

Faisal Khan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4804417/faisal-khan-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

308
citations

10
h-index

14
g-index

120
ext. papers

572
ext. citations

2.4
avg, IF

4.19
L-index

#	Paper	IF	Citations
70	Analysis of a Discrete Stator Hybrid Excited Flux Switching Linear Machine. <i>IEEE Access</i> , 2022 , 10, 8140-8150	3.5	1
69	Techno-Economic Analysis of Grid-Connected Hybrid Renewable Energy System for Remote Areas Electrification Using Homer Pro. <i>Journal of Electrical Engineering and Technology</i> , 2022 , 17, 981	1.4	0
68	Torque Ripples Reduction and Performance Analysis of Electrically Excited Flux Switching Motor. <i>IEEE Access</i> , 2022 , 10, 4307-4317	3.5	1
67	Modelling, Optimization and Analysis of Segmented Stator Flux Switching Linear Hybrid Excited Machine for Electric Power Train. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	4
66	A Comparative Study of Dual Stator With Novel Dual Rotor Permanent Magnet Flux Switching Generator for Counter Rotating Wind Turbine Applications. <i>IEEE Access</i> , 2022 , 10, 8243-8261	3.5	3
65	A Novel Dual Rotor Permanent Magnet Flux Switching Generator for Counter Rotating Wind Turbine Applications. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
64	Analysis of Linear Hybrid Excited Flux Switching Machines with Low-Cost Ferrite Magnets. <i>Energies</i> , 2022 , 15, 1346	3.1	
63	Dual mechanical port power distribution in dual rotor permanent magnet flux switching generator for counter-rotating wind turbine applications. <i>IET Renewable Power Generation</i> , 2022 , 16, 1267-1277	2.9	1
62	Consequences of Flux Gap on Intriguing Features of Modular Stator Inset Permanent Magnet Consequent Pole Synchronous Machine. <i>IEEE Access</i> , 2022 , 10, 49551-49565	3.5	1
61	High efficiency flux switching motor. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101791	4.4	
60	Experimental Validations of Hybrid Excited Linear Flux Switching Machine. <i>Energies</i> , 2021 , 14, 7274	3.1	1
59	Development of a Low-Cost Modular Structure Fault Tolerant Field Excited Flux Switching Linear Machine for Urban Rail Transit. <i>IEEE Access</i> , 2021 , 9, 165854-165864	3.5	2
58	Investigation of Inner/Outer Rotor Permanent Magnet Flux Switching Generator for Wind Turbine Applications. <i>IEEE Access</i> , 2021 , 1-1	3.5	2
57	Design and Analysis of Dual Mover Multi-Tooth Permanent Magnet Flux Switching Machine for Ropeless Elevator Applications. <i>Actuators</i> , 2021 , 10, 81	2.4	2
56	2-D analytical modelling of novel consequent pole linear permanent magnet flux switching machine. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021 , 43, 1	2	1
55	Lumped parameter magnetic equivalent circuit model for design of segmented PM consequent pole flux switching machine. <i>Engineering Computations</i> , 2021 , 38, 572-585	1.4	6
54	Design and Performance Analysis of a Novel Outer-Rotor Consequent Pole Permanent Magnet Machine With H-Type Modular Stator. <i>IEEE Access</i> , 2021 , 9, 125331-125341	3.5	3

