Chang-Woo Kim

List of Publications by Year
in descending order

19	174	1478505 6	1125743 13
papers	citations	h-index	g-index

19	19	19	205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of Axial Flux Permanent Magnet Synchronous Machines With Electrical Steel Core and Soft Magnetic Composite Core. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	42
2	Rotor Design of High-Speed Permanent Magnet Synchronous Motors Considering Rotor Magnet and Sleeve Materials. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	34
3	Correlation Between Rotor Vibration and Mechanical Stress in Ultra-High-Speed Permanent Magnet Synchronous Motors. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	28
4	Comparison of Electromagnetic and Dynamic Characteristics of Linear Oscillating Actuators With Rare-Earth and Ferrite Magnets. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	12
5	Core Loss Analysis of Permanent Magnet Linear Synchronous Generator Considering the 3-D Flux Path. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	11
6	Electromagnetic Design and Dynamic Characteristics of Permanent Magnet Linear Oscillating Machines Considering Instantaneous Inductance According to Mover Position. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	8
7	Optimal Design of Short-Stroke Linear Oscillating Actuator for Minimization of Side Force Using Response Surface Methodology. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	8
8	Torque Characteristic Analysis and Measurement of Magnetic Rackâ€“Pinion Gear Based on Analytical Method. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	7
9	Core Loss Analysis of Permanent Magnet Synchronous Generator With Slotless Stator. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	6
10	Experimental Verification and Electromagnetic Characteristic Analysis of Permanent Magnet Linear Oscillating Actuator Using Semi 3D Analysis Technique With Corrected Stacking Factor. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	6
11	Self-Aligning Limited-Angle Rotary Torque PM Motor for Control Valve: Design and Experimental Verification. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	5
12	Electromagnetic Analysis of Linear Magnetic Gears Based on the Characteristics of Their Flux-Modulation Poles. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	2
13	Experimental verification and analysis of temperature characteristics of induction generator considering stator loss distribution. AIP Advances, 2020, 10, 015139.	1.3	1
14	Analytical and experimental study for characteristic analysis of permanent magnet linear synchronous machines with horizontally magnetized PMs. AIP Advances, 2020, 10, 015049.	1.3	1
15	Experimental and comparative study of mechanical and electromagnetic aspects of a high-speed permanent magnetic motor with two different magnetic materials. AIP Advances, 2020, 10, .	1.3	1
16	Comparison of the Electromagnetic Characteristics of Single-Phase Linear Oscillating Machines according to Magnetic Flux Flow. Journal of Magnetics, 2018, 23, 523-528.	0.4	1
17	Operating Characteristic Analysis and Verification of Short-Stroke Linear Oscillating Actuators Considering Mechanical Load. Machines, 2022, 10, 48.	2.2	1
18	Electromagnetic and Operating Characteristic Analysis of 1 00 MW -Class Wound- Type Synchronous Generator. , 2018, , .		0

#	Article	IF	Citations
19	Experimental verification and electromagnetic characteristics analysis of wound-rotor synchronous generator using magnetic equivalent circuit method. AIP Advances, 2020, 10, 015014.	1.3	0