Jose F Monserrat

List of Publications by Year
in descending order

76 papers	1,215 citations	623734 14 h-index	501196 28 g-index
77 all docs	77 docs citations	77 times ranked	1397 citing authors

#	Article	IF	Citations
1	The METIS 5G System Concept: Meeting the 5G Requirements. , 2016, 54, 132-139.		144
2	On the Way towards Fourth-Generation Mobile: 3GPP LTE and LTE-Advanced. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	108
3	Trusted 5G Vehicular Networks: Blockchains and Content-Centric Networking. IEEE Vehicular Technology Magazine, 2018, 13, 121-127.	3.4	100
4	METIS research advances towards the 5G mobile and wireless system definition. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	90
5	Joint Delivery of Unicast and E-MBMS Services in LTE Networks. IEEE Transactions on Broadcasting, 2012, 58, 157-167.	3.2	69
6	V2X Support in 3GPP Specifications: From 4G to 5G and Beyond. IEEE Access, 2020, 8, 190946-190963.	4.2	56
7	IMT-Advanced and next-generation mobile networks [Guest Editorial]. IEEE Communications Magazine, 2011, 49, 82-83.	6.1	52
8	5th generation mobile networks: A new opportunity for the convergence of mobile broadband and broadcast services. , 2015, 53, 198-205.		49
9	The road to IMT-advanced communication systems: State-of-the- art and innovation areas addressed by the WINNER + project. , 2009, 47, 38-47.		35
10	Safety on the Roads: LTE Alternatives for Sending ITS Messages. IEEE Vehicular Technology Magazine, 2014, 9, 61-70.	3.4	35
11	Mobile radio bi-dimensional large-scale fading modelling with site-to-site cross-correlation. European Transactions on Telecommunications, 2008, 19, 101-106.	1.2	31
12	Low-Latency Layer-2-Based Multicast Scheme for Localized V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2962-2975.	8.0	29
13	Implementing opportunistic spectrum access in LTE-advanced. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	25
14	Evaluation of LTE-Advanced connectivity options for the provisioning of V2X services. , 2018, , .		20
15	Application of alternating projection method to ensure feasibility of shadowing cross-correlation models. Electronics Letters, 2007, 43, 724.	1.0	17
16	Effect of Shadowing Correlation Modeling on the System Level Performance of Adaptive Radio Resource Management Techniques. , 2005, , .		16
17	AL-FEC for streaming services in LTE E-MBMS. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	15
18	Localization in Wireless Networks: The Potential of Triangulation Techniques. Wireless Personal Communications, 2013, 68, 1525-1538.	2.7	15

#	Article	IF	Citations
19	Performance Evaluation of Analog Beamforming with Hardware Impairments for mmW Massive MIMO Communication in an Urban Scenario. Sensors, 2016, 16, 1555.	3.8	15
20	A Delay-Centric Dynamic Resource Allocation Algorithm for Wireless Communication Systems Based on HNN. IEEE Transactions on Vehicular Technology, 2008, 57, 3653-3665.	6.3	14
21	Low-Latency Infrastructure-Based Cellular V2V Communications for Multi-Operator Environments With Regional Split. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1052-1067.	8.0	14
22	Minimal Cost Planning of DVB-H Networks on Existing Wireless Infrastructure. , 2006, , .		13
23	Multi-User Non-Coherent Detection for Downlink MIMO Communication. IEEE Signal Processing Letters, 2014, 21, 1225-1229.	3.6	13
24	Traffic safety in the METIS-II 5G connected cars use case: Technology enablers and baseline evaluation. , 2017, , .		12
25	Complete Shadowing Modeling and its Effect on System Level Performance Evaluation. IEEE Vehicular Technology Conference, 2008, , .	0.4	11
26	Cognitive Radio enabling opportunistic spectrum access in LTE-Advanced femtocells. , 2012, , .		11
27	Non-Coherent Open-Loop MIMO Communications Over Temporally-Correlated Channels. IEEE Access, 2016, 4, 6161-6170.	4.2	10
28	5G Functional Architecture and Signaling Enhancements to Support Path Management for eV2X. IEEE Access, 2019, 7, 20484-20498.	4.2	10
29	5G V2V Communication With Antenna Selection Based on Context Awareness: Signaling and Performance Study. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1044-1057.	8.0	10
30	Effect of Channel-Quality Indicator Delay on HSDPA Performance. IEEE Vehicular Technology Conference, 2007, , .	0.4	9
31	An efficient dynamic resource allocation algorithm for packet-switched communication networks based on Hopfield neural excitation method. Neurocomputing, 2008, 71, 3439-3446.	5.9	9
32	Map-Based Channel Model for Urban Macrocell Propagation Scenarios. International Journal of Antennas and Propagation, 2015, 2015, 1-5.	1.2	9
33	User bandwidth usage-driven HNN neuron excitation method for maximum resource utilization within packet-switched communication networks. IEEE Communications Letters, 2006, 10, 766-768.	4.1	8
34	Proportionally fair scheduler for heterogeneous wireless systems. Transactions on Emerging Telecommunications Technologies, 2012, 23, 1-5.	3.9	8
35	LTE/NR V2X Communication Modes and Future Requirements of Intelligent Transportation Systems Based on MR-DC Architectures. Sustainability, 2022, 14, 3879.	3.2	8
36	HSDPA Link Adaptation Improvement Based on Node-B CQI Processing. , 2007, , .		7

