

Navid Mohajer

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

357
citations

1163117
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11
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24
all docs

24
docs citations

24
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Review and performance evaluation of path tracking controllers of autonomous vehicles. IET Intelligent Transport Systems, 2021, 15, 646-670.	3.0	68
2	Vehicle motion simulators, a key step towards road vehicle dynamics improvement. Vehicle System Dynamics, 2015, 53, 1204-1226.	3.7	42
3	Directional and sectional ride comfort estimation using an integrated human biomechanical-seat foam model. Journal of Sound and Vibration, 2017, 403, 38-58.	3.9	33
4	Model Predictive Control With Learned Vehicle Dynamics for Autonomous Vehicle Path Tracking. IEEE Access, 2021, 9, 128233-128249.	4.2	30
5	Human passive motions and a user-friendly energy harvesting system. Journal of Intelligent Material Systems and Structures, 2014, 25, 923-936.	2.5	21
6	Evaluation of the Path Tracking Performance of Autonomous Vehicles Using the Universal Motion Simulator. , 2018, , .		20
7	Enhancing Passenger Comfort in Autonomous Vehicles Through Vehicle Handling Analysis and Optimization. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 156-173.	3.8	18
8	A smart HMI for driving safety using emotion prediction of EEG signals. , 2016, , .		15
9	NMPC-based Controller for Autonomous Vehicles Considering Handling Performance. , 2019, , .		15
10	Learning-based Model Predictive Control for Path Tracking Control of Autonomous Vehicle. , 2020, , .		14
11	Dynamic response multiobjective optimization of road vehicle ride qualityâ€”A computational multibody system approach. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2017, 231, 316-332.	0.8	13
12	On the simulation-based objective estimation of road vehicle ride comfort. , 2017, , .		11
13	Human Activity Recognition from Knee Angle Using Machine Learning Techniques. , 2021, , .		10
14	Effects of Road Path Profiles on Autonomous Vehiclesâ€™ Handling Behaviour. , 2020, , .		9
15	Human-Tailored Data-Driven Control System of Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 2485-2500.	6.3	8
16	Effective adoption of vehicle models for autonomous vehicle path tracking: a switched MPC approach. Vehicle System Dynamics, 2023, 61, 1236-1259.	3.7	7
17	An Efficient Design Solution for a Low-Cost High-G Centrifuge System. IEEE/ASME Transactions on Mechatronics, 2021, 26, 134-145.	5.8	6
18	A Customisable Longitudinal Controller of Autonomous Vehicle using Data-driven MPC. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
19	Motion and dynamic analyses of a human centrifuge system with an efficient design configuration. Aerospace Science and Technology, 2021, 117, 106972.	4.8	4
20	Modeling and electrical optimization of a designed Piezoelectric-based vibration Energy Harvesting System. , 2013, , .		3
21	Design and Development of a Low-Cost High-G Centrifuge System (Cyclone). , 2019, , .		3
22	Semi-Active Assistive Exoskeleton System for Elbow Joint. , 2021, , .		2
23	Human energy harvesting adapted for portable electronics applications. , 2015, , .		0
24	Evaluation of Design Optimisation Techniques in Structural Framing. , 2021, , .		0