53	Analytical Modelling, Optimization and Electromagnetic Performance Analysis of Electrically Excited Flux Switching Motor. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	2
52	. <i>IEEE Access</i> , 2021 , 9, 41603-41614	3.5	1
51	Reduction of Torque Ripples in Multi-Stack Slotless Axial Flux Machine by Using Right Angled Trapezoidal Permanent Magnet. <i>IEEE Access</i> , 2021 , 9, 22760-22773	3.5	5
50	Analysis and Design of a Novel Outer Mover Moving Magnet Linear Oscillating Actuator for a Refrigeration System. <i>IEEE Access</i> , 2021 , 9, 121240-121252	3.5	2
49	Application of Mineral Compounds for a High-Voltage Portable Grounding System: An Experimental Study. <i>Electronics (Switzerland)</i> , 2021 , 10, 2043	2.6	0
48	Analytical methodologies for design of segmented permanent magnet consequent pole flux switching machine: a comparative analysis. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2021 , 40, 744-767	0.7	5
47	Design and finite element analysis of modular C-Core stator tubular linear oscillating actuator for miniature compressor. <i>World Journal of Engineering</i> , 2021 , ahead-of-print,	1.8	3
46	Lumped Parameter Model and Electromagnetic Performance Analysis of a Single-Sided Variable Flux Permanent Magnet Linear Machine. <i>Energies</i> , 2021 , 14, 5494	3.1	2
45	Review of Double Stator Flux switching machines with various arrangements of excitation sources. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 4393-4410	6.1	1
44	Analytical Airgap Field Model and Experimental Validation of Double Sided Hybrid Excited Linear Flux Switching Machine. <i>IEEE Access</i> , 2021 , 9, 117120-117131	3.5	2
43	Analytical Sub-Domain Model for Magnetic Field Computation in Segmented Permanent Magnet Switched Flux Consequent Pole Machine. <i>IEEE Access</i> , 2021 , 9, 3774-3783	3.5	10
42	Analysis and Reduction of DC Winding Induced Voltage Pulsation in Five-Phase Non-Overlapped Stator Wound Field Flux Switching Machine. <i>IEEE Access</i> , 2021 , 9, 105696-105710	3.5	
41	Design and Thermal Modeling of Modular Hybrid Excited Double-Sided Linear Flux Switching Machine. <i>Energies</i> , 2021 , 14, 8511	3.1	0
40	Analytical validation of novel consequent pole E-core stator permanent magnet flux switching machine. <i>IET Electric Power Applications</i> , 2020 , 14, 789-796	1.8	17
39	Development of single phase 12S-6P FEFSM and field-oriented control algorithm based on the effect of rotor position on stator flux pair linkage. <i>IET Electric Power Applications</i> , 2020 , 14, 1458-1468	1.8	
38	Sub-domain modelling and multi-variable optimisation of partitioned PM consequent pole flux switching machines. <i>IET Electric Power Applications</i> , 2020 , 14, 1360-1369	1.8	10
37	Performance comparison of partitioned primary hybrid excited linear flux switching machine. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-22	1.7	0
36	Torque characteristics of high torque density partitioned PM consequent pole flux switching machines with flux barriers. <i>CES Transactions on Electrical Machines and Systems</i> , 2020 , 4, 130-141	2.3	6

35	Design of a high thrust density moving magnet linear actuator with magnetic flux bridge. <i>IET Electric Power Applications</i> , 2020 , 14, 1256-1262	1.8	6
34	. <i>IEEE Access</i> , 2020 , 8, 135675-135685	3.5	3
33	Stress and coupled electromagnetic-thermal analysis of field excited flux switching machine. <i>World Journal of Engineering</i> , 2020 , 17, 891-900	1.8	
32	Simulation and breakdown characteristics of china clay and silica sand for improved grounding system 2020 ,		1
31	Modular Rotor Single Phase Field Excited Flux Switching Machine with Non-Overlapped Windings. <i>Energies</i> , 2019 , 12, 1576	3.1	4
30	Design and Optimization of Complementary Field Excited Linear Flux Switching Machine With Unequal Primary Tooth Width and Segmented Secondary. <i>IEEE Access</i> , 2019 , 7, 106359-106371	3.5	6
29	Analysis of the dielectric properties of R410A Gas as an alternative to SF6 for high-voltage applications. <i>High Voltage</i> , 2019 , 4, 41-48	4.1	12
28	Outer rotor wound field flux switching machine for In-wheel direct drive application. <i>IET Electric Power Applications</i> , 2019 , 13, 757-765	1.8	12
27	Performance comparison and optimisation of dual mover linear permanent magnet flux switching machine. <i>IET Electric Power Applications</i> , 2019 , 13, 984-995	1.8	2
26	Seismic qualification and time history shake-table testing of high voltage surge arrester under seismic qualification level moderate. <i>Cogent Engineering</i> , 2018 , 5, 1431375	1.5	1
25	Rotor pole study of outer rotor wound field flux switching motor for in wheel drive 2018 ,		3
24	Magnetic equivalent circuit models using global reluctance networks methodology for design of permanent magnet flux switching machine 2018 ,		12
23	Dielectric properties of tetrafluoroethane (R134) gas and its mixtures with N ₂ and air as a sustainable alternative to SF ₆ in high voltage applications. <i>Electric Power Systems Research</i> , 2018 , 163, 532-537	3.5	14
22	Effect of nanoparticles on breakdown, aging and other properties of vegetable oil 2018 ,		7
21	Analytical Modelling of Open-Circuit Flux Linkage, Cogging Torque and Electromagnetic Torque for Design of Switched Flux Permanent Magnet Machine. <i>Journal of Magnetism</i> , 2018 , 23, 253-266	1.9	16
20	Novel Modular Rotor Single Phase Wound Field Flux Switching Machine 2018 ,		1
19	Enhancing Capabilities of Double Sided Linear Flux Switching Permanent Magnet Machines. <i>Energies</i> , 2018 , 11, 2781	3.1	6
18	Review of Switched Flux Wound-Field Machines Technology. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2017 , 34, 343-352	1.5	9

