Evangelos Pournaras

List of Publications by Year
in descending order

52 papers	813 citations	516561 16 h-index	610775 24 g-index
53 all docs	53 docs citations	53 times ranked	678 citing authors

#	Article	IF	Citations
1	Society: Build digital democracy. Nature, 2015, 527, 33-34.	13.7	72
2	Improving robustness of complex networks via the effective graph resistance. European Physical Journal B, 2014, 87, 1.	0.6	63
3	Decentralized Collective Learning for Self-managed Sharing Economies. ACM Transactions on Autonomous and Adaptive Systems, 2018, 13, 1-33.	0.4	39
4	Decentralized Edge-to-Cloud Load Balancing: Service Placement for the Internet of Things. IEEE Access, 2021, 9, 64983-65000.	2.6	38
5	Proof of witness presence: Blockchain consensus for augmented democracy in smart cities. Journal of Parallel and Distributed Computing, 2020, 145, 160-175.	2.7	33
6	Decentralized Planning of Energy Demand for the Management of Robustness and Discomfort. IEEE Transactions on Industrial Informatics, 2014, 10, 2280-2289.	7.2	32
7	Self-improving system integration: Mastering continuous change. Future Generation Computer Systems, 2021, 117, 29-46.	4.9	32
8	Ethics of Smart Cities: Towards Value-Sensitive Design and Co-Evolving City Life. Sustainability, 2021, 13, 11162.	1.6	27
9	Decrypting distributed ledger designâ€”taxonomy, classification and blockchain community evaluation. Cluster Computing, 2022, 25, 1817-1838.	3.5	26
10	Decentralized cooperative scheduling of prosumer flexibility under forecast uncertainties. Applied Energy, 2021, 290, 116706.	5.1	24
11	Self-regulating supplyâ€“demand systems. Future Generation Computer Systems, 2017, 76, 73-91.	4.9	23
12	Self-regulatory information sharing in participatory social sensing. EPJ Data Science, 2016, 5, .	1.5	20
13	Optimization of privacy-utility trade-offs under informational self-determination. Future Generation Computer Systems, 2020, 109, 488-499.	4.9	20
14	Load-driven neighbourhood reconfiguration of Gnutella overlay. Computer Communications, 2008, 31, 3030-3039.	3.1	18
15	TRAPPed in Traffic? A Self-Adaptive Framework for Decentralized Traffic Optimization. , 2019, , .		18
16	Socio-technical smart grid optimization via decentralized charge control of electric vehicles. Applied Soft Computing Journal, 2019, 82, 105573.	4.1	17
17	Temporal Self-Regulation of Energy Demand. IEEE Transactions on Industrial Informatics, 2016, 12, 1196-1205.	7.2	16
18	Engineering Democratization in Internet of Things Data Analytics. , 2017, , .		16

#	Article	IF	Citations
19	Self-Adaptive Learning in Decentralized Combinatorial Optimization - A Design Paradigm for Sharing Economies. , 2017, , .		15
20	Privacy-enhancing aggregation of Internet of Things data via sensors grouping. Sustainable Cities and Society, 2018, 39, 387-400.	5.1	15
21	(So) Big Data and the transformation of the city. International Journal of Data Science and Analytics, 2021, 11, 311-340.	2.4	15
22	Measuring and controlling unfairness in decentralized planning of energy demand. , 2014, , .		14
23	Appliance-Level Flexible Scheduling for Socio-Technical Smart Grid Optimization. IEEE Access, 2020, 8, 119880-119898.	2.6	13
24	A self-integration testbed for decentralized socio-technical systems. Future Generation Computer Systems, 2020, 113, 541-555.	4.9	12
25	Trust and innovativeness in virtual organisations. International Journal of Business Innovation and Research, 2008, 2, 262.	0.1	11
26	Cross-disciplinary higher education of data science â€“ beyond the computer science student. Data Science, 2017, 1, 101-117.	0.7	11
27	Measuring network reliability and repairability against cascading failures. Journal of Intelligent Information Systems, 2019, 52, 573-594.	2.8	11
28	Organizational Control Reconfigurations for a Robust Smart Power Grid. Studies in Computational Intelligence, 2013, , 189-206.	0.7	11
29	Human Activity Recognition based on Wi-Fi CSI Data -A Deep Neural Network Approach. Procedia Computer Science, 2022, 198, 59-66.	1.2	11
30	Mining social interactions in privacy-preserving temporal networks. , 2016, , .		10
31	On cycling risk and discomfort: urban safety mapping and bike route recommendations. Computing (Vienna/New York), 2020, 102, 1259-1274.	3.2	10
32	Sensing and Mining Urban Qualities in Smart Cities. , 2017, , .		9
33	Collective Learning: A 10-Year Odyssey to Human-centered Distributed Intelligence. , 2020, , .		9
34	Cascading Failures in Interconnected Power-to-Water Networks. Performance Evaluation Review, 2020, 47, 16-20.	0.4	9
35	Tracking Language Mobility in the Twitter Landscape. , 2016, , .		8
36	SFINA - Simulation Framework for Intelligent Network Adaptations. Simulation Modelling Practice and Theory, 2017, 72, 34-50.	2.2	8

#	Article	IF	Citations
37	Augmented Shopping Experience for Sustainable Consumption Using the Internet of Thing. IEEE Internet of Things Magazine, 2019, 2, 46-51.	2.0	8
38	Holarchic structures for decentralized deep learning: a performance analysis. Cluster Computing, 2020, 23, 219-240.	3.5	8
39	Self-Healing Dilemmas in Distributed Systems: Fault Correction vs. Fault Tolerance. IEEE Transactions on Network and Service Management, 2021, 18, 2728-2741.	3.2	8
40	How value-sensitive design can empower sustainable consumption. Royal Society Open Science, 2021, 8, 201418.	1.1	8
41	Self-Corrective Dynamic Networks via Decentralized Reverse Computations. , 2017, , .		6
42	Human-centered Democratic Innovations with Digital and Participatory Elements. , 2021, , .		6
43	Collective Intelligence Using 5G: Concepts, Applications, and Challenges in Sociotechnical Environments. IEEE Access, 2022, 10, 70394-70417.	2.6	6
44	On-demand self-adaptive data analytics in large-scale decentralized networks. , 2017, , .		4
45	Structural Self-Adaptation for Decentralized Pervasive Intelligence. , 2019, , .		4
46	Prototyping self-managed interdependent networks. , 2018, , .		3
47	Decentralized Optimization of Vehicle Route Planningâ€"A Cross-City Comparative Study. IEEE Internet Computing, 2021, 25, 34-42.	3.2	3
48	Mobile link prediction: Automated creation and crowdsourced validation of knowledge graphs. Microprocessors and Microsystems, 2021, 87, 104335.	1.8	3
49	Peer-to-peer aggregation for dynamic adjustments in power demand. Peer-to-Peer Networking and Applications, 2015, 8, 189-202.	2.6	2
50	Containing Future Epidemics With Trustworthy Federated Systems for Ubiquitous Warning and Response. Frontiers in Communications and Networks, 2021, 2, .	1.9	2
51	Crowd Sensing and Living Lab Outdoor Experimentation Made Easy. IEEE Pervasive Computing, 2022, 21, 18-27.	1.1	2
52	Democratizing Data Analytics: Crowd-Sourcing Decentralized Collective Measurements. , 2019, , .		1