

# Emilio Calvanese Strinati

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

2,756  
citations

516710

16  
h-index

677142

22  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discontinuous Computation Offloading for Energy-Efficient Mobile Edge Computing. IEEE Transactions on Green Communications and Networking, 2022, 6, 1242-1257.	5.5	8
2	Learning Semantics: An Opportunity for Effective 6G Communications. , 2022, , .		18
3	Energy-Efficient Dynamic Edge Computing with Electromagnetic Field Exposure Constraints. , 2022, , .		1
4	The Hardware Foundation of 6G: The NEW-6G Approach. , 2022, , .		6
5	Effective Goal-oriented 6G Communications: the Energy-aware Edge Inferencing Case. , 2022, , .		6
6	Mobility Aware and Dynamic Migration of MEC Services for the Internet of Vehicles. IEEE Transactions on Network and Service Management, 2021, 18, 570-584.	4.9	55
7	6G networks: Beyond Shannon towards semantic and goal-oriented communications. Computer Networks, 2021, 190, 107930.	5.1	125
8	Energy Efficient Edge Computing: When Lyapunov Meets Distributed Reinforcement Learning. , 2021, , .		7
9	Dynamic Allocation of Computing and Communication Resources in Multi-Access Edge Computing for Mobile Users. IEEE Transactions on Network and Service Management, 2021, 18, 2089-2106.	4.9	22
10	Wireless Environment as a Service Enabled by Reconfigurable Intelligent Surfaces: The RISE-6G Perspective. , 2021, , .		73
11	Toward 6G: From New Hardware Design to Wireless Semantic and Goal-Oriented Communication Paradigms. , 2021, , .		7
12	Dynamic Mobile Edge Computing empowered by Reconfigurable Intelligent Surfaces. , 2021, , .		7
13	Reconfigurable, Intelligent, and Sustainable Wireless Environments for 6G Smart Connectivity. IEEE Communications Magazine, 2021, 59, 99-105.	6.1	113
14	6G Vision, Value, Use Cases and Technologies From European 6G Flagship Project Hexa-X. IEEE Access, 2021, 9, 160004-160020.	4.2	88
15	Transferable and Distributed User Association Policies for 5G and Beyond Networks. , 2021, , .		4
16	6G in the sky: On-demand intelligence at the edge of 3D networks (Invited paper). ETRI Journal, 2020, 42, 643-657.	2.0	23
17	Special issue on 5G & B5G enabling edge computing, big data and deep learning technologies. ETRI Journal, 2020, 42, 639-642.	2.0	5
18	Design of cellular, satellite, and integrated systems for 5G and beyond. ETRI Journal, 2020, 42, 669-685.	2.0	9

