

Dimitrios Makrakis

List of Publications by Year in descending order

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69
papers

1,434
citations

687363

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552781

26
g-index

69
all docs

69
docs citations

69
times ranked

1108
citing authors

#	ARTICLE	IF	CITATIONS
1	On the characterization of binary concentration-encoded molecular communication in nanonetworks. <i>Nano Communication Networks</i> , 2010, 1, 289-300.	2.9	267
2	Performance Analysis of Convolutional Coding Techniques in Diffusion-Based Concentration-Encoded PAM Molecular Communication Systems. <i>BioNanoScience</i> , 2013, 3, 270-284.	3.5	133
3	Improved two-factor user authentication in wireless sensor networks. , 2010, , .		88
4	Dynamic Mix-Zone for Location Privacy in Vehicular Networks. <i>IEEE Communications Letters</i> , 2013, 17, 1524-1527.	4.1	76
5	Use of $\hat{\pm}$ -stable self-similar stochastic processes for modeling traffic in broadband networks. <i>Performance Evaluation</i> , 2000, 40, 71-98.	1.2	69
6	A Comprehensive Study of Sampling-Based Optimum Signal Detection in Concentration-Encoded Molecular Communication. <i>IEEE Transactions on Nanobioscience</i> , 2014, 13, 208-222.	3.3	67
7	Two-factor mutual authentication with key agreement in wireless sensor networks. <i>Security and Communication Networks</i> , 2016, 9, 171-183.	1.5	55
8	Motivation for Protecting Selfish Vehicles' Location Privacy in Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2015, 64, 5631-5641.	6.3	52
9	Simulating with AcCoRD: Actor-based Communication via Reaction-“Diffusion. <i>Nano Communication Networks</i> , 2017, 11, 44-75.	2.9	46
10	Device authentication mechanism for Smart Energy Home Area Networks. , 2011, , .		42
11	Privacy preserving broadcast message authentication protocol for VANETs. <i>Journal of Network and Computer Applications</i> , 2013, 36, 1352-1364.	9.1	38
12	A Comprehensive Analysis of Strength-Based Optimum Signal Detection in Concentration-Encoded Molecular Communication With Spike Transmission. <i>IEEE Transactions on Nanobioscience</i> , 2015, 14, 67-83.	3.3	34
13	Active versus Passive: Receiver Model Transforms for Diffusive Molecular Communication. , 2016, , .		34
14	Authentication and authorization mechanisms for substation automation in smart grid network. <i>IEEE Network</i> , 2013, 27, 5-11.	6.9	31
15	Characterization of intersymbol interference in concentration-encoded unicast molecular communication. , 2011, , .		27
16	Strength-based optimum signal detection in concentration-encoded pulse-transmitted OOK molecular communication with stochastic ligand-receptor binding. <i>Simulation Modelling Practice and Theory</i> , 2014, 42, 189-209.	3.8	27
17	Concentration-Encoded Subdiffusive Molecular Communication: Theory, Channel Characteristics, and Optimum Signal Detection. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 533-548.	3.3	26
18	Spatiotemporal distribution and modulation schemes for concentration-encoded medium-to-long range molecular communication. , 2010, , .		21

#	ARTICLE	IF	CITATIONS
19	Security Mechanism for Multi-Domain Vehicle-to-Grid Infrastructure. , 2011, , .		17
20	Study of clear channel assessment mechanism for ZigBee packet transmission under Wi-Fi interference. , 2013, , .		17
21	Reputation-based Pseudonym Change for Location Privacy in vehicular networks. , 2015, , .		17
22	Pseudonym Changes scheme based on Candidate-location-list in vehicular networks. , 2015, , .		17
23	Concealing of the Sink Location in WSNs by artificially homogenizing traffic intensity. , 2011, , .		16
24	A comprehensive study of concentration-encoded unicast molecular communication with binary pulse transmission. , 2011, , .		16
25	A Generalized Strength-Based Signal Detection Model for Concentration-Encoded Molecular Communication. , 2013, , .		14
26	On the characteristics of concentration-encoded multi-level amplitude modulated unicast molecular communication. , 2011, , .		13
27	Secure communication mechanism for ubiquitous Smart grid infrastructure. Journal of Supercomputing, 2013, 64, 435-455.	3.6	12
28	Algorithm for Mesoscopic Advectionâ€“Diffusion. IEEE Transactions on Nanobioscience, 2018, 17, 543-554.	3.3	12
29	Traffic monitoring for capacity allocation of multimedia traffic in ATM broadband networks. Telecommunication Systems, 1998, 9, 173-206.	2.5	11
30	QUATTRO: QoS-Capable Cross-Layer MAC Protocol for Wireless Sensor Networks. , 2009, , .		11
31	Interference Aware Adaptive Clear Channel Assessment for improving ZigBee packet transmission under Wi-Fi interference. , 2013, , .		11
32	Efficient Authentication Mechanism for PEV Charging Infrastructure. , 2011, , .		10
33	Strength Based Receiver Architecture and Communication Range and Rate Dependent Signal Detection Characteristics of Concentration Encoded Molecular Communication. , 2012, , .		10
34	Performance Analysis of Threshold Call Admission Policy for Multi-class Traffic in Low Earth Orbit Mobile Satellite Systems. , 2010, , .		9
35	Title is missing!. Mobile Networks and Applications, 1997, 2, 325-331.	3.3	7
36	MARE: An Efficient Reservation-Based MAC Protocol for IEEE 802.11s Mesh Networks. , 2009, , .		7

