Michele Segata

List of Publications by Year
in descending order

52 papers	1,656 citations	623734 14 h-index	839539 18 g-index
52 all docs	52 docs citations	52 times ranked	1199 citing authors

#	ARTICLE	IF	CITATIONS
1	Plexe: A platooning extension for Veins. , 2014, , .		185
2	A Consensus-Based Approach for Platooning with Intervehicular Communications and Its Validation in Realistic Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 1985-1999.	6.3	151
3	An IEEE 802.11a/g/p OFDM receiver for GNU radio. , 2013, , .		132
4	How Shadowing Hurts Vehicular Communications and How Dynamic Beaconing Can Help. IEEE Transactions on Mobile Computing, 2015, 14, 1411-1421.	5.8	104
5	Veins: The Open Source Vehicular Network Simulation Framework. EAI/Springer Innovations in Communication and Computing, 2019, , 215-252.	1.1	97
6	Toward Communication Strategies for Platooning: Simulative and Experimental Evaluation. IEEE Transactions on Vehicular Technology, 2015, 64, 5411-5423.	6.3	89
7	Performance Assessment of IEEEÂ802.11p with an Open Source SDR-Based Prototype. IEEE Transactions on Mobile Computing, 2018, 17, 1162-1175.	5.8	74
8	A Vehicular Networking Perspective on Estimating Vehicle Collision Probability at Intersections. IEEE Transactions on Vehicular Technology, 2014, 63, 1802-1812.	6.3	72
9	Platooning Maneuvers in Vehicular Networks: A Distributed and Consensus-Based Approach. IEEE Transactions on Intelligent Vehicles, 2019, 4, 59-72.	12.7	68
10	A consensus-based approach for platooning with inter-vehicular communications. , 2015, , .		65
11	Supporting platooning maneuvers through IVC: An initial protocol analysis for the JOIN maneuver. , 2014, , .		50
12	Cooperative Driving and the Tactile Internet. Proceedings of the IEEE, 2019, 107, 436-446.	21.3	50
13	Automatic Emergency Braking: Realistic Analysis of Car Dynamics and Network Performance. IEEE Transactions on Vehicular Technology, 2013, 62, 4150-4161.	6.3	49
14	How shadowing hurts vehicular communications and how dynamic beaconing can help. , 2013, , .		38
15	Towards inter-vehicle communication strategies for platooning support. , 2014, , .		36
16	Towards an Open Source IEEE 802.11p stack: A full SDR-based transceiver in GNU Radio. , 2013, , .		30
17	An Overview on Approaches for Coordination of Platoons. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10049-10065.	8.0	30
18	Jerk Beaconing: A dynamic approach to platooning. , 2015, , .		27

#	Article	IF	Citations
19	Enabling Situation Awareness at Intersections for IVC Congestion Control Mechanisms. IEEE Transactions on Mobile Computing, 2016, 15, 1674-1685.	5.8	27
20	The joint network/control design of platooning algorithms can enforce guaranteed safety constraints. Ad Hoc Networks, 2019, 94, 101962.	5.5	23
21	To crash or not to crash: Estimating its likelihood and potentials of beacon-based IVC systems. , 2012, , .		20
22	A Taxonomy of Optimization Factors for Platooning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6097-6114.	8.0	19
23	Multi-Technology Cooperative Driving: An Analysis Based on PLEXE. IEEE Transactions on Mobile Computing, 2023, 22, 4792-4806.	5.8	19
24	A simulation tool for automated platooning in mixed highway scenarios. , 2012, , .		18
25	Towards energy efficient smart phone applications: Energy models for offloading tasks into the cloud. , 2014, , .		16
26	Towards Infrastructure-Aided Self-Organized Hybrid Platooning. , 2018, , .		14
27	Short paper: Vehicle shadowing distribution depends on vehicle type: Results of an experimental study. , 2013, , .		13
28	A Critical Assessment of C-V2X Resource Allocation Scheme for Platooning Applications. , 2021, , .		13
29	Markov-modulated Models to Estimate the Age of Information in Cooperative Driving. , 2019, , .		10
30	Decoding IEEE 802.11a/g/p OFDM in software using GNU radio. , 2013, , .		9
31	A joint network/control design for cooperative automatic driving. , 2017, , .		9
32	A LiDAR Error Model for Cooperative Driving Simulations. , 2018, , .		9
33	Emergency braking. , 2011, , .		8
34	Communication-based collision avoidance between vulnerable road users and cars. , 2017, , .		8
35	A comparison of mechanisms for compensating negative impacts of system integration. Future Generation Computer Systems, 2021, 116, 117-131.	7.5	8
36	A simulation tool for automated platooning in mixed highway scenarios. Mobile Computing and Communications Review, 2013, 16, 46-49.	1.7	7

#	ARTICLE	IF	CITATIONS
37	Poster: On the effects of cooperative platooning on traffic shock waves. , 2017, , .		7
38	Simulation of 802.11 PHY/MAC: The quest for accuracy and efficiency. , 2012, , .		6
39	Fairness kills safety: A comparative study for intersection assistance applications. , 2014, , .		6
40	Cooperative driving: A comprehensive perspective, the role of communications, and its potential development. Computer Communications, 2022, 193, 82-93.	5.1	6
41	RoCoSys: A framework for coordination of mobile IoT devices. , 2017, , .		5
42	Let's talk in groups: A distributed bursting scheme for cluster-based vehicular applications. Vehicular Communications, 2017, 8, 2-12.	4.0	5
43	Improving BGP Convergence with Fed4FIRE+ Experiments. , 2020, , .		5
44	Distributed EDCA bursting. , 2016, , .		4
45	Towards Adaptive Car-to-Cloud Communication. , 2019, , .		4
46	Closer than Close: MEC-Assisted Platooning with Intelligent Controller Migration. , 2021, , .		4
47	A Modular Simulation Framework for Analyzing Platooning Coordination. , 2019, , .		3
48	On the feasibility of collision detection in full-duplex 802.11 radio. , 2017, , .		1
49	RoRoute: Tools to experiment with routing protocols in WMNs. , 2018, , .		1
50	Centrality-Based Route Recovery in Wireless Mesh Networks. , 2018, , .		1
51	On the Progressive Introduction of Heterogeneous CACC Capabilities. , 2021, , .		1
52	Modeling Slipstreaming Effects in Vehicle Platoons. , 2020, , .		0