#	ARTICLE	IF	CITATIONS
37	Joint Dynamic Resource Allocation for QoS Provisioning in Multi-Access and Multi-Service Wireless Systems. Mobile Networks and Applications, 2010, 15, 627-638.	3.3	7
38	Comparison of multicast/broadcast services in Long Term Evolution Advanced and IEEEâ€‰802.16m networks. Wireless Communications and Mobile Computing, 2014, 14, 717-728.	1.2	7
39	Flexible Numerology in 5G NR: Interference Quantification and Proper Selection Depending on the Scenario. Mobile Information Systems, 2021, 2021, 1-9.	0.6	7
40	5G Spectrum: enabling the future mobile landscape [Guest Editorial]. , 2015, 53, 16-17.		6
41	Hardware testbed for sidelink transmission of 5G waveforms without synchronization. , 2016, , .		6
42	Towards user-centric operation in 5G networks. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	6
43	Distributed Hybrid Precoding for Indoor Deployments Using Millimeter Wave Band. Mobile Information Systems, 2017, 2017, 1-12.	0.6	6
44	Multi-Connectivity Management for 5G V2X Communication. , 2019, , .		6
45	Policy-based channel access mechanism selection for QoS provision in IEEE 802.11e. IEEE Vehicular Technology Magazine, 2007, 2, 29-34.	3.4	5
46	MAC Layer Performance of Different Channel Estimation Techniques in UTRAN LTE Downlink. , 2009, , .		5
47	Performance Assessment of HSDPA Networks From Outdoor Drive-Test Measurements. , 2009, , .		5
48	5G multi-antenna V2V channel modeling with a 3D game engine. , 2018, , .		5
49	Millimeter-Wave Human Blockage Model Enhancements for Directional Antennas and Multiple Blockers. IEEE Communications Letters, 2021, 25, 2776-2780.	4.1	4
50	Hopfield Neural Network Algorithm for Dynamic Resource Allocation in WCDMA Systems. , 2006, , .		3
51	Alternating projection method applied to indefinite correlation matrices for generation of synthetic MIMO channels. AEU - International Journal of Electronics and Communications, 2010, 64, 1-7.	2.9	3
52	Fairness-Driven Fast Resource Allocation for Interference-Free Heterogeneous Networks. IEEE Communications Letters, 2012, 16, 1092-1095.	4.1	3
53	Multi-functional MIMO communication in multi-hop cellular systems. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	3
54	Time-Frequency Grassmannian Signalling for MIMO Multi-Channel-Frequency-Flat Systems. IEEE Communications Letters, 2015, 19, 475-478.	4.1	3

#	Article	IF	Citations
55	On the integration of Grassmannian Constellations into LTE networks: A link-level performance study. , 2017, , .		3
56	Semantic Distributed Data for Vehicular Networks Using the Inter-Planetary File System. Sensors, 2020, 20, 6404.	3.8	3
57	Impact of Shadowing Modelling on TD-CDMA System-level Simulations. , 2006, , .		2
58	Joint Dynamic Resource Allocation for Coupled Heterogeneous Wireless Networks Based on Hopfield Neural Networks. IEEE Vehicular Technology Conference, 2008, , .	0.4	2
59	Temporal Dispersion Characterization of Over-Building Propagation Applied to Iso-Frequency Repeaters. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 509-512.	4.0	2
60	Hopfield neuralâ€networkâ€based dynamic resource allocation scheme for nonâ€realâ€time traffic in wireless networks. International Journal of Communication Systems, 2009, 22, 135-158.	2.5	2
61	Convergence and Stability of Quantized Hopfield Networks Operating in a Fully Parallel Mode. Neural Computation, 2010, 22, 2507-2521.	2.2	2
62	Forced Inter-Operator Handover for V2X Communication in Multi-Operator Environments with Regional Splitting. , 2018, , .		2
63	An Efficient HCF Scheduling Mechanism in Mixed Traffic Scenarios. IEEE Vehicular Technology Conference, 2007, , .	0.4	1
64	Analysis and Validation of a Shadowing Simulation Model Suited for Dynamic and Heterogeneous Wireless Networks. , 2010, , .		1
65	Application of MIH for the lightweight deployment of LTE-advanced systems through mobile relaying. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	1
66	Multicarrier Waveform Harmonization and Complexity Analysis for an Efficient 5G Air Interface Implementation. Wireless Communications and Mobile Computing, 2017, 2017, 1-11.	1.2	1
67	Use Cases, Scenarios, and their Impact on the Mobile Network Ecosystem. , 2018, , 15-34.		1
68	5G Visualization: The METIS-II Project Approach. Mobile Information Systems, 2018, 2018, 1-8.	0.6	1
69	Signaling Reduction in 5G eV2X Communications Based on Vehicle Grouping. , 2019, , .		1
70	Simulator for PROSIMOS (PRiority communications for critical SItuations on MObile networkS) Service. Lecture Notes in Computer Science, 2011, , 74-81.	1.3	1
71	Simplified Model of the Channel Estimation Error in UMTS Link Level Simulations. , 0, , .		0
72	Characterization of the UWB Mobile Radio Channel Time Dispersion at 0.3 - 3GHz Band. , 2006, , .		0

#	Article	IF	Citations
73	Analytical approach to the optimal adaptation rate of reconfigurable radio networks. International Journal of Communication Systems, 2008, 21, 713-730.	2.5	0
74	Fast hopfield neural networks using subspace projections. Neurocomputing, 2010, 73, 1794-1800.	5.9	0
75	Mobile Terminal Session SIR Prediction Method Based on Clustering and Classification Algorithms. , 2010, , .		0
76	Configurable node density generation with application to hotspot modelling. Mathematical and Computer Modelling, 2011, 53, 2229-2237.	2.0	0