

Hui Liu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

424
citations

933447

10
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial stiffness design of a high-static-low-dynamic-stiffness vibration isolator based on static and dynamic analysis. <i>International Journal of Mechanical Sciences</i> , 2018, 142-143, 235-244.	6.7	98
2	Real-time optimal energy management strategy for a dual-mode power-split hybrid electric vehicle based on an explicit model predictive control algorithm. <i>Energy</i> , 2019, 172, 1161-1178.	8.8	82
3	Markov velocity predictor and radial basis function neural network-based real-time energy management strategy for plug-in hybrid electric vehicles. <i>Energy</i> , 2018, 152, 427-444.	8.8	49
4	Reducing variable frequency vibrations in a powertrain system with an adaptive tuned vibration absorber group. <i>Journal of Sound and Vibration</i> , 2018, 425, 82-101.	3.9	31
5	Energy Management for a Hybrid Electric Vehicle Based on Blended Reinforcement Learning With Backward Focusing and Prioritized Sweeping. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 3136-3148.	6.3	31
6	Active damping of driveline vibration in power-split hybrid vehicles based on model reference control. <i>Control Engineering Practice</i> , 2019, 91, 104085.	5.5	23
7	An indirect reinforcement learning based real-time energy management strategy via high-order Markov Chain model for a hybrid electric vehicle. <i>Energy</i> , 2021, 236, 121337.	8.8	23
8	Modelling and active damping of engine torque ripple in a power-split hybrid electric vehicle. <i>Control Engineering Practice</i> , 2020, 104, 104634.	5.5	20
9	Application of an adaptive tuned vibration absorber on a dual lay-shaft dual clutch transmission powertrain for vibration reduction. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 725-744.	8.0	14
10	Effects of Temperature on the Time-Varying Mesh Stiffness, Vibration Response, and Support Force of a Multi-Stage Planetary Gear. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2020, 142, .	1.6	14
11	A model-predictive-control-based power management strategy for a power-split electromechanical transmission. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016, 230, 1987-2001.	1.9	12
12	Adaptive equivalent consumption minimisation strategy and dynamic control allocation-based optimal power management strategy for four-wheel drive hybrid electric vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019, 233, 3125-3146.	1.9	6
13	Hierarchical energy management strategy considering switching schedule for a dual-mode hybrid electric vehicle. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2022, 236, 938-949.	1.9	6
14	Modal properties of a two-stage planetary gear system with a Timoshenko beam as the intermediate shaft model. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2022, 236, 353-365.	1.9	5
15	Control Strategy for an Electromechanical Transmission Vehicle Based on a Double Markov Process. <i>International Journal of Automotive Technology</i> , 2021, 22, 761-770.	1.4	4
16	Torque ripple compensation control for hybrid UGVs in mode transition based on current harmonic control of a PMSM. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 920-932.	1.9	4
17	A multi-objective regenerative braking control strategy combining with velocity optimization for connected vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 0, , 095440702210859.	1.9	1
18	Dynamic responses of electromechanical transmission system based on a nonlinear hybrid model. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 0, , 095440702211048.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Attitude control strategy for unmanned wheel-legged hybrid vehicles considering the contact of the wheels and ground. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702110583.	1.9	0
20	Research on real-time control strategy of multi-power flow of dual-mode power-split hybrid electric vehicle. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702110652.	1.9	0
21	Master-slave synchronous control method for attenuating dual mode electromechanical transmission system torsional vibration. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842211048.	2.9	0