

Mikael Nybacka

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

224
citations

1307594

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1125743

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25
all docs

25
docs citations

25
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion planning for autonomous vehicles with the inclusion of post-impact motions for minimising collision risk. <i>Vehicle System Dynamics</i> , 2023, 61, 1707-1733.	3.7	2
2	Active camber for enhancing path following and yaw stability of over-actuated autonomous electric vehicles. <i>Vehicle System Dynamics</i> , 2021, 59, 800-821.	3.7	7
3	Will public transport be relevant in a self-driving future? A demand model simulation of four scenarios for Stockholm, Sweden. <i>Transportation Research Procedia</i> , 2020, 49, 60-69.	1.5	4
4	Evaluating Model Predictive Path Following and Yaw Stability Controllers for Over-Actuated Autonomous Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 12807-12821.	6.3	43
5	Exploring Active Camber for Path Following and Yaw Stability of Autonomous Vehicles. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 1491-1499.	0.4	0
6	Advanced Vehicle State Monitoring: Evaluating Moving Horizon Estimators and Unscented Kalman Filter. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 5430-5442.	6.3	26
7	Pre-Crash Vehicle Control and Manoeuvre Planning: A Step Towards Minimizing Collision Severity for Highly Automated Vehicles. , 2019, , .		6
8	Machine learning to classify and predict objective and subjective assessments of vehicle dynamics: the case of steering feel. <i>Vehicle System Dynamics</i> , 2018, 56, 150-171.	3.7	14
9	Analysis and optimisation of objective vehicle dynamics testing in winter conditions. <i>Vehicle System Dynamics</i> , 2017, 55, 945-969.	3.7	7
10	Study on Energy Loss due to Cornering Resistance in Over-Actuated Vehicles using Optimal Control. <i>SAE International Journal of Vehicle Dynamics, Stability, and NVH</i> , 2017, 1, 263-269.	0.5	7
11	Objective metrics for vehicle handling and steering and their correlations with subjective assessments. <i>International Journal of Automotive Technology</i> , 2016, 17, 777-794.	1.4	8
12	Correlations of subjective assessments and objective metrics for vehicle handling and steering: a walk through history. <i>International Journal of Vehicle Design</i> , 2016, 72, 17.	0.3	6
13	Findings from subjective evaluations and driver ratings of vehicle dynamics: steering and handling. <i>Vehicle System Dynamics</i> , 2015, 53, 1416-1438.	3.7	11
14	Links between subjective assessments and objective metrics for steering, and evaluation of driver ratings. <i>Vehicle System Dynamics</i> , 2014, 52, 31-50.	3.7	23
15	Links between subjective assessments and objective metrics for steering. <i>International Journal of Automotive Technology</i> , 2014, 15, 893-907.	1.4	17
16	Design and Implementation of an Experimental Research and Concept Demonstration Vehicle. , 2014, , .		16
17	Renewing industry cluster development via interregional industry-university links. <i>International Journal of Innovation and Regional Development</i> , 2011, 3, 604.	0.1	3
18	Prospective service innovation in automotive testing: beyond distributed technology. <i>International Journal of Technology Intelligence and Planning</i> , 2010, 6, 14.	0.3	7

#	ARTICLE	IF	CITATIONS
19	Opportunities in Automotive Winter Testing. , 2009, , .		1
20	Collaboration in automotive winter testing. International Federation for Information Processing, 2007, , 211-220.	0.4	4
21	Distributed Real-Time Vehicle Validation. , 2006, , 805.		5
22	Using Timber in a Multi-Body Design Environment to Develop Reliable Embedded Software. , 0, , .		0
23	Electric Power Assist Steering System Parameterization and Optimisation Employing Computer-Aided Engineering. , 0, , .		5
24	Improving Subjective Assessment of Vehicle Dynamics Evaluations by means of Computer-Tablets as Digital Aid. , 0, , .		2
25	Towards a better understanding of the health impacts of oneâ€™s movement in space and time. Journal of Location Based Services, 0, , 1-24.	1.9	0