

Luca Vollero

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

694
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759233

12
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642732

23
g-index

58
all docs

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58
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensorimotor cortex excitability and connectivity in Alzheimer's disease: A TMS-EEG Co-registration study. <i>Human Brain Mapping</i> , 2016, 37, 2083-2096.	3.6	84
2	Throughput analysis and optimal configuration of 802.11e EDCA. <i>Computer Networks</i> , 2006, 50, 1749-1768.	5.1	73
3	Age-related changes of cortical excitability and connectivity in healthy humans: non-invasive evaluation of sensorimotor network by means of TMS-EEG. <i>Neuroscience</i> , 2017, 357, 255-263.	2.3	42
4	Neurophysiological features of motor cortex excitability and plasticity in Subcortical Ischemic Vascular Dementia: A TMS mapping study. <i>Clinical Neurophysiology</i> , 2015, 126, 906-913.	1.5	39
5	Managing mobility and adaptation in upcoming 802.21 enabled devices. , 2006, , .		38
6	Measuring the effects of first antiepileptic medication in Temporal Lobe Epilepsy: Predictive value of quantitative-EEG analysis. <i>Clinical Neurophysiology</i> , 2021, 132, 25-35.	1.5	38
7	Artificial Intelligence and Computer Vision in Low Back Pain: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10909.	2.6	32
8	LoRaWAN as an e-Health Communication Technology. , 2017, , .		31
9	Age related differences in functional synchronization of EEG activity as evaluated by means of TMS-EEG coregistrations. <i>Neuroscience Letters</i> , 2017, 647, 141-146.	2.1	30
10	A delay model for IEEE 802.11e EDCA. <i>IEEE Communications Letters</i> , 2005, 9, 508-510.	4.1	28
11	Providing Service Guarantees in 802.11e EDCA WLANs with Legacy Stations. <i>IEEE Transactions on Mobile Computing</i> , 2010, 9, 1057-1071.	5.8	26
12	Artificial Intelligence and Computer Aided Diagnosis in Chronic Low Back Pain: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5971.	2.6	23
13	Does an intraneural interface short-term implant for robotic hand control modulate sensorimotor cortical integration? An EEG-TMS co-registration study on a human amputee. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 281-292.	0.7	19
14	TMS-EEG Biomarkers of Amnesic Mild Cognitive Impairment Due to Alzheimer's Disease: A Proof-of-Concept Six Years Prospective Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 737281.	3.4	14
15	Experimental Analysis of Heterogeneous Wireless Networks. <i>Lecture Notes in Computer Science</i> , 2004, , 153-164.	1.3	13
16	ACKS: a technique to reduce the impact of legacy stations in 802.11e EDCA WLANs. <i>IEEE Communications Letters</i> , 2005, 9, 346-348.	4.1	13
17	Advances in the Electronics for Cyclic Voltammetry: the Case of Gas Detection by Using Microfabricated Electrodes. <i>Frontiers in Chemistry</i> , 2018, 6, 327.	3.6	12
18	A CAPWAP-based solution for frequency planning in large scale networks of WiFi Hot-Spots. <i>Computer Communications</i> , 2011, 34, 1283-1293.	5.1	10

