

# Faisal Khan

## List of Publications by Citations

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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	Dielectric characteristic of dichlorodifluoromethane (R12) gas and mixture with N2/air as an alternative to SF6 gas. <i>High Voltage</i> , <b>2017</b> , 2, 205-210	4.1	31
69	Analytical validation of novel consequent pole E-core stator permanent magnet flux switching machine. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 789-796	1.8	17
68	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> , <b>2018</b> , 23, 253-266	1.9	16
67	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> , <b>2018</b> , 163, 532-537	3.5	14
66	Magnetic equivalent circuit models using global reluctance networks methodology for design of permanent magnet flux switching machine <b>2018</b> ,		12
65	Analysis of the dielectric properties of R410A Gas as an alternative to SF6 for high-voltage applications. <i>High Voltage</i> , <b>2019</b> , 4, 41-48	4.1	12
64	Outer rotor wound field flux switching machine for In-wheel direct drive application. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 757-765	1.8	12
63	Coil test analysis of Wound-field three-phase flux switching machine with non-overlapping winding and salient rotor <b>2014</b> ,		10
62	Sub-domain modelling and multi-variable optimisation of partitioned PM consequent pole flux switching machines. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 1360-1369	1.8	10
61	Analytical Sub-Domain Model for Magnetic Field Computation in Segmented Permanent Magnet Switched Flux Consequent Pole Machine. <i>IEEE Access</i> , <b>2021</b> , 9, 3774-3783	3.5	10
60	Review of Switched Flux Wound-Field Machines Technology. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2017</b> , 34, 343-352	1.5	9
59	Effect of nanoparticles on breakdown, aging and other properties of vegetable oil <b>2018</b> ,		7
58	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
57	A novel wound field flux switching machine with salient pole rotor and nonoverlapping windings. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , <b>2017</b> , 25, 950-964	0.9	6
56	Design and Optimization of Complementary Field Excited Linear Flux Switching Machine With Unequal Primary Tooth Width and Segmented Secondary. <i>IEEE Access</i> , <b>2019</b> , 7, 106359-106371	3.5	6
55	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> , <b>2020</b> , 4, 130-141	2.3	6
54	Design of a high thrust density moving magnet linear actuator with magnetic flux bridge. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 1256-1262	1.8	6

53	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> , <b>2016</b> , 71, 153-166	0.7	6
52	Lumped parameter magnetic equivalent circuit model for design of segmented PM consequent pole flux switching machine. <i>Engineering Computations</i> , <b>2021</b> , 38, 572-585	1.4	6
51	Enhancing Capabilities of Double Sided Linear Flux Switching Permanent Magnet Machines. <i>Energies</i> , <b>2018</b> , 11, 2781	3.1	6
50	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> , <b>2014</b> , 660, 836-840	0.3	5
49	Reduction of Torque Ripples in Multi-Stack Slotless Axial Flux Machine by Using Right Angled Trapezoidal Permanent Magnet. <i>IEEE Access</i> , <b>2021</b> , 9, 22760-22773	3.5	5
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> , <b>2021</b> , 40, 744-767	0.7	5
47	Modular Rotor Single Phase Field Excited Flux Switching Machine with Non-Overlapped Windings. <i>Energies</i> , <b>2019</b> , 12, 1576	3.1	4
46	Performances comparison of various design slot pole of Field Excitation Flux Switching Machines with segmental rotor <b>2015</b> ,		4
45	Modelling, Optimization and Analysis of Segmented Stator Flux Switching Linear Hybrid Excited Machine for Electric Power Train. <i>IEEE Transactions on Transportation Electrification</i> , <b>2022</b> , 1-1	7.6	4
44	Rotor pole study of outer rotor wound field flux switching motor for in wheel drive <b>2018</b> ,		3
43	2D-FEA Based Design Study of Salient Rotor Three-Phase Permanent Magnet Flux Switching Machine with Concentrated Winding. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 785, 274-279	0.3	3
42	Electromagnetic flux analysis on a new outer-rotor hybrid excitation flux switching machine <b>2014</b> ,		3
41	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> , <b>2022</b> , 10, 8243-8261	3.5	3
40	. <i>IEEE Access</i> , <b>2020</b> , 8, 135675-135685	3.5	3
39	Design and Performance Analysis of a Novel Outer-Rotor Consequent Pole Permanent Magnet Machine With H-Type Modular Stator. <i>IEEE Access</i> , <b>2021</b> , 9, 125331-125341	3.5	3
38	Design and finite element analysis of modular C-Core stator tubular linear oscillating actuator for miniature compressor. <i>World Journal of Engineering</i> , <b>2021</b> , ahead-of-print,	1.8	3
37	Performance comparison and optimisation of dual mover linear permanent magnet flux switching machine. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 984-995	1.8	2
36	Investigation of field excitation switched flux motor with segmental rotor <b>2013</b> ,		2

