Dimitrios Makrakis

List of Publications by Year
in descending order

69	1,434	687363 13	552781 26
papers	citations	h-index	g-index

69	69	69	1108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and Evaluation of a Receiver for Wired Nano-Communication Networks. IEEE Transactions on Nanobioscience, 2023, 22, 223-236.	3.3	1
2	Consolidating Policy Chains Using One Pass Packet Steering in Software Defined Data Centers. IEEE Transactions on Cloud Computing, 2021, 9, 518-531.	4.4	1
3	An Ethereum-based Energy Trading Protocol (EETP). , 2020, , .		2
4	Mpls-Based Micro-Mobility Architecture for 5g Vehicular Visible Light Communication Networks. , 2020, , .		1
5	Modeling Interference-Free Neuron Spikes With Optogenetic Stimulation. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2019, 5, 100-111.	2.1	0
6	Algorithm for Mesoscopic Advectionâ€“Diffusion. IEEE Transactions on Nanobioscience, 2018, 17, 543-554.	3.3	12
7	FMSLPP: fake-message based sink location privacy preservation for WSNs against global eavesdroppers. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 572-592.	1.0	0
8	Simulating with AcCoRD: Actor-based Communication via Reactionâ€“Diffusion. Nano Communication Networks, 2017, 11, 44-75.	2.9	46
9	Concentration-Encoded Molecular Communication in Nanonetworks. Part 2: Performance Evaluation. Modeling and Optimization in Science and Technologies, 2017, , 35-56.	0.7	0
10	Effect of local population uncertainty on cooperation in bacteria. , 2017, , .		3
11	One Pass Packet Steering (OPPS) for stateless policy chains in multi-subscriber SDN. , 2017, , .		2
12	Concentration-Encoded Molecular Communication in Nanonetworks. Part 1: Fundamentals, Issues, and Challenges. Modeling and Optimization in Science and Technologies, 2017, , 3-34.	0.7	1
13	Active versus Passive: Receiver Model Transforms for Diffusive Molecular Communication. , 2016, , .		34
14	Concentration-Encoded Subdiffusive Molecular Communication: Theory, Channel Characteristics, and Optimum Signal Detection. IEEE Transactions on Nanobioscience, 2016, 15, 533-548.	3.3	26
15	Twoâ€factor mutual authentication with key agreement in wireless sensor networks. Security and Communication Networks, 2016, 9, 171-183.	1.5	55
16	Motivation for Protecting Selfish Vehicles' Location Privacy in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5631-5641.	6.3	52
17	Reputation-based Pseudonym Change for Location Privacy in vehicular networks. , 2015, , .		17
18	Multi-domain Public key infrastructure for Vehicle-to-Grid network. , 2015, , .		2

#	Article	IF	Citations
19	Protecting location privacy in vehicular networks against location-based attacks. International Journal of Parallel, Emergent and Distributed Systems, 2015, 30, 101-117.	1.0	5
20	A Comprehensive Analysis of Strength-Based Optimum Signal Detection in Concentration-Encoded Molecular Communication With Spike Transmission. IEEE Transactions on Nanobioscience, 2015, 14, 67-83.	3.3	34
21	Pseudonym Changes scheme based on Candidate-location-list in vehicular networks. , 2015, , .		17
22	Performance evaluation and improvement of TCP/IPv6 over IEEE 802.15.4 under Wi-Fi interference. , 2015, , .		2
23	An investigative analysis on concentration-encoded subdiffusive molecular communication in nanonetworks. , 2014, , .		1
24	A Comprehensive Study of Sampling-Based Optimum Signal Detection in Concentration-Encoded Molecular Communication. IEEE Transactions on Nanobioscience, 2014, 13, 208-222.	3.3	67
25	Strength-based optimum signal detection in concentration-encoded pulse-transmitted OOK molecular communication with stochastic ligand-receptor binding. Simulation Modelling Practice and Theory, 2014, 42, 189-209.	3.8	27
26	Study of clear channel assessment mechanism for ZigBee packet transmission under Wi-Fi interference. , 2013, , .		17
27	Dynamic Mix-Zone for Location Privacy in Vehicular Networks. IEEE Communications Letters, 2013, 17, 1524-1527.	4.1	76
28	Performance Analysis of Convolutional Coding Techniques in Diffusion-Based Concentration-Encoded PAM Molecular Communication Systems. BioNanoScience, 2013, 3, 270-284.	3.5	133
29	Privacy preserving broadcast message authentication protocol for VANETs. Journal of Network and Computer Applications, 2013, 36, 1352-1364.	9.1	38
30	A Generalized Strength-Based Signal Detection Model for Concentration-Encoded Molecular Communication. , 2013, , .		14
31	Secure and robust multipath routings for advanced metering infrastructure. Journal of Supercomputing, 2013, 66, 1071-1092.	3.6	6
32	Interference Aware Adaptive Clear Channel Assessment for improving ZigBee packet transmission under Wi-Fi interference. , 2013, , .		11
33	Authentication and authorization mechanisms for substation automation in smart grid network. IEEE Network, 2013, 27, 5-11.	6.9	31
34	Secure communication mechanism for ubiquitous Smart grid infrastructure. Journal of Supercomputing, 2013, 64, 435-455.	3.6	12
35	Strength Based Receiver Architecture and Communication Range and Rate Dependent Signal Detection Characteristics of Concentration Encoded Molecular Communication. , 2012, , .		10
36	Secure remote access to Smart Energy Home area Networks. , 2012, , .		4

