Li Zhai

List of Publications by Year
in descending order

29 papers	1,789 citations	840585 11 h-index	642610 23 g-index
30 all docs	30 docs citations	30 times ranked	2770 citing authors

#	Article	IF	Citations
1	Two-level optimal torque distribution for handling stability control of a four hub-motor independent-drive electric vehicle under various adhesion conditions. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 544-559.	1.1	2
2	A Post Impact Stability Control for Four Hub-Motor Independent-Drive Electric Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 1384-1396.	3.9	10
3	Handling stability control strategy for fourâ€wheel hub motorâ€driven vehicle based on adaptive control for road adhesion. IET Intelligent Transport Systems, 2022, 16, 586-601.	1.7	4
4	MPC-Based Integrated Control of Trajectory Tracking and Handling Stability for Intelligent Driving Vehicle Driven by Four Hub Motor. IEEE Transactions on Vehicular Technology, 2022, 71, 2668-2680.	3.9	33
5	EMI Prediction and Suppression of DC-DC Converter. Key Technologies on New Energy Vehicles, 2021, , 193-222.	0.2	0
6	Comparison of Two Filter Design Methods for Conducted EMI Suppression of PMSM Drive System for Electric Vehicle. IEEE Transactions on Vehicular Technology, 2021, 70, 6472-6484.	3.9	8
7	Steering Stability Control for Four-Motor Distributed Drive High-Speed Tracked Vehicles. IEEE Access, 2020, 8, 94968-94983.	2.6	11
8	Comparison of Two Design Methods of EMI Filter for High Voltage Power Supply in DC-DC Converter of Electric Vehicle. IEEE Access, 2020, 8, 66564-66577.	2.6	21
9	Adaptive Steering Stability Control for A Four In-Wheel-Motor Independent-Drive Electric Vehicle. Lecture Notes in Electrical Engineering, 2020, , 323-336.	0.3	1
10	Steering Stability Control of a Four In-Wheel Motor Drive Electric Vehicle on a Road With Varying Adhesion Coefficient. IEEE Access, 2019, 7, 32617-32627.	2.6	31
11	Research on Magnetic Field Distribution and Characteristics of a 3.7 kW Wireless Charging System for Electric Vehicles under Offset. Energies, 2019, 12, 392.	1.6	12
12	Steering Stability Control for a Four Hub-Motor Independent-Drive Electric Vehicle with Varying Adhesion Coefficient. Energies, 2018, 11, 2438.	1.6	10
13	Magnetic field distribution of resonance coupling coils of wireless charging system for EV. , 2018, , .		0
14	Continuous Steering Stability Control Based on an Energy-Saving Torque Distribution Algorithm for a Four in-Wheel-Motor Independent-Drive Electric Vehicle. Energies, 2018, 11, 350.	1.6	38
15	Mitigation Conducted Emission Strategy Based on Transfer Function from a DC-Fed Wireless Charging System for Electric Vehicles. Energies, 2018, 11, 477.	1.6	8
16	Conducted EMI Prediction and Mitigation Strategy Based on Transfer Function for a High-Low Voltage DC-DC Converter in Electric Vehicle. Energies, 2018, 11, 1028.	1.6	17
17	A Power Coupling System for Electric Tracked Vehicles during High-Speed Steering with Optimization-Based Torque Distribution Control. Energies, 2018, 11, 1538.	1.6	8
18	Straight Running Stability Control Based on Optimal Torque Distribution for a Four in-wheel Motor Drive Electric Vehicle. Energy Procedia, 2017, 105, 2825-2830.	1.8	15

#	Article	IF	Citations
19	Conducted EMI from motor drive system of electric vehicle under load operation. , 2017, , .		8
20	The Effect of Distributed Parameters on Conducted EMI from DC-Fed Motor Drive Systems in Electric Vehicles. Energies, 2017, 10, 1.	1.6	1,186
21	Investigation on a Power Coupling Steering System for Dual-Motor Drive Tracked Vehicles Based on Speed Control. Energies, 2017, 10, 1118.	1.6	8
22	Mitigation Emission Strategy Based on Resonances from a Power Inverter System in Electric Vehicles. Energies, 2016, 9, 419.	1.6	16
23	Mitigation conducted-EMI emission strategy based on distributed parameters of power inverter system in electric vehicle. , 2016, , .		3
24	Investigation of Energy Efficient Power Coupling Steering System for Dual Motors Drive High Speed Tracked Vehicle. Energy Procedia, 2016, 104, 372-377.	1.8	4
25	Diagnosis Method of Radiated Emission from Battery Management System for Electric Vehicle. Energy Procedia, 2016, 88, 662-667.	1.8	4
26	Electronic Stability Control Based on Motor Driving and Braking Torque Distribution for a Four In-Wheel Motor Drive Electric Vehicle. IEEE Transactions on Vehicular Technology, 2016, 65, 4726-4739.	3.9	256
27	A Measurement-Based Model of the Electromagnetic Emissions From a Power Inverter. IEEE Transactions on Power Electronics, 2015, 30, 5522-5531.	5.4	48
28	Study on acceleration slip regulation torque distribution control strategy for four in-wheel-motors electric vehicle steering. , 2013, , .		4
29	Electronic differential speed steering control for four in-wheel motors independent drive vehicle. , 2011, , .		23