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Education

Degree	Graduated in	Major	University
BSc	2007	Electrical Engineering	KNTU
MSc	2010	Electrical Engineering	University of Kashan
Ph.D	2016	Electrical Engineering	IUST

Papers in Conferences

1. An Optimal Design and Analysis of Pole Shaping in HTS Coaxial Magnetic Gear ,The 3rd International Conference on Electrical Machines and Drives (ICEMD) ,1 - 20 12 2023, تهران .
2. S.A. Afsari, ۳۳, دنده مغناطیسی شار محور با مدولاتور دو لایه, ۲۰۱۸ ۱۰ ۲۳. International Power System Conference.
3. S.A. Afsari, ۳۳, دنده مغناطیسی شار محور رلوکتانسی با روتور آهنربای تک لایه, ۲۰۱۸ ۱۰ ۲۳. International Power System Conference.
4. S.A. Afsari, ۳۲, طراحی بهینه ماشین الکتریکی شار محور دو لایه, ۲۰۱۷ ۱۰ ۲۳. International Power System Conference.
5. S.A. Afsari, Load stall control in wounded stator magnetic gear ,32th International Power System Conference ,2017 10 23.
6. S.A. Afsari, Cogging Torque Minimization in Coaxial Magnetic Gear ,32th International Power System Conference ,2017 10 23.
7. S.A. Afsari , Cogging Torque Reduction in Double sided Axial Flux Magnetic Gears using Skew Techniques ,6th Power Electronics, Drive Systems & Technologies Conference ,2015 02 03.
8. S.A. Afsari , Design and Performance characteristics of magnetic gears ,6th Conference on rotating equipment in oil and power industries ,2014 12 02.
9. S.A. Afsari , Skew effects on cogging torque mitigation in radial flux magnetic gears ,6th Conference on rotating equipment in oil and power industries ,2014 12 02.
10. S.A. Afsari , Implementation of Wounded Stator Magnetic Gear for Speed Control of Wind Turbines ,29th International Power System Conference ,2014 10 27.

Papers in Journals

1. S.A. Afsari, در شبکه توزیع در حضور منابع تولید پراکنده با استفاده از DSTATCOM جایابی و تعیین ظرفیت بهینه، الگوریتم ایمنی، Soft Computing، ۲۰۱۴، ۴، ۱۹.
2. S.A. Afsari, Performance Analysis and Optimization of a Novel Arcuate Double-sided Magnetic Gear using Quasi 3-D Analytical Modeling for wind power application, Journal of Applied Electromagnetics, Vol. 5, pp. 1-9, 2019/6, <https://elemag.ihu.ac.ir/>.
3. S.A. Afsari, Optimal Design and Analysis of a Novel Reluctance Axial Flux Magnetic Gear, Journal of Scientia Iranica, pp. 1-5, 2020/1.
4. محمدامین مسعودی، سیداحمد رضا افسری کاشانی، The Optimal Design and an Analysis of a Hybrid W-Shaped IPM Rotor of Coaxial Magnetic Gear, IEEE Access, Vol. 12, pp. 81067, 2024 06 04, JCR.
5. S.A. Afsari, Rotor Pole Design of Radial Flux Magnetic Gear for Reduction of Flux Density Harmonics and Cogging Torque, IEEE Transaction on Applied Superconductivity, Vol. 28, pp. 1-8, 2019/12, <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=77>.
6. S.A. Afsari, Analytical Computation of Magnetic Flux Distribution in Superconductive Coaxial Magnetic Gear, IEEE Transaction on Applied Superconductivity, 2016 09 01.
7. S.A. Afsari, Cogging Torque Mitigation in Axial Flux Magnetic Gear System Based on Skew Effects Using an Improved Quasi 3D Analytical Method, IEEE Transaction on Magnetics, 2015 09 01.
8. S.A. Afsari, Viable Arcuate Double-sided Magnetic Gear for Competitive Torque Density Transmission Capability, Scientia Iranica Journal, 2015 08 25.
9. S.A. Afsari, A new Approach to eliminating of chaotic ferroresonant oscillations in power transformer, International Journal of Electrical Power and Energy System, 2014 12 10.
10. S.A. Afsari, Optimal location and sizing of DSTATCOM in distribution systems by immune algorithm, International Journal of Electrical Power and Energy Systems, 2014 09 01.
11. S.A. Afsari, Optimal Allocation and Sizing of D-STATCOM by Immune Algorithm in Distribution Networks Including Distribution Generation, Soft Computing, 2014 04 19.
12. S.A. Afsari, Optimal location and sizing of UPQC in distribution networks using differential evolution algorithm, Mathematical Problems in Engineering, 2012 06 29.