

Osamu Nishihara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9621148/publications.pdf>

Version: 2024-02-01

18
papers

762
citations

1040056

9
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Solutions to H ∞ and H ₂ Optimization of Dynamic Vibration Absorbers Attached to Damped Linear Systems. Journal of Vibration and Acoustics, Transactions of the ASME, 2002, 124, 284-295.	1.6	285
2	Closed-Form Solutions to the Exact Optimizations of Dynamic Vibration Absorbers (Minimizations of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf the ASME, 2002, 124, 576-582.	1.6	158
3	Closed-Form Exact Solution to H ∞ Optimization of Dynamic Vibration Absorbers (Application to) Tj ETQq1 1 0.784314 rgBT /Overlock of the ASME, 2003, 125, 398-405.	1.6	90
4	Automatic path-tracking controller of a four-wheel steering vehicle. Vehicle System Dynamics, 2009, 47, 1205-1227.	3.7	86
5	Analytical and Experimental Evaluation of an Air Damped Dynamic Vibration Absorber: Design Optimizations of the Three-Element Type Model. Journal of Vibration and Acoustics, Transactions of the ASME, 1999, 121, 334-342.	1.6	51
6	Estimation of Road Friction Coefficient Based on the Brush Model. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	1.6	20
7	Trajectory Tracking and Integrated Chassis Control for Obstacle Avoidance With Minimum Jerk. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4625-4641.	8.0	14
8	Optimization of Lateral and Driving/Braking Force Distribution of Independent Steering Vehicle (Minimax Optimization of Tire Workload). Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2006, 72, 537-544.	0.2	13
9	Minimization of maximum amplitude magnification factor in designing double-mass dynamic vibration absorbers (Application of optimality criteria method to parallel and series types). Transactions of the JSME (in Japanese), 2017, 83, 16-00549-16-00549.	0.2	9
10	Driving/Braking Force Distribution by Minimax Optimization of Tire Workload (Case of Active) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 of the Japan Society of Mechanical Engineers, Part C, 2005, 71, 1238-1246.	0.2	8
11	Exact Optimization of Four-Wheel Steering and Four-Wheel Independent Driving/Braking Force Distribution with Minimax Criterion of Tire Workload. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2013, 79, 629-644.	0.2	8
12	Nondimensionalized Univariate Equation Characterizing Optimal State Feedback Control for Collision Avoidance. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3344-3359.	8.0	8
13	Estimation of Road Friction Coefficient Based on the Brush Model(<Special Issue>D & D) Tj ETQq1 1 0.784314 rgBT /Overlock Engineers, Part C, 2009, 75, 1516-1524.	0.2	6
14	Minimum Resultant Vehicle Force Optimal State Feedback Control for Obstacle Avoidance. IEEE Transactions on Control Systems Technology, 2020, 28, 1846-1861.	5.2	5
15	Dynamic Optimum Distributions of Lateral and Longitudinal Tire Forces in Four-Wheel Independent Steering Vehicles : Tire Force Distribution Patterns and Optimality Criteria Method(Mechanical) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Engineers, Part C, 2010, 76, 3577-3586.	0.2	1
16	Experimental Reproduction of Accident Prone Area Using a Driving Simulator and Behavioral Analyses in Traffic Conflicts. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2008, 74, 250-258.	0.2	0
17	Real-time simulation of SBW vehicles and driving activities of elderly drivers. The Proceedings of the Symposium on the Motion and Vibration Control, 2003, 2003.8, 495-498.	0.0	0
18	126 Compensation Control for Driver's Response Time in Active Steering Vehicle. The Proceedings of the Dynamics & Design Conference, 2011, 2011, _126-1_-_126-8_.	0.0	0