

# Jean-Marie Bonnin

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

2,392  
citations

686830

13  
h-index

476904

29  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless sensor networks: a survey on recent developments and potential synergies. Journal of Supercomputing, 2014, 68, 1-48.	2.4	821
2	Cognitive radio for M2M and Internet of Things: A survey. Computer Communications, 2016, 94, 1-29.	3.1	194
3	Routing protocols in Vehicular Delay Tolerant Networks: A comprehensive survey. Computer Communications, 2014, 48, 141-158.	3.1	141
4	Cognitive radio for vehicular ad hoc networks (CR-VANETs): approaches and challenges. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	130
5	An overview and classification of research approaches in green wireless networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	98
6	Quality of Experience Measurements for Video Streaming over Wireless Networks. , 2009, , .		92
7	Radio resource management in emerging heterogeneous wireless networks. Computer Communications, 2011, 34, 1066-1076.	3.1	92
8	Distributed or Centralized Mobility?. , 2009, , .		59
9	QoE-Aware Admission Control for Multimedia Applications in IEEE 802.11 Wireless Networks. , 2008, , .		54
10	Fast pre-authentication based on proactive key distribution for 802.11 infrastructure networks. , 2005, , .		53
11	New control plane in 3GPP LTE/EPC architecture for on-demand connectivity service. , 2013, , .		44
12	Distributed IP mobility management from the perspective of the IETF: motivations, requirements, approaches, comparison, and challenges. IEEE Wireless Communications, 2013, 20, 159-168.	6.6	42
13	Controlling Multimedia QoS in the Future Home Network Using the PSQA Metric. Computer Journal, 2006, 49, 137-155.	1.5	36
14	A Distributed Dynamic Mobility Management Scheme Designed for Flat IP Architectures. , 2008, , .		35
15	A Methodology for Evaluating Vertical Handoff Decision Mechanisms. , 2008, , .		29
16	QoE-based network selection for multimedia users in IEEE 802.11 wireless networks. , 2008, , .		28
17	Q-DRAM: QoE-Based Dynamic Rate Adaptation Mechanism for Multicast in Wireless Networks. , 2009, , .		28
18	Energy-efficient BS switching-off and cell topology management for macro/femto environments. Computer Networks, 2015, 78, 182-201.	3.2	27

#	ARTICLE	IF	CITATIONS
19	HOTA: Handover optimized ticket-based authentication in network-based mobility management. Information Sciences, 2013, 230, 64-77.	4.0	26
20	Host-based distributed mobility management support protocol for IPv6 mobile networks. , 2012, , .		24
21	Towards an Architecture for Mobility Management and Resource Control. , 2008, , .		18
22	Automatic Multi-Interface Management Through Profile Handling. Mobile Networks and Applications, 2009, 14, 4-17.	2.2	17
23	QoE-Aware Scheduling for Video-Streaming in High Speed Downlink Packet Access. , 2010, , .		17
24	QoE-aware vertical handover in wireless heterogeneous networks. , 2011, , .		17
25	An Evaluation of Dynamic Mobility Anchoring. , 2009, , .		16
26	Mobile Data Offloading: A Host-Based Distributed Mobility Management Approach. IEEE Internet Computing, 2014, 18, 20-29.	3.2	14
27	A training-resistant anomaly detection system. Computers and Security, 2018, 76, 1-11.	4.0	14
28	Achieving "Always Best Connected" Through Extensive Profile Management. Lecture Notes in Computer Science, 2004, , 421-430.	1.0	13
29	Adaptive beam scheduling for scalable video multicast in wireless networks. Electronics Letters, 2014, 50, 1165-1167.	0.5	11
30	A multi-criteria BS switching-off algorithm for 5G heterogeneous cellular networks with hybrid energy sources. Transactions on Emerging Telecommunications Technologies, 2016, 27, 923-938.	2.6	10
31	Temporal fairness guarantee in multi-rate wireless LANs for per-flow protection. Wireless Networks, 2007, 13, 237-258.	2.0	9
32	Energy performance of a distributed BS based green cell breathing algorithm. , 2012, , .		9
33	Optimising QoE for Scalable Video multicast over WLAN. , 2013, , .		9
34	Toward a Smart Health-Care Architecture Using WebRTC and WoT. Advances in Intelligent Systems and Computing, 2017, , 531-540.	0.5	9
35	Designing a Header Compression Mechanism for Efficient Use of IP Tunneling in Wireless Networks. , 2010, , .		8
36	Design and formal security evaluation of NeMHIP: A new secure and efficient network mobility management protocol based on the Host Identity Protocol. Computers and Security, 2013, 32, 1-18.	4.0	8