17	A novel wound field flux switching machine with salient pole rotor and nonoverlapping windings. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017 , 25, 950-964	0.9	6
16	Dielectric characteristic of dichlorodifluoromethane (R12) gas and mixture with N2/air as an alternative to SF6 gas. <i>High Voltage</i> , 2017 , 2, 205-210	4.1	31
15	Performance analysis of a new E-Core HESFM for future HEV 2016 ,		1
14	FIELD-EXCITED FLUX SWITCHING MOTOR DESIGN, OPTIMIZATION AND ANALYSIS FOR FUTURE HYBRID ELECTRIC VEHICLE USING FINITE ELEMENT ANALYSIS. <i>Progress in Electromagnetics Research B</i> , 2016 , 71, 153-166	0.7	6
13	Analysis of 24Slot wound field salient rotor switched-flux machine based on 2D-FEA. <i>World Journal of Engineering</i> , 2016 , 13, 381-385	1.8	1
12	Performances comparison of various design slot pole of Field Excitation Flux Switching Machines with segmental rotor 2015 ,		4
11	Computational method of rotor stress analysis for various flux switching machine using J-MAG 2015 ,		2
10	2D-FEA Based Design Study of Salient Rotor Three-Phase Permanent Magnet Flux Switching Machine with Concentrated Winding. <i>Applied Mechanics and Materials</i> , 2015 , 785, 274-279	0.3	3
9	Coil test analysis of Wound-field three-phase flux switching machine with non-overlapping winding and salient rotor 2014 ,		10
8	Design and performance analysis of 12Slot-14Pole HEFSM with outer-rotor configuration 2014 ,		1
7	FEA-Based Design Study of 12-Slot 14-Pole Outer-Rotor Dual Excitation Flux Switching Machine for Direct Drive Electric Vehicle Applications. <i>Applied Mechanics and Materials</i> , 2014 , 660, 836-840	0.3	5
6	Performances comparison of 12S-14P field excitation flux switching motor with overlap and non-overlap windings for hybrid electric vehicles 2014 ,		2
5	Electromagnetic flux analysis on a new outer-rotor hybrid excitation flux switching machine 2014 ,		3
4	Investigation of field excitation switched flux motor with segmental rotor 2013 ,		2
3	Design and analysis of dual-stator hybrid excited linear flux switching machine for long-stroke applications. <i>IET Electric Power Applications</i> ,	1.8	7
2	Electromagnetic Performance of Five Phase Non-Overlapping Stator Wound Field Flux Switching Machine. <i>Journal of Electrical Engineering and Technology</i> ,1	1.4	0
1	Investigation of third harmonic utilization for torque performance improvement in novel H-type modular stator consequent pole machine. <i>Electrical Engineering</i> ,1	1.5	1