

Gãjbor RÃdÃnyì

List of Publications by Year in descending order

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30
papers

141
citations

1478505

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all docs

30
docs citations

30
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Model Uncertainty Features Relevant to Model Predictive Control of Lateral Vehicle Dynamics. , 2020, , .		0
2	Heterogeneous string stability of unidirectionally interconnected MIMO LTI systems. Automatica, 2019, 103, 354-362.	5.0	14
3	Extensions of ACC Technology Toward Ad Hoc Platooning with Guaranteed String Stability and Improved Tracking Performance. , 2018, , .		0
4	Structure Selection and LPV Model Identification of a Car Steering Dynamics. IFAC-PapersOnLine, 2018, 51, 1086-1091.	0.9	0
5	An Adaptive Spacing Policy Guaranteeing String Stability in Multi-Brand <i>Ad Hoc</i> Platoons. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1902-1912.	8.0	43
6	Vibration analysis of a suspension system subject to high level of measurement noise. , 2017, , .		0
7	String Stability Preserving Adaptive Spacing Policy for Handling Saturation in Heterogeneous Vehicle Platoons * *This work was supported by the János Bolyai Research Scholarship of the Hungarian Academy of Sciences and by the National Research Development and Innovation Fund through the project "EPPAC: Safety and Economic Platform for Partially Automated Commercial vehicles" (VKSZ) Tj ETQq1 1 0.784314 rgBT /Cv	0.9	6
8	AR and ARMA spectral analysis of suspension system of a commercial city bus. , 2016, , .		1
9	Adaptation of spacing policy of autonomous vehicles based on an unknown input and state observer for a virtual predecessor vehicle. , 2016, , .		2
10	Spectral analysis of suspension system of a commercial city bus. , 2016, , .		3
11	Analysis of Input Delay Systems using Integral Quadratic Constraint. , 2016, , .		1
12	Leader and Predecessor Following Robust Controller Synthesis for String Stable Heterogeneous Vehicle Platoons. IFAC-PapersOnLine, 2015, 48, 155-160.	0.9	2
13	Computation of worst-case spacing errors of vehicle platoons based on a skew-1/4 method—This paper was supported by the János Bolyai Research Scholarship of the Hungarian Academy of Sciences.. IFAC-PapersOnLine, 2015, 48, 420-425.	0.9	0
14	Experimental verification of robustness in a semi-autonomous heavy vehicle platoon. Control Engineering Practice, 2014, 28, 13-25.	5.5	13
15	Lyapunov-Krasovskii functionals for evaluating H∞ performance of platoons of communicating vehicles. , 2014, , .		0
16	Worst-Case Performance Analysis in ℓ_1 -norm for an Automated Heavy Vehicle Platoon. Lecture Notes in Electrical Engineering, 2014, , 115-130.	0.4	0
17	Unfalsified uncertainty modeling for computing tight bounds on peak spacing errors in vehicle platoons. , 2013, , .		2
18	Development of an Integrated LPV/LFT Framework: Modeling and Data-Based Validation Tool. IEEE Transactions on Control Systems Technology, 2011, 19, 104-117.	5.2	14

#	ARTICLE	IF	CITATIONS
19	The emergency steering of a heavy truck by front-wheel braking. International Journal of Heavy Vehicle Systems, 2011, 18, 135.	0.2	1
20	Iterative design of structured uncertainty models and robust controllers based on closed-loop data. IET Control Theory and Applications, 2010, 4, 2823-2836.	2.1	6
21	Application of LPV/LFT Modeling and Data-Based Validation to a Re-Entry Vehicle. , 2009, , .		12
22	Robust LPV controller synthesis with uncertainty modeling. , 2009, , .		1
23	Uncertainty remodeling for robust control of linear time-invariant plants. , 2008, , .		2
24	Uncertainty Modeling and Robust Control of LTI Systems Based on Integral Quadratic Constraints. , 2007, , .		1
25	Dynamics of ocular surface topography in healthy subjects. Ophthalmic and Physiological Optics, 2006, 26, 419-425.	2.0	12
26	Integrated uncertainty model identification and robust control synthesis for linear time-invariant systems. , 2006, , .		1
27	A joint structured complex uncertainty identification and ε-synthesis algorithm. , 2006, , .		1
28	Integrated uncertainty model identification and robust control synthesis for linear time-invariant systems. , 2006, , .		0
29	Soft computing modeling and real time model based adaptive control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 253-258.	0.4	0
30	Uncertainty Identification for a Nominal LPV Vehicle Model Based on Experimental Data. , 0, , .		3