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37	A probabilistic-based approach towards trust evaluation using Poisson Hidden Markov Models and Bonus Malus Systems. , 2011, , .		2
38	Enhanced QoS Support in Certified Wireless USB. , 2011, , .		0
39	Efficient Authentication Mechanism for PEV Charging Infrastructure. , 2011, , .		10
40	Concealing of the Sink Location in WSNs by artificially homogenizing traffic intensity. , 2011, , .		16
41	Characterization of intersymbol interference in concentration-encoded unicast molecular communication. , 2011, , .		27
42	Provisioning secure on-demand routing protocol in mobile ad hoc network. , 2011, , .		3
43	On the characteristics of concentration-encoded multi-level amplitude modulated unicast molecular communication. , 2011, , .		13
44	Transient characterization of concentration-encoded molecular communication with sinusoidal stimulation. , 2011, , .		7
45	Resilient Security Mechanism for Wireless Ad hoc Network. Wireless Personal Communications, 2011, 56, 385-401.	2.7	4
46	Security Mechanism for Multi-Domain Vehicle-to-Grid Infrastructure. , 2011, , .		17
47	A Probabilistic-Based Trust Evaluation Model Using Hidden Markov Models and Bonus Malus Systems. , 2011, , .		1
48	A Protocol for Sink Location Privacy Protection in Wireless Sensor Networks. , 2011, , .		2
49	A comprehensive study of concentration-encoded unicast molecular communication with binary pulse transmission. , 2011, , .		16
50	Device authentication mechanism for Smart Energy Home Area Networks. , 2011, , .		42
51	MAC Layer Label Switching for Wireless Sensor Networks. , 2010, , .		2
52	On the characterization of binary concentration-encoded molecular communication in nanonetworks. Nano Communication Networks, 2010, 1, 289-300.	2.9	267
53	Improved two-factor user authentication in wireless sensor networks. , 2010, , .		88
54	A trust evaluation model using controlled Markov process for MANET. , 2010, , .		2

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55	Pre-broadcast based time efficient privacy protocol for secure vehicular communications. , 2010, , .		1
56	Performance Analysis of Threshold Call Admission Policy for Multi-class Traffic in Low Earth Orbit Mobile Satellite Systems. , 2010, , .		9
57	Spatiotemporal distribution and modulation schemes for concentration-encoded medium-to-long range molecular communication. , 2010, , .		21
58	QUATTRO: QoS-Capable Cross-Layer MAC Protocol for Wireless Sensor Networks. , 2009, , .		11
59	MARE: An Efficient Reservation-Based MAC Protocol for IEEE 802.11s Mesh Networks. , 2009, , .		7
60	Analysis of Maximum Traffic Intensity and Optimal Channel Reservation Under QoS Constraints in LEO-MSS. IEEE Communications Letters, 2008, 12, 633-635.	4.1	5
61	Analysis of the EDCA access mechanism for an IEEE 802.11e-compatible wireless LAN. , 2008, , .		6
62	Probabilistic envelope processes for Î±-stable self-similar traffic models and their application to resource provisioning. Performance Evaluation, 2005, 61, 257-279.	1.2	5
63	Dynamic Quality of Service Support in Virtual Private Networks. Lecture Notes in Computer Science, 2005, , 618-621.	1.3	0
64	On the dynamic allocation of resources using linear prediction of aggregate network traffic. Computer Communications, 2003, 26, 1341-1352.	5.1	2
65	STOCHASTIC UPPER BOUNDS FOR AGGREGATE NETWORK TRAFFIC WITH MODELING BASED ON FRACTIONAL STABLE NOISE. , 2002, , .		0
66	Fast simulation of broadband telecommunications networks carrying long-range dependent bursty traffic. ACM Transactions on Modeling and Computer Simulation, 2001, 11, 274-293.	0.8	1
67	Use of Î±-stable self-similar stochastic processes for modeling traffic in broadband networks. Performance Evaluation, 2000, 40, 71-98.	1.2	69
68	Traffic monitoring for capacity allocation of multimedia traffic in ATM broadband networks. Telecommunication Systems, 1998, 9, 173-206.	2.5	11
69	Title is missing!. Mobile Networks and Applications, 1997, 2, 325-331.	3.3	7