

Andreas Pitsillides

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

2,354
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94
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94
docs citations

94
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	Realizing Ambient Backscatter Communications with Intelligent Surfaces in 6G Wireless Systems. IEEE Wireless Communications, 2022, 29, 178-185.	9.0	5
2	Active Control of THz Waves in Wireless Environments Using Graphene-Based RIS. IEEE Transactions on Antennas and Propagation, 2022, 70, 8785-8797.	5.1	18
3	Software-Defined Reconfigurable Intelligent Surfaces: From Theory to End-to-End Implementation. Proceedings of the IEEE, 2022, 110, 1466-1493.	21.3	15
4	A distributed AI/ML framework for D2D Transmission Mode Selection in 5G and beyond. Computer Networks, 2022, 210, 108964.	5.1	2
5	A novel Distributed AI framework with ML for D2D communication in 5G/6G networks. Computer Networks, 2022, 211, 108987.	5.1	10
6	Dynamic D2D Communication in 5G/6G Using a Distributed AI Framework. IEEE Access, 2022, 10, 62772-62799.	4.2	4
7	Eye Gaze and Interaction Differences of Holistic Versus Analytic Users in Image-Recognition Human Interaction Proof Schemes. Lecture Notes in Computer Science, 2021, , 66-75.	1.3	2
8	Using UE-VBS for dynamic virtual small cells deployment and backhauling in 5G Ultra-Dense networks. Computer Networks, 2021, 189, 107926.	5.1	3
9	Solutions for the Deployment of Communication Roadside Infrastructure for Streaming Delivery in Vehicular Networks. Journal of Network and Systems Management, 2021, 29, 1.	4.9	4
10	Switched-Beam Graphene Plasmonic Nanoantenna in the Terahertz Wave Region. Plasmonics, 2021, 16, 1855-1864.	3.4	13
11	Performance Evaluation of Transmission Mode Selection in D2D communication. , 2021, , .		3
12	From hot-spots towards experience-spots: Leveraging on usersâ€™ sociocultural experiences to enhance security in cued-recall graphical authentication. International Journal of Human Computer Studies, 2021, 149, 102602.	5.6	10
13	A Comparative Study among Different Computer Vision Algorithms for Assisting Users in Picture Password Composition. , 2021, , .		1
14	5G D2D Transmission Mode Selection Performance & Cluster Limits Evaluation of Distributed AI and ML Techniques. , 2021, , .		1
15	Next Generation Connected Materials for Intelligent Energy Propagation in Multiphysics Systems. IEEE Communications Magazine, 2021, 59, 100-106.	6.1	4
16	On the Use of Programmable Metasurfaces in Vehicular Networks. , 2021, , .		6
17	Extremum Seeking Control for Beam Steering using Hypersurfaces. , 2020, , .		9
18	End-to-End Wireless Path Deployment With Intelligent Surfaces Using Interpretable Neural Networks. IEEE Transactions on Communications, 2020, 68, 6792-6806.	7.8	21

