WenZhe Deng

List of Publications by Year
in descending order

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16	621	932766 10	996533 15
papers	citations	h-index	g-index

16	16	16	380
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling and Analysis of Electromagnetic Force, Vibration, and Noise in Permanent-Magnet Synchronous Motor Considering Current Harmonics. IEEE Transactions on Industrial Electronics, 2016, 63, 7455-7466.	5.2	186
2	Electromagnetic Vibration and Noise of the Permanent-Magnet Synchronous Motors for Electric Vehicles: An Overview. IEEE Transactions on Transportation Electrification, 2019, 5, 59-70.	5.3	121
3	Axial Force and Vibroacoustic Analysis of External-Rotor Axial-Flux Motors. IEEE Transactions on Industrial Electronics, 2018, 65, 2018-2030.	5.2	62
4	Noise Prediction and Sound Quality Analysis of Variable-Speed Permanent Magnet Synchronous Motor. IEEE Transactions on Energy Conversion, 2017, 32, 698-706.	3.7	54
5	Analytical Modeling of the Electromagnetic Vibration and Noise for an External-Rotor Axial-Flux in-Wheel Motor. IEEE Transactions on Industrial Electronics, 2018, 65, 1991-2000.	5.2	41
6	Comparative Study of Sideband Electromagnetic Force in Internal and External Rotor PMSMs With SVPWM Technique. IEEE Transactions on Industrial Electronics, 2019, 66, 956-966.	5.2	34
7	Influence of pole and slot combinations on vibration and noise in external rotor axial flux inâ€wheel motors. IET Electric Power Applications, 2017, 11, 586-594.	1.1	32
8	Modeling and Analysis of Acoustic Noise in External Rotor In-Wheel Motor Considering Doppler Effect. IEEE Transactions on Industrial Electronics, 2018, 65, 4524-4533.	5.2	27
9	Impact of rotor eccentricity on electromagnetic vibration and noise of permanent magnet synchronous motor. Journal of Vibroengineering, 2018, 20, 923-935.	0.5	19
10	Analysis of the Sideband Electromagnetic Noise in Permanent Magnet Synchronous Motors Generated by Rotor Position Error. IEEE Transactions on Industrial Electronics, 2022, 69, 4460-4471.	5.2	12
11	Comparison of Eccentricity Impact on Electromagnetic Forces in Internal- and External-Rotor Permanent Magnet Synchronous Motors. IEEE Transactions on Transportation Electrification, 2022, 8, 1242-1254.	5.3	11
12	Noise reduction of axialâ€flux motors by combining various poleâ€arc coefficients and circumferential shifting of permanent magnets: analytical approach. IET Electric Power Applications, 2019, 13, 951-957.	1.1	10
13	A Random Pulse Position-Based Selective Noise Cancellation Modulation Method for SVPWM Driven PMSMs. IEEE Transactions on Energy Conversion, 2022, , 1-1.	3.7	9
14	Investigation of vibration and noise characteristics in axial flux permanent magnet synchronous motor with different magnet shapes. Proceedings of Meetings on Acoustics, 2016, , .	0.3	2
15	Numerical prediction and analysis of electromagnetic vibration and noise of claw pole alternator. Proceedings of Meetings on Acoustics, 2016, , .	0.3	1
16	Analysis and Reduction of Electromagnetic Noise Induced by Dead Time Effect for an Axial-Flux Permanent Magnet Motor. , 2019, , .		0