

Li Zhai

List of Publications by Year in descending order

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29
papers

1,789
citations

840776

11
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

2770
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Distributed Parameters on Conducted EMI from DC-Fed Motor Drive Systems in Electric Vehicles. <i>Energies</i> , 2017, 10, 1.	3.1	1,186
2	Electronic Stability Control Based on Motor Driving and Braking Torque Distribution for a Four In-Wheel Motor Drive Electric Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 4726-4739.	6.3	256
3	A Measurement-Based Model of the Electromagnetic Emissions From a Power Inverter. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 5522-5531.	7.9	48
4	Continuous Steering Stability Control Based on an Energy-Saving Torque Distribution Algorithm for a Four in-Wheel-Motor Independent-Drive Electric Vehicle. <i>Energies</i> , 2018, 11, 350.	3.1	38
5	MPC-Based Integrated Control of Trajectory Tracking and Handling Stability for Intelligent Driving Vehicle Driven by Four Hub Motor. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 2668-2680.	6.3	33
6	Steering Stability Control of a Four In-Wheel Motor Drive Electric Vehicle on a Road With Varying Adhesion Coefficient. <i>IEEE Access</i> , 2019, 7, 32617-32627.	4.2	31
7	Electronic differential speed steering control for four in-wheel motors independent drive vehicle. , 2011, , .		23
8	Comparison of Two Design Methods of EMI Filter for High Voltage Power Supply in DC-DC Converter of Electric Vehicle. <i>IEEE Access</i> , 2020, 8, 66564-66577.	4.2	21
9	Conducted EMI Prediction and Mitigation Strategy Based on Transfer Function for a High-Low Voltage DC-DC Converter in Electric Vehicle. <i>Energies</i> , 2018, 11, 1028.	3.1	17
10	Mitigation Emission Strategy Based on Resonances from a Power Inverter System in Electric Vehicles. <i>Energies</i> , 2016, 9, 419.	3.1	16
11	Straight Running Stability Control Based on Optimal Torque Distribution for a Four in-wheel Motor Drive Electric Vehicle. <i>Energy Procedia</i> , 2017, 105, 2825-2830.	1.8	15
12	Research on Magnetic Field Distribution and Characteristics of a 3.7 kW Wireless Charging System for Electric Vehicles under Offset. <i>Energies</i> , 2019, 12, 392.	3.1	12
13	Steering Stability Control for Four-Motor Distributed Drive High-Speed Tracked Vehicles. <i>IEEE Access</i> , 2020, 8, 94968-94983.	4.2	11
14	Steering Stability Control for a Four Hub-Motor Independent-Drive Electric Vehicle with Varying Adhesion Coefficient. <i>Energies</i> , 2018, 11, 2438.	3.1	10
15	A Post Impact Stability Control for Four Hub-Motor Independent-Drive Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 1384-1396.	6.3	10
16	Conducted EMI from motor drive system of electric vehicle under load operation. , 2017, , .		8
17	Investigation on a Power Coupling Steering System for Dual-Motor Drive Tracked Vehicles Based on Speed Control. <i>Energies</i> , 2017, 10, 1118.	3.1	8
18	Mitigation Conducted Emission Strategy Based on Transfer Function from a DC-Fed Wireless Charging System for Electric Vehicles. <i>Energies</i> , 2018, 11, 477.	3.1	8

#	ARTICLE	IF	CITATIONS
19	A Power Coupling System for Electric Tracked Vehicles during High-Speed Steering with Optimization-Based Torque Distribution Control. <i>Energies</i> , 2018, 11, 1538.	3.1	8
20	Comparison of Two Filter Design Methods for Conducted EMI Suppression of PMSM Drive System for Electric Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 6472-6484.	6.3	8
21	Study on acceleration slip regulation torque distribution control strategy for four in-wheel-motors electric vehicle steering. , 2013, , .		4
22	Investigation of Energy Efficient Power Coupling Steering System for Dual Motors Drive High Speed Tracked Vehicle. <i>Energy Procedia</i> , 2016, 104, 372-377.	1.8	4
23	Diagnosis Method of Radiated Emission from Battery Management System for Electric Vehicle. <i>Energy Procedia</i> , 2016, 88, 662-667.	1.8	4
24	Handling stability control strategy for four-wheel hub motor-driven vehicle based on adaptive control for road adhesion. <i>IET Intelligent Transport Systems</i> , 2022, 16, 586-601.	3.0	4
25	Mitigation conducted-EMI emission strategy based on distributed parameters of power inverter system in electric vehicle. , 2016, , .		3
26	Two-level optimal torque distribution for handling stability control of a four hub-motor independent-drive electric vehicle under various adhesion conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2023, 237, 544-559.	1.9	2
27	Adaptive Steering Stability Control for A Four In-Wheel-Motor Independent-Drive Electric Vehicle. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 323-336.	0.4	1
28	Magnetic field distribution of resonance coupling coils of wireless charging system for EV. , 2018, , .		0
29	EMI Prediction and Suppression of DC-DC Converter. <i>Key Technologies on New Energy Vehicles</i> , 2021, , 193-222.	0.6	0