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19	Toward Fault-Tolerant Deadlock-Free Routing in HyperSurface-Embedded Controller Networks. IEEE Networking Letters, 2020, 2, 140-144.	1.9	4
20	Advanced Physical-layer Security as an App in Programmable Wireless Environments. , 2020, , .		4
21	Concentration Gradient based Routing for Molecular Nanonetworks. , 2020, , .		4
22	Adaptive Probabilistic Flooding for Information Hovering in VANETs. Journal of Sensor and Actuator Networks, 2020, 9, 29.	3.9	3
23	Toward Intelligent Metasurfaces: The Progress from Globally Tunable Metasurfaces to Software-Defined Metasurfaces with an Embedded Network of Controllers. Advanced Optical Materials, 2020, 8, 2000783.	7.3	145
24	Distributed Artificial Intelligence Solution for D2D Communication in 5G Networks. IEEE Systems Journal, 2020, 14, 4232-4241.	4.6	48
25	Complex Systems: A Communication Networks Perspective Towards 6G. IEEE Access, 2020, 8, 89007-89030.	4.2	46
26	Modeling Probabilistic Flooding in VANETs for Optimal Rebroadcast Probabilities. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 556-570.	8.0	19
27	On the Network-Layer Modeling and Configuration of Programmable Wireless Environments. IEEE/ACM Transactions on Networking, 2019, 27, 1696-1713.	3.8	41
28	Exploration of Intercell Wireless Millimeter-Wave Communication in the Landscape of Intelligent Metasurfaces. IEEE Access, 2019, 7, 122931-122948.	4.2	41
29	An Interpretable Neural Network for Configuring Programmable Wireless Environments. , 2019, , .		41
30	Feedback Based Beam Steering for Intelligent Metasurfaces. , 2019, , .		5
31	3D Channel Modeling and Characterization for Hypersurface Empowered Indoor Environment at 60 GHz Millimeter-Wave Band. , 2019, , .		9
32	Joint Compressed Sensing and Manipulation of Wireless Emissions with Intelligent Surfaces. , 2019, , .		19
33	Wideband Perfect Absorption Polarization Insensitive Reconfigurable Graphene Metasurface for THz Wireless Environment. , 2019, , .		12
34	Broadening Understanding on Managing the Communication Infrastructure in Vehicular Networks: Customizing the Coverage Using the Delta Network. Future Internet, 2019, 11, 1.	3.8	98
35	A novel communication paradigm for high capacity and security via programmable indoor wireless environments in next generation wireless systems. Ad Hoc Networks, 2019, 87, 1-16.	5.5	80
36	A Decentralized Approach for Self-Coexistence Among Heterogeneous Networks in TVWS. IEEE Transactions on Vehicular Technology, 2018, 67, 1302-1312.	6.3	7

#	ARTICLE	IF	CITATIONS
37	Realizing Wireless Communication Through Software-Defined HyperSurface Environments. , 2018, , .		70
38	Fault Adaptive Routing in Metasurface Controller Networks. , 2018, , .		13
39	Selection of UE-based Virtual Small Cell Base Stations using Affinity Propagation Clustering. , 2018, , .		10
40	A New Wireless Communication Paradigm through Software-Controlled Metasurfaces. IEEE Communications Magazine, 2018, 56, 162-169.	6.1	799
41	Computing and Communications for the Software-Defined Metamaterial Paradigm: A Context Analysis. IEEE Access, 2017, 5, 6225-6235.	4.2	62
42	A Web of Things based eco-system for urban computing - towards smarter cities. , 2017, , .		8
43	CelEc framework for reconfigurable small cells as part of 5G ultra-dense networks. , 2017, , .		10
44	Harvested Energy Prediction Schemes for Wireless Sensor Networks: Performance Evaluation and Enhancements. Wireless Communications and Mobile Computing, 2017, 2017, 1-14.	1.2	16
45	A novel protocol for network-controlled metasurfaces. , 2017, , .		12
46	WSN operability during persistent attack execution. , 2016, , .		3
47	Adaptive probabilistic flooding for nanonetworks employing molecular communication. , 2016, , .		4
48	Frequency-domain characterization of Singular Spectrum Analysis eigenvectors. , 2016, , .		5
49	Privacy concerns in sharing personal consumption data through online applications. , 2016, , .		0
50	Analysis of probabilistic flooding in VANETs for optimal rebroadcast probabilities. , 2016, , .		4
51	Nature Inspired Node Density Estimation for Molecular NanoNetworks. , 2016, , .		1
52	Gamma Deployment: Designing the Communication Infrastructure in Vehicular Networks Assuring Guarantees on the V2I Inter-Contact Time. , 2016, , .		10
53	Adaptive optimization for active queue management supporting TCP flows. , 2016, , .		3
54	Situation aware intrusion recovery policy in WSNs. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
55	Mobile Phone Computing and the Internet of Things: A Survey. IEEE Internet of Things Journal, 2016, 3, 885-898.	8.7	169
56	Speed Adaptive Probabilistic Flooding for Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1973-1990.	6.3	48
57	Design and Development of Software Defined Metamaterials for Nanonetworks. IEEE Circuits and Systems Magazine, 2015, 15, 12-25.	2.3	84
58	Cooperation among access points for enhanced quality of service in dense wireless environments. , 2014, , .		1
59	Recovering from the selective forwarding attack in WSNs - enhancing the recovery benefits of blacklisting and rerouting using directional antennas. , 2014, , .		2
60	Exploring the use of DNS as a search engine for the Web of Things. , 2014, , .		14
61	The impact of remote sensing on the everyday lives of mobile users in urban areas. , 2014, , .		6
62	Adaptive information hovering in VANETs: Robustness and enhancements. , 2013, , .		2
63	Minimizing interference in unmanaged environments of densely deployed wireless access points using a graphical game model. , 2012, , .		2
64	Balancing Wireless Data Broadcasting and Information Hovering for Efficient Information Dissemination. IEEE Transactions on Broadcasting, 2012, 58, 66-76.	3.2	17
65	Broadcast Scheduling With Multiple Concurrent Costs. IEEE Transactions on Broadcasting, 2012, 58, 178-186.	3.2	9
66	A game theory-based approach to reducing interference in dense deployments of home wireless networks. , 2011, , .		4
67	Vulnerability assessment of intrusion recovery countermeasures in wireless sensor networks. , 2011, , .		3
68	Speed Adaptive Probabilistic Flooding for vehicular ad-hoc networks. , 2011, , .		7
69	Combating persistent adversaries in wireless sensor networks using directional antennas. , 2011, , .		3
70	HomeWeb: An application framework for Web-based smart homes. , 2011, , .		47
71	A New Estimation Scheme for the Effective Number of Users in Internet Congestion Control. IEEE/ACM Transactions on Networking, 2011, 19, 1499-1512.	3.8	9
72	Lessons Learned from Online Social Networking of Physical Things. , 2011, , .		13

