

Ruiwu Cao

List of Publications by Year in Descending Order

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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.

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	A Stator-PM Resolver With Field Modulation Principle. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 159-172	5.4	3
39	Reduction of Thrust Force Ripple of High Temperature Superconducting Linear Flux-Switching Motors Using Asymmetry Mover Structure. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	1
38	Comparative Investigation of High Temperature Superconducting Linear Flux-Switching Motor and High Temperature Superconducting Linear Switched Reluctance Motor for Urban Railway Transit. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
37	Investigation On High Temperature Superconducting Linear Flux-Switching Motors With Different Mover and Stator Pole Pitch Ratios For Urban Railway Transit System. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
36	A Novel Double-Sided High Temperature Superconducting Linear Modular Flux-Switching Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-10	1.8	1
35	Research on Detent Force Characteristics of a Linear Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	2
34	Sensorless Control of Linear Flux-Switching Permanent Magnet Motor Based on Extended Kalman Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5971-5979	8.9	20
33	Comparative Study of Permanent Magnet Assisted Linear Switched Reluctance Motor and Linear Flux Switching Permanent Magnet Motor for Railway Transportation. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	9
32	Segmented power supply control of double-sided linear flux-switching permanent magnet motor. <i>IET Electric Power Applications</i> , 2020 , 14, 101-108	1.8	1
31	Investigation of High Temperature Superconducting Linear Flux-Switching Motors With Different Secondary Structures. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	4
30	Investigation of linear synchronous reluctance motor for urban rail transit. <i>IET Electric Power Applications</i> , 2020 , 14, 41-51	1.8	3
29	Comparison Between Linear Induction Motor and Linear Flux-Switching Permanent-Magnet Motor for Railway Transportation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9394-9405	8.9	51
28	Sliding-mode observer based sensorless vector control of LFSPM motor for long-distance drive system. <i>IET Electric Power Applications</i> , 2019 , 13, 643-651	1.8	5
27	A Dual-Winding Fault-Tolerant Motor Drive System Based on the Redundancy Bridge Arm. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 654-662	8.9	22
26	New Double-Sided Wound Field Flux-Switching Linear Motor with Non-Overlapping Winding 2019 ,		2
25	A New Double-Sided Linear Flux-Switching Permanent Magnet Motor With Yokeless Mover for Electromagnetic Launch System. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 680-690	5.4	24
24	MW-Class Stator Wound Field Flux-Switching Motor for Semidirect Drive Wind Power Generation System. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 795-805	8.9	19

23	Multi-objective optimization of surface-mounted and interior permanent magnet synchronous motor based on Taguchi method and response surface method. <i>Chinese Journal of Electrical Engineering</i> , 2018 , 4, 67-73	4	16
22	Torque Improvement in Five-Phase Unequal Tooth SPM Machine by Injecting Third Harmonic Current. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 206-215	6.8	24
21	Quantitative Comparison of Linear Flux-Switching Permanent Magnet Motor With Linear Induction Motor for Electromagnetic Launch System. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7569-7578	8.9	41
20	Fault-tolerant drive system based on the redundancy bridge arm for aerospace applications. <i>IET Electric Power Applications</i> , 2018 , 12, 780-786	1.8	9
19	Speed control of double-sided linear flux-switching permanent magnet motor system for electromagnetic launch system 2017 ,		1
18	A New Double-Sided HTS Flux-Switching Linear Motor With Series Magnet Circuit. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	14
17	Electric Drive System of Dual-Winding Fault-Tolerant Permanent-Magnet Motor for Aerospace Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 7322-7330	8.9	92
16	A new double-sided primary wound field flux-switching linear motor 2015 ,		5
15	Open-circuit fault diagnosis of a dual-winding fault-tolerant permanent magnet motor drive for aerospace applications 2015 ,		1
14	Analysis of a Dual-Winding Fault-Tolerant Permanent Magnet Machine Drive for Aerospace Applications. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	20
13	Speed Control of Complementary and Modular Linear Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4056-4064	8.9	51
12	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2165-2175	8.9	76
11	Analysis of Linear Flux-Switching Permanent Magnet Motor Using Response Surface Methodology. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	18
10	A double fed three-phase flux-switching linear motor with complementary magnet circuit for urban rail transit 2014 ,		4
9	A new modular and complementary double-sided linear flux-switching permanent magnet motor with yokeless secondary 2014 ,		6
8	Investigation and General Design Principle of a New Series of Complementary and Modular Linear FSPM Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5436-5446	8.9	77
7	. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1493-1504	2	34
6	Remedial Injected-Harmonic-Current Operation of Redundant Flux-Switching Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 151-159	8.9	95

5	. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2374-2384	2	222
4	Modeling of a Complementary and Modular Linear Flux-Switching Permanent Magnet Motor for Urban Rail Transit Applications. <i>IEEE Transactions on Energy Conversion</i> , 2012 , 27, 489-497	5.4	102
3	Design and Analysis of a New Fault-Tolerant Linear Permanent-Magnet Motor for Maglev Transportation Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 5200204-5200204 ^{1.8}		20
2	EXPERIMENTAL COMPARISON OF REMEDIAL SINGLE-CHANNEL OPERATIONS FOR REDUNDANT FLUX-SWITCHING PERMANENT-MAGNET MOTOR DRIVE. <i>Progress in Electromagnetics Research</i> , 2012 , 123, 189-204	3.8	24
1	A Linear Doubly Salient Permanent-Magnet Motor With Modular and Complementary Structure. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4809-4821	2	41