#	ARTICLE	IF	CITATIONS
19	Natural language processing in low back pain and spine diseases: A systematic review. <i>Frontiers in Surgery</i> , 0, 9, .	1.4	10
20	An Analysis of Star Topology IEEE 802.11e Networks in the Presence of Hidden Nodes. <i>Information Networking, 2008 ICOIN 2008 International Conference on</i> , 2008, , .	0.0	9
21	Adaptive streaming on heterogeneous networks. , 2005, , .		8
22	CO2 and O2 Detection by Electric Field Sensors. <i>Sensors</i> , 2020, 20, 668.	3.8	8
23	Prediction of Glucose Concentration in Children with Type 1 Diabetes Using Neural Networks: An Edge Computing Application. <i>Bioengineering</i> , 2022, 9, 183.	3.5	8
24	Performance Analysis of 802.11e Networks with Hidden Nodes in a Star Topology. , 2008, , .		7
25	Fast ECG baseline wander removal preserving the ST segment. , 2011, , .		7
26	Reducing the Impact of Legacy Stations on Voice Traffic in 802.11e EDCA WLANs. <i>IEEE Communications Letters</i> , 2007, 11, 331-333.	4.1	6
27	An Open-Source Smart Sensor Architecture for Edge Computing in IoT Applications. <i>Proceedings (mdpi)</i> , 2018, 2, 955.	0.2	6
28	Complex epileptic palilalia: A case report. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 655-657.	2.0	5
29	A Gas Sensor with BLE connectivity for Wearable Applications â€. <i>Proceedings (mdpi)</i> , 2018, 2, 765.	0.2	5
30	Thorough Analysis of 802.11e Star Topology Scenarios in the Presence of Hidden Nodes. <i>Lecture Notes in Computer Science</i> , 2008, , 792-803.	1.3	5
31	A Reactive Approach to QoS Provisioning in IEEE 802.11e WLANs. , 2008, , .		4
32	A framework for modeling and implementing QoS-aware load balancing solutions in WiFi hotspots. , 2014, , .		4
33	A modular telerehabilitation architecture for upper limb robotic therapy. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401668725.	1.6	4
34	QoS Provisioning in IEEE 802.11e WLANs through Reactive Monitoring. , 2007, , .		3
35	Optimal joint load balancing and EDCA configuration of IEEE 802.11 wireless hotspots. <i>International Journal of Communication Systems</i> , 2018, 31, e3455.	2.5	3
36	A Multi-Sensor System for Sea Water Iodide Monitoring and Seafood Quality Assurance: Proof-of-Concept Study. <i>Sensors</i> , 2021, 21, 4464.	3.8	3

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37	ACK Skipping: enabling QoS for multimedia communications in WiFi hot spots. International Journal of High Performance Computing and Networking, 2006, 4, 23.	0.4	2
38	Trading off quality and complexity for a HVQ-based video codec on portable devices. Journal of Visual Communication and Image Representation, 2006, 17, 564-572.	2.8	2
39	A Mobile App for the Remote Monitoring and Assistance of Patients with Parkinson's Disease and their Caregivers. , 2018, 2018, 2909-2912.		2
40	Dynamic Configuration of MAC QoS Mechanisms in 802.11 Access Networks. Lecture Notes in Computer Science, 2006, , 542-553.	1.3	2
41	Problems with Correct Traffic Differentiation in Line Topology IEEE 802.11 EDCA Networks in the Presence of Hidden and Exposed Nodes. Lecture Notes in Computer Science, 2009, , 261-275.	1.3	2
42	Proof of Concept Study of an Electrochemical Sensor for Inland Water Monitoring with a Network Approach. Remote Sensing, 2021, 13, 4026.	4.0	2
43	TRS-TMS: An EEGLAB plugin for the reconstruction of onsets in EEG-TMS datasets. , 2013, , .		1
44	OpenCAPWAP v2.0: the new open-source implementation of the CAPWAP protocol. International Journal of Network Management, 2016, 26, 537-552.	2.2	1
45	An integrated system for the monitoring of therapy and drug's side effects in Lymphoproliferative disorders. , 2017, 2017, 2672-2675.		1
46	A Sensor System for the Monitoring of Production Processes of Low FODMAP Food. Proceedings (mdpi), 2018, 2, 761.	0.2	1
47	Venus by Botticelli and Her Pituitary Adenoma. Endocrine Practice, 2019, 25, 1067-1073.	2.1	1
48	GSP for Virtual Sensors in eHealth Applications. , 2020, , .		1
49	Image sensors and VPU acceleration for data analysis and classification. , 2021, , .		1
50	Heart Rate Analysis through Smartphone Camera. , 2021, , .		1
51	Throughput and Energy Efficiency in IEEE 802.11 WLANs: Friends or Foes?. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 451-462.	0.3	1
52	A 2D segmentation algorithm for the analysis of TBY-2 cells. , 2010, , .		0
53	EKG smoothing and denoising by local quadratic variation reduction. , 2011, , .		0
54	Optimal weighted averaging of event related activity from acquisitions with artifacts. , 2016, 2016, 977-980.		0

#	ARTICLE	IF	CITATIONS
55	Message from the SIS-SS 2018 Workshop Organizers. , 2018, , .		0
56	Edge computing optimization method. Analyzed task: crowd counting. , 2021, , .		0
57	A Delay Monitoring Method for Up-Link Flows in IEEE 802.11e EDCA Networks. , 2009, , .		0