#	ARTICLE	IF	CITATIONS
19	5G-ALLSTAR: An Integrated Satellite-Cellular System for 5G and Beyond. , 2020, , .		11
20	Multi-Agent Deep Reinforcement Learning For Distributed Handover Management In Dense MmWave Networks. , 2020, , .		11
21	Technology Roadmap for Beyond 5G Wireless Connectivity in D-band. , 2020, , .		33
22	Multi-Agent Reinforcement Learning for Adaptive User Association in Dynamic mmWave Networks. IEEE Transactions on Wireless Communications, 2020, 19, 6520-6534.	9.2	38
23	Beyond 5G Private Networks: the 5G CONNI Perspective. , 2020, , .		14
24	6G: The Next Frontier: From Holographic Messaging to Artificial Intelligence Using Subterahertz and Visible Light Communication. IEEE Vehicular Technology Magazine, 2019, 14, 42-50.	3.4	414
25	Network Energy Efficient Mobile Edge Computing with Reliability Guarantees. , 2019, , .		6
26	Multi-Agent Deep Reinforcement Learning Based User Association for Dense mmWave Networks. , 2019, , .		11
27	An Optimal Low-Complexity Policy for Cache-Aided Computation Offloading. IEEE Access, 2019, 7, 182499-182514.	4.2	9
28	Introduction to the special section on deep reinforcement learning for future wireless communication networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1019-1023.	7.9	5
29	5GCHAMPION - Disruptive 5G Technologies for Roll-Out in 2018. ETRI Journal, 2018, 40, 10-25.	2.0	28
30	Proactive Computation Caching Policies For 5G-and-Beyond Mobile Edge Cloud Networks. , 2018, , .		5
31	Optimal Cross Slice Orchestration for 5G Mobile Services. , 2018, , .		13
32	Millimeter-waves, MEC, and network softwarization as enablers of new 5G business opportunities. , 2018, , .		11
33	Development of 5G CHAMPION testbeds for 5G services at the 2018 Winter Olympic Games. , 2017, , .		11
34	5G-MiEdge: Design, standardization and deployment of 5G phase II technologies: MEC and mmWaves joint development for Tokyo 2020 Olympic games. , 2017, , .		28
35	Narrowband IoT Service Provision to 5G User Equipment via a Satellite Component. , 2017, , .		20
36	Radio Virtual Machine. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	Where, When, and How mmWave is Used in 5G and Beyond. IEICE Transactions on Electronics, 2017, E100.C, 790-808.	0.6	154
38	Joint Stochastic Geometry and Mean Field Game Optimization for Energy-Efficient Proactive Scheduling in Ultra Dense Networks. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 766-781.	7.9	19
39	5G CHAMPION - Rolling out 5G in 2018. , 2016, , .		28
40	Dynamic resource allocation exploiting mobility prediction in mobile edge computing. , 2016, , .		87
41	Distributed mobile cloud computing: A multi-user clustering solution. , 2016, , .		13
42	Millimeter-Wave Evolution for 5G Cellular Networks. IEICE Transactions on Communications, 2015, E98.B, 388-402.	0.7	102
43	Small Cell Clustering for Efficient Distributed Fog Computing: A Multi-User Case. , 2015, , .		63
44	Cross-layer approach enabling communication of high number of devices in 5G mobile networks. , 2015, , .		7
45	A Seamless Integration of Computationally-Enhanced Base Stations into Mobile Networks towards 5G. , 2015, , .		14
46	The Fog Balancing: Load Distribution for Small Cell Cloud Computing. , 2015, , .		152
47	MmWave use cases and prototyping: A way towards 5G standardization. , 2015, , .		16
48	Small cell clustering for efficient distributed cloud computing. , 2014, , .		18
49	Two-regimes interference classifier: An interference-aware resource allocation algorithm. , 2014, , .		4
50	Multi-parameter decision algorithm for mobile computation offloading. , 2014, , .		12
51	Prediction of Channel Quality after Handover for Mobility Management in 5G. , 2014, , .		2
52	Interference Empowered 5G Networks. , 2014, , .		0
53	Enabling Green cellular networks: A survey and outlook. Computer Communications, 2014, 37, 5-24.	5.1	196
54	Energy-efficiency and future knowledge tradeoff in small cells prediction-based strategies. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
55	Matching coalitions for interference classification in large heterogeneous networks. , 2014, , .		0
56	Q-learning-based prediction of channel quality after handover in mobile networks. , 2014, , .		2
57	Cognitive Strategies for Green Two-Tier Cellular Networks: A Critical Overview. , 2013, , 1-33.		2
58	Green framework for future heterogeneous wireless networks. Computer Networks, 2013, 57, 1518-1528.	5.1	20
59	Dynamic Traffic Management for Green Open Access Femtocell Networks. , 2012, , .		18
60	Energy evaluation of preamble sampling MAC protocols for Wireless Sensor Networks. , 2012, , .		2
61	An energy efficient cell selection scheme for Open Access femtocell networks. , 2012, , .		7
62	Base-Station Duty-Cycling and Traffic Buffering as a Means to Achieve Green Communications. , 2012, , .		8
63	Energy efficient joint DTX and MIMO in cloud Radio Access Networks. , 2012, , .		14
64	LA-MAC: Low-latency asynchronous MAC for wireless sensor networks. , 2012, , .		8
65	A Survey on MAC Strategies for Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2012, 14, 21-44.	39.4	328
66	Interference-aware dynamic spectrum access in cognitive radio network. , 2011, , .		10
67	Ghost femtocells: A novel radio resource management scheme for OFDMA based networks. , 2011, , .		7
68	DA-MAC: Density aware MAC for dynamic wireless sensor networks. , 2011, , .		4
69	Interference management in self-organized femtocell networks: The BeFEMTO approach. , 2011, , .		18
70	Green scheduling to minimize Base station transmit power and UE circuit power consumption. , 2011, , .		5
71	Radio resource management in femtocell downlink exploiting location information. , 2011, , .		3
72	Holistic Approach for Future Energy Efficient Cellular Networks. Elektrotechnik Und Informationstechnik, 2010, 127, 314-320.	1.1	26

#	ARTICLE	IF	CITATIONS
73	Multi-Cell Interference Aware Resource Allocation for Half-Duplex Relay Based Cooperation. , 2010, , .		0
74	Partial Channel Quality Indication Feedback for OFDMA-Based Systems. , 2010, , .		0
75	Distributed power allocation for interference limited networks. , 2010, , .		9
76	Centralized Power Allocation for Interference Limited Networks. , 2010, , .		0
77	Green resource allocation for OFDMA wireless cellular networks. , 2010, , .		8
78	Lazy Decoding for Block Fading Channels. , 2009, , .		1
79	EARTH &#x2014; Energy Aware Radio and Network Technologies. , 2009, , .		110
80	HYGIENE Scheduling for OFDMA Wireless Cellular Networks. , 2009, , .		2
81	Performance Evaluation of Hybrid Cooperation Protocol in IEEE 802.16e. IEEE Vehicular Technology Conference, 2008, , .	0.4	1
82	Optimal Power Allocation for Hybrid Amplify-and-Forward Cooperative Networks. IEEE Vehicular Technology Conference, 2008, , .	0.4	4
83	Error Rate Estimation Based on Soft Output Decoding and its Application to Turbo Coding. , 2007, , .		5