

Jianhui Zhao

List of Publications by Year in descending order

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16
papers

169
citations

1307594

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1125743

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16
all docs

16
docs citations

16
times ranked

84
citing authors

#	ARTICLE	IF	CITATIONS
1	Different boost voltage effects on the dynamic response and energy losses of high-speed solenoid valves. <i>Applied Thermal Engineering</i> , 2017, 123, 1494-1503.	6.0	43
2	Hold current effects on the power losses of high-speed solenoid valve for common-rail injector. <i>Applied Thermal Engineering</i> , 2018, 128, 1579-1587.	6.0	31
3	Limit of Fuel Injection Rate in the Common Rail System under Ultra-High Pressures. <i>International Journal of Automotive Technology</i> , 2020, 21, 649-656.	1.4	18
4	Investigation on Electromagnetic Models of High-Speed Solenoid Valve for Common Rail Injector. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-10.	1.1	11
5	Effects of structure parameters on the static electromagnetic characteristics of high speed solenoid valves. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017, 55, 45-60.	0.6	10
6	Temperature and frequency dependence of electrical iron effects on electromagnetic characteristics of high-speed solenoid valve for common rail injector. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 60, 173-185.	0.6	10
7	The fluid-structure-thermal coupled characteristics of the leakage rate of piston couples interface for common-rail injector. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 5826-5835.	2.1	9
8	Experimental study on the fuel heating at the nozzle of the high pressure common-rail injector. <i>Fuel</i> , 2021, 283, 119281.	6.4	7
9	Topological Transient Models of Three-Phase, Three-Legged Transformer. <i>IEEE Access</i> , 2019, 7, 102519-102529.	4.2	6
10	Eddy current effects on the dynamic response of high-speed solenoid valve for common rail injector. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2020, 62, 607-618.	0.6	6
11	Duality-Derived Models of High-Speed Electromagnetic Valves. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 9876-9884.	7.9	5
12	Methods for calculating fuel heating in electrically controlled injectors of Common Rail diesel systems. <i>Fuel</i> , 2021, 305, 121526.	6.4	5
13	Fast-Response solenoid actuator computational dimulation for engine fuel systems. , 2017, , .		4
14	Physical Cauer circuits in nonlinear eddy-current modeling. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 508, 166850.	2.3	3
15	Effect of Fuel Temperature on Operation of High-speed Electromagnetic Actuator Common Rail Injector. , 2019, , .		1
16	Study on Transient Fuel Hydrodynamic Force Characteristics of High-Speed Solenoid Valve for Common Rail Injector. <i>International Journal of Automotive Technology</i> , 2020, 21, 1257-1269.	1.4	0