Ruiwu Cao

List of Publications by Citations

40 papers	1,167 citations	19 h-index	34 g-index
46 ext. papers	1,501 ext. citations	4.3 avg, IF	4.83 L-index

#	Paper	IF	Citations
40	. *IEEE Transactions on Magnetics*, **2012**, 48, 2374-2384	2	222
39	Modeling of a Complementary and Modular Linear Flux-Switching Permanent Magnet Motor for Urban Rail Transit Applications. *IEEE Transactions on Energy Conversion*, **2012**, 27, 489-497	5.4	102
38	Remedial Injected-Harmonic-Current Operation of Redundant Flux-Switching Permanent-Magnet Motor Drives. *IEEE Transactions on Industrial Electronics*, **2013**, 60, 151-159	8.9	95
37	Electric Drive System of Dual-Winding Fault-Tolerant Permanent-Magnet Motor for Aerospace Applications. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 7322-7330	8.9	92
36	Investigation and General Design Principle of a New Series of Complementary and Modular Linear FSPM Motors. *IEEE Transactions on Industrial Electronics*, **2013**, 60, 5436-5446	8.9	77
35	. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 2165-2175	8.9	76
34	Comparison Between Linear Induction Motor and Linear Flux-Switching Permanent-Magnet Motor for Railway Transportation. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 9394-9405	8.9	51
33	Speed Control of Complementary and Modular Linear Flux-Switching Permanent-Magnet Motor. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 4056-4064	8.9	51
32	Quantitative Comparison of Linear Flux-Switching Permanent Magnet Motor With Linear Induction Motor for Electromagnetic Launch System. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 7569-7578	8.9	41
31	A Linear Doubly Salient Permanent-Magnet Motor With Modular and Complementary Structure. *IEEE Transactions on Magnetics*, **2011**, 47, 4809-4821	2	41
30	. *IEEE Transactions on Magnetics*, **2013**, 49, 1493-1504	2	34
29	Torque Improvement in Five-Phase Unequal Tooth SPM Machine by Injecting Third Harmonic Current. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 206-215	6.8	24
28	EXPERIMENTAL COMPARISON OF REMEDIAL SINGLE-CHANNEL OPERATIONS FOR REDUNDANT FLUX-SWITCHING PERMANENT-MAGNET MOTOR DRIVE. *Progress in Electromagnetics Research*, **2012**, 123, 189-204	3.8	24
27	A New Double-Sided Linear Flux-Switching Permanent Magnet Motor With Yokeless Mover for Electromagnetic Launch System. *IEEE Transactions on Energy Conversion*, **2019**, 34, 680-690	5.4	24
26	A Dual-Winding Fault-Tolerant Motor Drive System Based on the Redundancy Bridge Arm. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 654-662	8.9	22
25	Sensorless Control of Linear Flux-Switching Permanent Magnet Motor Based on Extended Kalman Filter. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 5971-5979	8.9	20
24	Analysis of a Dual-Winding Fault-Tolerant Permanent Magnet Machine Drive for Aerospace Applications. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	20

23	Design and Analysis of a New Fault-Tolerant Linear Permanent-Magnet Motor for Maglev Transportation Applications. *IEEE Transactions on Applied Superconductivity*, **2012**, 22, 5200204-5200204	1.8	20
22	MW-Class Stator Wound Field Flux-Switching Motor for Semidirect Drive Wind Power Generation System. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 795-805	8.9	19
21	Analysis of Linear Flux-Switching Permanent Magnet Motor Using Response Surface Methodology. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	18
20	Multi-objective optimization of surface-mounted and interior permanent magnet synchronous motor based on Taguchi method and response surface method. *Chinese Journal of Electrical Engineering*, **2018**, 4, 67-73	4	16
19	A New Double-Sided HTS Flux-Switching Linear Motor With Series Magnet Circuit. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	14
18	Comparative Study of Permanent Magnet Assisted Linear Switched Reluctance Motor and Linear Flux Switching Permanent Magnet Motor for Railway Transportation. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-5	1.8	9
17	Fault-tolerant drive system based on the redundancy bridge arm for aerospace applications. *IET Electric Power Applications*, **2018**, 12, 780-786	1.8	9
16	A new modular and complementary double-sided linear flux-switching permanent magnet motor with yokeless secondary **2014**,		6
15	Sliding-mode observer based sensorless vector control of LFSPM motor for long-distance drive system. *IET Electric Power Applications*, **2019**, 13, 643-651	1.8	5
14	A new double-sided primary wound field flux-switching linear motor **2015**,		5
13	Investigation of High Temperature Superconducting Linear Flux-Switching Motors With Different Secondary Structures. *IEEE Transactions on Applied Superconductivity*, **2020**, 30, 1-5	1.8	4
12	A double fed three-phase flux-switching linear motor with complementary magnet circuit for urban rail transit **2014**,		4
11	Investigation of linear synchronous reluctance motor for urban rail transit. *IET Electric Power Applications*, **2020**, 14, 41-51	1.8	3
10	A Stator-PM Resolver With Field Modulation Principle. *IEEE Transactions on Energy Conversion*, **2021** , 36, 159-172	5.4	3
9	New Double-Sided Wound Field Flux-Switching Linear Motor with Non-Overlapping Winding **2019**,		2
8	Research on Detent Force Characteristics of a Linear Flux-Switching Permanent-Magnet Motor. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
7	Segmented power supply control of double-sided linear flux-switching permanent magnet motor. *IET Electric Power Applications*, **2020**, 14, 101-108	1.8	1
6	Speed control of double-sided linear flux-switching permanent magnet motor system for electromagnetic launch system **2017**,		1

5	Open-circuit fault diagnosis of a dual-winding fault-tolerant permanent magnet motor drive for aerospace applications **2015**,		1
4	Reduction of Thrust Force Ripple of High Temperature Superconducting Linear Flux-Switching Motors Using Asymmetry Mover Structure. *IEEE Transactions on Applied Superconductivity*, **2021**, 1-1	1.8	1
3	Comparative Investigation of High Temperature Superconducting Linear Flux-Switching Motor and High Temperature Superconducting Linear Switched Reluctance Motor for Urban Railway Transit. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	1
2	Investigation On High Temperature Superconducting Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch Ratios For Urban Railway Transit System. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-5	1.8	1
1	A Novel Double-Sided High Temperature Superconducting Linear Modular Flux-Switching Motor. *IEEE Transactions on Applied Superconductivity*, **2021**, 31, 1-10	1.8	1