#	ARTICLE	IF	CITATIONS
37	Performance of Wireless Heterogeneous Networks with Always-best-connected Users. , 2009, , .		7
38	Analysis of a green-cell breathing technique in a hybrid access network environment. , 2013, , .		7
39	Collaborative Context Experience in a Phonebook. , 2012, , .		6
40	Securing the Communications in a WoT/WebRTC-based Smart Healthcare Architecture. , 2017, , .		6
41	Optimization of the upstream bandwidth allocation in passive optical networks using internet users' behavior forecast. , 2018, , .		6
42	Mobility aware application manager for mobile networks. , 2008, , .		5
43	Authentication Optimization for Seamless Handovers. , 2007, , .		4
44	Context Management systems applied to mobility. , 2009, , .		4
45	On the benefits of a network-centric implementation for context-aware telecom services. , 2011, , .		4
46	Generalizing Contextual Situations. , 2012, , .		4
47	Performance evaluation of user applications in the ITS scenario: An analytical assessment of the NeMHIP. Journal of Network and Computer Applications, 2013, 36, 1324-1336.	5.8	4
48	Efficiently computing the likelihoods of cyclically interdependent risk scenarios. Computers and Security, 2017, 64, 59-68.	4.0	4
49	The problem of privacy in cooperative intelligent transportation systems (C-ITS). , 2017, , .		4
50	Dynamic reallocation of SLA parameters in passive optical network based on clustering analysis. , 2018, , .		4
51	A Smart Management Framework for Multihomed Mobile Nodes &#x00026; Mobile Routers. , 2009, , .		3
52	Optimising TCP over cognitive radio networks for trains. , 2012, , .		3
53	On the need for adaptive connectivity management in multi-access architectures. , 2012, , .		3
54	Host-based distributed mobility management: Example of traffic offloading. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
55	Dynamic tunneling for network-based distributed mobility management coexisting with PMIPv6. , 2013, , .		3
56	Towards adaptive security mechanisms in 3GPP EPS/LTE networks. , 2013, , .		3
57	A comparative cost analysis of identifier/locator split approaches. , 2014, , .		3
58	Impact of energy-efficient cell-breathing on the electromagnetic radiation levels of mobile phone devices. , 2014, , .		3
59	Specialized network services for WebRTC. , 2015, , .		3
60	A Secure Multi-Tenant Framework for SDN. , 2016, , .		3
61	DC4LED: A Hierarchical VDTN Routing for Data Collection in Smart Cities. , 2019, , .		3
62	Approaches for Offering QoS and Specialized Traffic Treatment for WebRTC. Lecture Notes in Computer Science, 2014, , 59-69.	1.0	3
63	Middleware for multi-interfaces management through profiles handling. , 2008, , .		3
64	Coordinated service and mobility management to maximize user QoE and optimize network resource use. , 2009, , .		2
65	Inter-Terminal Multimedia Session Mobility in Next Generation Networks to Enhance IPTV. , 2010, , .		2
66	Efficient header compression implementation for IP-based ITS communications. , 2012, , .		2
67	Electromagnetic radiation compliance under the use of green cell breathing and hybrid network approaches in LTE. , 2013, , .		2
68	A confident email system based on a new correspondence model. , 2014, , .		2
69	Building a Confident Advanced Email System Using a New Correspondence Model. , 2014, , .		2
70	Effective communicating optimization for V2G with electric bus. , 2016, , .		2
71	Defining a Distributed Architecture for Smart Energy Aware Systems. , 2017, , 83-94.		2
72	Contact Strategy for VDTN Data Collection in Smart Cities. , 2018, , .		2

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73	Network-controlled mobility within radio access networks based on WLAN technologies. Annales Des Telecommunications/Annals of Telecommunications, 2003, 58, 369-396.	1.6	1
74	GIS ITS Bretagne: status and perspectives. , 2006, , .		1
75	The LoCoSS project of GIS ITS Bretagne: status and perspectives. , 2007, , .		1
76	Special Issue About "Recent Advances on MOBILE Wireless MiddleWARE, Operating Systems, and Applications" Mobile Networks and Applications, 2010, 15, 817-818.	2.2	1
77	Enriched connectivity-as-a-service for dynamic Mobile-Cloud. , 2012, , .		1
78	KRAMER: New Social Medium Based on Collaborative Recognition of Important Situations. Computer Journal, 2014, 57, 1296-1317.	1.5	1
79	BYOC: Bring Your Own Control a new concept to monetize SDN's openness. , 2015, , .		1
80	A secure WebRTC/WoT-based health-care architecture enhanced with access control. , 2018, , .		1
81	CityView: A Vehicle Based Image and Data Collection for Smart Cities. , 2019, , .		1
82	A Model to Compare and Manipulate Situations Represented as Semantically Labeled Graphs. Lecture Notes in Computer Science, 2013, , 44-57.	1.0	1
83	Dynamic Risk Analyses and Dependency-Aware Root Cause Model for Critical Infrastructures. Lecture Notes in Computer Science, 2017, , 163-175.	1.0	1
84	A Heuristic Decision Maker Algorithm for Opportunistic Networking in C-ITS. , 2019, , .		1
85	Proactive Decision Making for ITS Communication. Advances in Mechatronics and Mechanical Engineering, 2020, , 197-226.	1.0	1
86	Bringing multi-tunneling management to Ubique framework. , 2006, , .		0
87	An application of the context transfer protocol: IPsec in a IPv6 mobility environment. , 2007, , .		0
88	General strategies for context re-establishment in IEEE 802.11 networks. , 2008, , .		0
89	Header compression for Network Mobility (NEMO). , 2009, , .		0
90	Enabling QoS using packet marking and scheduling in a multi-homed NEMO Mobile Router with GNU/Linux. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
91	On the benefit of context-awareness for security mechanisms in LTE/EPS networks. , 2013, , .		0
92	Evaluation of network solutions for improving WebRTC quality. , 2016, , .		0
93	Intelligent Middle-Ware Architecture for Mobile Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 43-57.	0.2	0
94	Quality of Experience: A New Paradigm for Resource Management in Wireless Multimedia Networks. Recent Patents on Computer Science, 2011, 4, 177-187.	0.5	0
95	Fast and secure handoffs for 802.11 Infrastructure Networks. , 2005, , 61-74.		0