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73	An enhanced MBMS service provision approach for improved performance in UTRAN. , 2011, , .		1
74	Social networking of the Smart Home. , 2010, , .		33
75	Mimicking the bird flocking behavior for controlling congestion in sensor networks. , 2010, , .		5
76	Adaptive probabilistic flooding for Information Hovering in VANETs. , 2010, , .		14
77	Information Hovering in Vehicular Ad-Hoc Networks. , 2009, , .		5
78	Employing the flocking behavior of birds for controlling congestion in autonomous decentralized networks. , 2009, , .		10
79	A NEHO based MBMS Handover Control approach. , 2008, , .		1
80	An enhanced radio resource allocation approach for efficient MBMS service provision in UTRAN. , 2008, , .		1
81	A new approach for efficient MBMS service provision in UTRAN. , 2008, , .		5
82	An enhanced approach for efficient MBMS handovers in 3G networks. , 2008, , .		3
83	Power counting for optimized capacity in MBMS enabled UTRAN. , 2008, , .		8
84	ADIVIS: A Novel Adaptive Algorithm for Video Streaming over the Internet. , 2007, , .		3
85	Handover Control in MBMS Enabled 3G Mobile Cellular Networks. , 2007, , .		3
86	The MicroPulse Framework for Adaptive Waking Windows in Sensor Networks. , 2007, , .		10
87	Queue Length Based Internet Congestion Control. , 2007, , .		5
88	Adaptive Feedback Algorithm for Internet Video Streaming based on Fuzzy Rate Control. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	10
89	The Importance of Adaptive Applications in Mobile Wireless Networks. , 2006, , .		0
90	MBMS Handover Control for Efficient Multicasting in IP-Based 3G Mobile Networks. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
91	Hybrid CAC for MBMS-Enabled 3G UMTS Networks. , 2006, , .		3