

# Xing Chen

## List of Publications by Year in descending order

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15  
papers

286  
citations

1163117

8  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

226  
citing authors

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