#	ARTICLE	IF	CITATIONS
37	Transient characterization of concentration-encoded molecular communication with sinusoidal stimulation. , 2011, , .		7
38	Analysis of the EDCA access mechanism for an IEEE 802.11e-compatible wireless LAN. , 2008, , .		6
39	Secure and robust multipath routings for advanced metering infrastructure. Journal of Supercomputing, 2013, 66, 1071-1092.	3.6	6
40	Probabilistic envelope processes for $\hat{\pm}$ -stable self-similar traffic models and their application to resource provisioning. Performance Evaluation, 2005, 61, 257-279.	1.2	5
41	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
42	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
43	Resilient Security Mechanism for Wireless Ad hoc Network. Wireless Personal Communications, 2011, 56, 385-401.	2.7	4
44	Secure remote access to Smart Energy Home area Networks. , 2012, , .		4
45	Provisioning secure on-demand routing protocol in mobile ad hoc network. , 2011, , .		3
46	Effect of local population uncertainty on cooperation in bacteria. , 2017, , .		3
47	On the dynamic allocation of resources using linear prediction of aggregate network traffic. Computer Communications, 2003, 26, 1341-1352.	5.1	2
48	MAC Layer Label Switching for Wireless Sensor Networks. , 2010, , .		2
49	A trust evaluation model using controlled Markov process for MANET. , 2010, , .		2
50	A probabilistic-based approach towards trust evaluation using Poisson Hidden Markov Models and Bonus Malus Systems. , 2011, , .		2
51	A Protocol for Sink Location Privacy Protection in Wireless Sensor Networks. , 2011, , .		2
52	Multi-domain Public key infrastructure for Vehicle-to-Grid network. , 2015, , .		2
53	Performance evaluation and improvement of TCP/IPv6 over IEEE 802.15.4 under Wi-Fi interference. , 2015, , .		2
54	One Pass Packet Steering (OPPS) for stateless policy chains in multi-subscriber SDN. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
55	An Ethereum-based Energy Trading Protocol (EETP). , 2020, , .		2
56	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
57	Pre-broadcast based time efficient privacy protocol for secure vehicular communications. , 2010, , .		1
58	A Probabilistic-Based Trust Evaluation Model Using Hidden Markov Models and Bonus Malus Systems. , 2011, , .		1
59	An investigative analysis on concentration-encoded subdiffusive molecular communication in nanonetworks. , 2014, , .		1
60	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
61	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
62	Mpls-Based Micro-Mobility Architecture for 5g Vehicular Visible Light Communication Networks. , 2020, , .		1
63	Design and Evaluation of a Receiver for Wired Nano-Communication Networks. IEEE Transactions on Nanobioscience, 2023, 22, 223-236.	3.3	1
64	Enhanced QoS Support in Certified Wireless USB. , 2011, , .		0
65	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
66	Concentration-Encoded Molecular Communication in Nanonetworks. Part 2: Performance Evaluation. Modeling and Optimization in Science and Technologies, 2017, , 35-56.	0.7	0
67	Modeling Interference-Free Neuron Spikes With Optogenetic Stimulation. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2019, 5, 100-111.	2.1	0
68	STOCHASTIC UPPER BOUNDS FOR AGGREGATE NETWORK TRAFFIC WITH MODELING BASED ON FRACTIONAL STABLE NOISE. , 2002, , .		0
69	Dynamic Quality of Service Support in Virtual Private Networks. Lecture Notes in Computer Science, 2005, , 618-621.	1.3	0