Lin Yang

List of Publications by Year
in descending order

15	206	1163117 8	1474206 9
papers	citations	h-index	g-index

15	15	15	186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State observer-based sliding mode control for semi-active hydro-pneumatic suspension. Vehicle System Dynamics, 2016, 54, 168-190.	3.7	38
2	On-line estimation of road profile in semi-active suspension based on unsprung mass acceleration. Mechanical Systems and Signal Processing, 2020, 135, 106370.	8.0	35
3	Optimal Path Planning and Speed Control Integration Strategy for UGVs in Static and Dynamic Environments. IEEE Transactions on Vehicular Technology, 2020, 69, 10619-10629.	6.3	27
4	Investigation on the dynamic performance of a new semi-active hydro-pneumatic inerter-based suspension system with MPC control strategy. Mechanical Systems and Signal Processing, 2021, 154, 107569.	8.0	26
5	Switching control of semi-active suspension based on road profile estimation. Vehicle System Dynamics, 2022, 60, 1972-1992.	3.7	20
6	Trajectory control for tire burst vehicle using the standalone and roll interconnected active suspensions with safety-comfort control strategy. Mechanical Systems and Signal Processing, 2020, 142, 106776.	8.0	18
7	A comparative study of lumped equivalent circuit models of a lithium battery for state of charge prediction. International Journal of Energy Research, 2019, 43, 7306.	4.5	14
8	Performance analysis of a new hydropneumatic inerter-based suspension system with semi-active control effect. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 1883-1896.	1.9	13
9	Observer-based hybrid control algorithm for semi-active suspension systems. Journal of Central South University, 2016, 23, 2268-2275.	3.0	7
10	Modelling and control of a semi-active dual-chamber hydro-pneumatic inerter-based suspension system. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702199091.	1.9	7
11	Multi-objective optimization design of hydropneumatic suspension with gasâ€“oil emulsion for ride comfort and handling stability of an articulated dumper truck. Engineering Optimization, 0, , 1-20.	2.6	1
12	Research on relation between two evaluation methods of random input ride comfort for off-road vehicle. , 2010, , .		0
13	Application of Dynamic Vibration Absorber in Torsional Vibration Optimization of Transmission System. , 2018, , .		0
14	Longitudinal Dynamic Control under Complex Driving Conditions via Fuzzy Logic Sliding-mode Control. , 2019, , .		0
15	A hybrid method of predicting the acoustical properties of multi-layered materials. JVC/Journal of Vibration and Control, 0, , 107754632110381.	2.6	0