Leonhard Lücken

List of Publications by Year
in descending order

20 papers	1,679 citations	1163117 8 h-index	996975 15 g-index
25 all docs	25 docs citations	25 times ranked	1160 citing authors

#	Article	IF	Citations
1	Microscopic Traffic Simulation using SUMO. , 2018, , .		1,404
2	Noise-enhanced coupling between two oscillators with long-term plasticity. Physical Review E, 2016, 93, 032210.	2.1	44
3	Infrastructure Support for Cooperative Maneuvers in Connected and Automated Driving. , 2019, , .		40
4	Two-cluster bifurcations in systems of globally pulse-coupled oscillators. Physica D: Nonlinear Phenomena, 2012, 241, 350-359.	2.8	29
5	Desynchronization boost by non-uniform coordinated reset stimulation in ensembles of pulse-coupled neurons. Frontiers in Computational Neuroscience, 2013, 7, 63.	2.1	29
6	Multistable Jittering in Oscillators with Pulsatile Delayed Feedback. Physical Review Letters, 2015, 114, 178103.	7.8	28
7	A survey on the modeling of hybrid behaviors: How to account for impulsive jumps properly. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 105955.	3.3	28
8	Emergence and combinatorial accumulation of jittering regimes in spiking oscillators with delayed feedback. Physical Review E, 2015, 92, 042914.	2.1	14
9	Spectrum and amplitude equations for scalar delay-differential equations with large delay. Discrete and Continuous Dynamical Systems, 2015, 35, 537-553.	0.9	14
10	Pattern reverberation in networks of excitable systems with connection delays. Chaos, 2017, 27, 013114.	2.5	9
11	On the interpretation of Dirac δ pulses in differential equations for phase oscillators. Chaos, 2021, 31, 031102.	2.5	9
12	Desynchronization by phase slip patterns in networks of pulse-coupled oscillators with delays. European Physical Journal: Special Topics, 2018, 227, 1117-1128.	2.6	8
13	Joint Deployment of Infrastructure-Assisted Traffic Management and Cooperative Driving around Work Zones. , 2020, , .		5
14	From Automated to Manual - Modeling Control Transitions with SUMO. , 0, , .		4
15	On the variation of the crash risk with the total number of bicyclists. European Transport Research Review, 2018, 10, .	4.8	3
16	On the relation between bicycle volumes and individual risks for bicyclists in Berlin. Journal of Transportation Safety and Security, 2020, 12, 210-223.	1.6	3
17	Reinforcement Learning-Based Traffic Control: Mitigating the Adverse Impacts of Control Transitions. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 187-198.	4.8	3
18	Experimental study of jittering chimeras in a ring of excitable units. AIP Conference Proceedings, 2016, , .	0.4	2

#	Article	IF	Citations
19	Modelling Bicycle Infrastructure in SUMO. , 0, , .		1
20	Delay reduction in networks of coupled dynamical systems. IEICE Proceeding Series, 2014, 1, 763-766.	0.0	0