems, 2013, , 135-159.	0.3	23
57	Writing on the clean slate: Implementing a socially-aware protocol in Haggle. , 2008, , .		21
58	Cooperative Co-evolutionary Module Identification with Application to Cancer Disease Module Discovery. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	7.5	21
59	CTG. , 2007, , .		19
60	Predictive Resource Scheduling in Computational Grids. , 2007, , .		18
61	Software engineering for mobility: reflecting on the past, peering into the future. , 2014, , .		18
62	Predicting the temporal activity patterns of new venues. EPJ Data Science, 2018, 7, 13.	1.5	18
63	Mobile-Based Experience Sampling for Behaviour Research. Human-computer Interaction Series, 2016, , 141-161.	0.4	18
64	Adapting asynchronous messaging middleware to ad hoc networking. , 2004, , .		17
65	Spatial dissemination metrics for location-based social networks. , 2012, , .		15
66	Transforming the social networking experience with sensing presence from mobile phones. , 2008, , .		14
67	Using human raters to characterize the psychological characteristics of GPS-based places. , 2017, , .		14
68	Avoiding pitfalls when using machine learning in HCI studies. Interactions, 2017, 24, 34-37.	0.8	14
69	A large-scale study of cultural differences using urban data about eating and drinking preferences. Information Systems, 2017, 72, 95-116.	2.4	13
70	Designing Effective Movement Digital Biomarkers for Unobtrusive Emotional State Mobile Monitoring. , 2017, , .		13
71	Community Detection Using Cooperative Co-evolutionary Differential Evolution. Lecture Notes in Computer Science, 2012, , 235-244.	1.0	13
72	Quantifying the Relationships between Everyday Objects and Emotional States through Deep Learning Based Image Analysis Using Smartphones. , 2020, 4, 1-21.		13

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73	When cars start gossiping. , 2008, , .		12
74	Anonymous or Not? Understanding the Factors Affecting Personal Mobile Data Disclosure. ACM Transactions on Internet Technology, 2017, 17, 1-19.	3.0	12
75	A comparison of spatial-based targeted disease mitigation strategies using mobile phone data. EPJ Data Science, 2018, 7, .	1.5	12
76	On Nonstationarity of Human Contact Networks. , 2010, , .		11
77	NotifyMeHere. , 2019, , .		11
78	MetroTrack: Predictive Tracking of Mobile Events Using Mobile Phones. Lecture Notes in Computer Science, 2010, , 230-243.	1.0	11
79	Controlled Epidemic-style Dissemination Middleware for Mobile Ad Hoc Networks. , 2006, , .		10
80	Integrating sensor presence into virtual worlds using mobile phones. , 2008, , .		10
81	Non-parametric causality detection: An application to social media and financial data. Physica A: Statistical Mechanics and Its Applications, 2017, 483, 139-155.	1.2	10
82	Copyright in generative deep learning. Data & Policy, 2022, 4, .	1.0	10
83	If I build it, will they come?. , 2017, , .		9
84	A Multi-perspective Analysis of Social Context and Personal Factors in Office Settings for the Design of an Effective Mobile Notification System. , 2020, 4, 1-38.		8
85	Designing a context-aware middleware for asynchronous communication in mobile ad hoc environments. , 2004, , .		7
86	STOP: Socio-Temporal Opportunistic Patching of short range mobile malware. , 2012, , .		7
87	Interpretable Machine Learning for Mobile Notification Management. GetMobile (New York, N Y), 2017, 21, 35-38.	0.7	7
88	A framework for multi-region delay tolerant networking. , 2008, , .		7
89	Controlled Epidemic-Style Dissemination Middleware for Mobile Ad Hoc Networks. , 2006, , .		6
90	Data collection in delay tolerant mobile sensor networks using SCAR. , 2006, , .		6

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91	Interpretable Machine Learning for Privacy-Preserving Pervasive Systems. IEEE Pervasive Computing, 2020, 19, 73-82.	1.1	6
92	Under and over the surface: a comparison of the use of leaked account credentials in the Dark and Surface Web. Crime Science, 2018, 7, .	1.4	5
93	Where You Go Matters. , 2020, 4, 1-32.		5
94	Mobile crowd sensing: Part 1 [Guest Editorial]. , 2014, 52, 20-21.		4
95	Intelligent Notification Systems. Synthesis Lectures on Mobile and Pervasive Computing, 2020, 11, 1-75.	0.1	4
96	Designing Robust Models for Behaviour Prediction Using Sparse Data from Mobile Sensing. ACM Transactions on Computing for Healthcare, 2021, 2, 1-33.	3.3	4
97	PokeME. , 2020, , .		4
98	The Uncertainty of Identity Toolset. , 2014, , .		3
99	Precise time-matching in chimpanzee allogrooming does not occur after a short delay. PLoS ONE, 2018, 13, e0201810.	1.1	3
100	Goal-directed graph construction using reinforcement learning. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	3
101	Introduction to the special issue on social networks and ubiquitous interactions. International Journal of Human Computer Studies, 2013, 71, 859-861.	3.7	2
102	Mobile crowd sensing: part 2 [Guest Editorial]. , 2014, 52, 76-77.		2
103	Sensing and Modeling Human Behavior Using Social Media and Mobile Data. , 2018, , 313-319.		2
104	Evaluating Machine Learning Algorithms for Prediction of the Adverse Valence Index Based on the Photographic Affect Meter. , 2019, , .		2
105	Anticipatory Mobile Digital Health: Towards Personalized Proactive Therapies and Prevention Strategies. , 2017, , 253-267.		2
106	Predicting and Explaining Privacy Risk Exposure in Mobility Data. Lecture Notes in Computer Science, 2020, , 403-418.	1.0	2
107	Introduction to the special issue on â€œHuman Behavior in Ubiquitous Environments: Modeling of Human Mobility Patternsâ€• Pervasive and Mobile Computing, 2010, 6, 399-400.	2.1	1
108	FutureWare: Designing a Middleware for Anticipatory Mobile Computing. IEEE Transactions on Software Engineering, 2019, , 1-1.	4.3	1

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109	Epcast: Controlled Dissemination in Human-Based Wireless Networks Using Epidemic Spreading Models. Lecture Notes in Computer Science, 2008, , 295-306.	1.0	1
110	Mental State, Mood, and Emotion. IEEE Pervasive Computing, 2022, 21, 8-9.	1.1	1
111	2nd ACM international workshop on mobile systems for computational social science. , 2013, , .		0
112	2 nd international workshop on mental health and well-being. , 2017, , .		0
113	Probabilistic matching: Causal inference under measurement errors. , 2017, , .		0
114	3rd International Workshop on Mental Health and Well-being. , 2018, , .		0
115	The role of space, time and sociability in predicting social encounters. Environment and Planning B: Urban Analytics and City Science, 0, , 239980832110168.	1.0	0