

Xing Chen

List of Publications by Year in descending order

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15
papers

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1163117

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15
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15
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive torsional vibration active control for hybrid electric powertrains during start-up based on model prediction. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 2219-2229.	1.9	10
2	Model and experimental verification of a four degrees-of-freedom rotor considering combined eccentricity and electromagnetic effects. Mechanical Systems and Signal Processing, 2022, 169, 108740.	8.0	7
3	Research on dynamic load spectrum of electric vehicle transmission system based on underdamping characteristic. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 3296-3308.	1.9	1
4	False Data Injection Attack Modeling and Impact on Vehicle Platooning. , 2021, , .		1
5	Investigation of electromechanical coupling lateral/torsional vibration in a high-speed rotating continuous flexible shaft of PMSM. Applied Mathematical Modelling, 2020, 77, 506-521.	4.2	8
6	An investigation on lateral and torsional coupled vibrations of high power density PMSM rotor caused by electromagnetic excitation. Nonlinear Dynamics, 2020, 99, 1975-1988.	5.2	8
7	Chaos Suppression for Coupled Electromechanical Torsional Vibrations in a High-Speed Permanent Magnet Synchronous Motor Driven System via Multitime Delayed Feedback Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050128.	1.7	3
8	Adaptive Authority Allocation of Human-Automation Shared Control for Autonomous Vehicle. International Journal of Automotive Technology, 2020, 21, 541-553.	1.4	9
9	A Steering-Following Dynamic Model with Driver's NMS Characteristic for Human-Vehicle Shared Control. Applied Sciences (Switzerland), 2020, 10, 2626.	2.5	3
10	Advanced Angle Field Weakening Control Strategy of Permanent Magnet Synchronous Motor. IEEE Transactions on Vehicular Technology, 2019, 68, 3424-3435.	6.3	41
11	Investigation of electromechanical coupling torsional vibration and stability in a high-speed permanent magnet synchronous motor driven system. Applied Mathematical Modelling, 2018, 64, 235-248.	4.2	33
12	Bifurcation and chaos analysis of torsional vibration in a PMSM-based driven system considering electromechanically coupled effect. Nonlinear Dynamics, 2017, 88, 277-292.	5.2	45
13	An analytical model of unbalanced magnetic pull for PMSM used in electric vehicle: Numerical and experimental validation. International Journal of Applied Electromagnetics and Mechanics, 2017, 54, 583-596.	0.6	18
14	Modeling of electromagnetic torque considering saturation and magnetic field harmonics in permanent magnet synchronous motor for HEV. Simulation Modelling Practice and Theory, 2016, 66, 212-225.	3.8	45
15	Nonlinear vibration for PMSM used in HEV considering mechanical and magnetic coupling effects. Nonlinear Dynamics, 2015, 80, 541-552.	5.2	54