35	Computational method of rotor stress analysis for various flux switching machine using J-MAG <b>2015,</b>		2
34	Performances comparison of 12S-14P field excitation flux switching motor with overlap and non-overlap windings for hybrid electric vehicles <b>2014,</b>		2
33	Development of a Low-Cost Modular Structure Fault Tolerant Field Excited Flux Switching Linear Machine for Urban Rail Transit. <i>IEEE Access</i> , <b>2021</b> , 9, 165854-165864	3.5	2
32	Investigation of Inner/Outer Rotor Permanent Magnet Flux Switching Generator for Wind Turbine Applications. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	2
31	Design and Analysis of Dual Mover Multi-Tooth Permanent Magnet Flux Switching Machine for Ropeless Elevator Applications. <i>Actuators</i> , <b>2021</b> , 10, 81	2.4	2
30	Analytical Modelling, Optimization and Electromagnetic Performance Analysis of Electrically Excited Flux Switching Motor. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	2
29	Analysis and Design of a Novel Outer Mover Moving Magnet Linear Oscillating Actuator for a Refrigeration System. <i>IEEE Access</i> , <b>2021</b> , 9, 121240-121252	3.5	2
28	Lumped Parameter Model and Electromagnetic Performance Analysis of a Single-Sided Variable Flux Permanent Magnet Linear Machine. <i>Energies</i> , <b>2021</b> , 14, 5494	3.1	2
27	Analytical Airgap Field Model and Experimental Validation of Double Sided Hybrid Excited Linear Flux Switching Machine. <i>IEEE Access</i> , <b>2021</b> , 9, 117120-117131	3.5	2
26	Seismic qualification and time history shake-table testing of high voltage surge arrester under seismic qualification level moderate. <i>Cogent Engineering</i> , <b>2018</b> , 5, 1431375	1.5	1
25	Performance analysis of a new E-Core HESFM for future HEV <b>2016,</b>		1
24	Design and performance analysis of 12Slot-14Pole HEFSM with outer-rotor configuration <b>2014,</b>		1
23	Analysis of a Discrete Stator Hybrid Excited Flux Switching Linear Machine. <i>IEEE Access</i> , <b>2022</b> , 10, 8140-8150	3.5	1
22	Torque Ripples Reduction and Performance Analysis of Electrically Excited Flux Switching Motor. <i>IEEE Access</i> , <b>2022</b> , 10, 4307-4317	3.5	1
21	A Novel Dual Rotor Permanent Magnet Flux Switching Generator for Counter Rotating Wind Turbine Applications. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	1
20	Experimental Validations of Hybrid Excited Linear Flux Switching Machine. <i>Energies</i> , <b>2021</b> , 14, 7274	3.1	1
19	Simulation and breakdown characteristics of china clay and silica sand for improved grounding system <b>2020,</b>		1
18	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> , <b>2021</b> , 43, 1	2	1

17	Analysis of 24Slot wound field salient rotor switched-flux machine based on 2D-FEA. <i>World Journal of Engineering</i> , <b>2016</b> , 13, 381-385	1.8	1
16	. <i>IEEE Access</i> , <b>2021</b> , 9, 41603-41614	3.5	1
15	Novel Modular Rotor Single Phase Wound Field Flux Switching Machine <b>2018</b> ,		1
14	Review of Double Stator Flux switching machines with various arrangements of excitation sources. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 4393-4410	6.1	1
13	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
12	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> , <b>2022</b> , 16, 1267-1277	2.9	1
11	Consequences of Flux Gap on Intriguing Features of Modular Stator Inset Permanent Magnet Consequent Pole Synchronous Machine. <i>IEEE Access</i> , <b>2022</b> , 10, 49551-49565	3.5	1
10	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> , <b>2022</b> , 17, 981	1.4	0
9	Performance comparison of partitioned primary hybrid excited linear flux switching machine. <i>Mechanics Based Design of Structures and Machines</i> , <b>2020</b> , 1-22	1.7	0
8	Application of Mineral Compounds for a High-Voltage Portable Grounding System: An Experimental Study. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2043	2.6	0
7	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
6	Design and Thermal Modeling of Modular Hybrid Excited Double-Sided Linear Flux Switching Machine. <i>Energies</i> , <b>2021</b> , 14, 8511	3.1	0
5	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> , <b>2020</b> , 14, 1458-1468	1.8	
4	Stress and coupled electromagnetic-thermal analysis of field excited flux switching machine. <i>World Journal of Engineering</i> , <b>2020</b> , 17, 891-900	1.8	
3	Analysis and Reduction of DC Winding Induced Voltage Pulsation in Five-Phase Non-Overlapped Stator Wound Field Flux Switching Machine. <i>IEEE Access</i> , <b>2021</b> , 9, 105696-105710	3.5	
2	Analysis of Linear Hybrid Excited Flux Switching Machines with Low-Cost Ferrite Magnets. <i>Energies</i> , <b>2022</b> , 15, 1346	3.1	
1	High efficiency flux switching motor. <i>Ain Shams Engineering Journal</i> , <b>2022</b> , 13, 101791	4.4	