Narges Taran

List of Publications by Year
in descending order

26 papers	373 citations	1040056 9 h-index	1372567 10 g-index
26 all docs	26 docs citations	26 times ranked	223 citing authors

#	Article	IF	Citations
1	A Comparative Study of Yokeless and Segmented Armature Versus Single Sided Axial Flux PM Machine Topologies for Electric Traction. IEEE Transactions on Industry Applications, 2022, 58, 325-335.	4.9	20
2	An Ultra-fast Method for Analyzing IPM Motors at Multiple Operating Points Using Surrogate Models. , 2022, , .		2
3	An Overview of Methods and a New Three-Dimensional FEA and Analytical Hybrid Technique for Calculating AC Winding Losses in PM Machines. IEEE Transactions on Industry Applications, 2021, 57, 352-362.	4.9	21
4	Systematically Exploring the Effects of Pole Count on the Performance and Cost Limits of UltraHigh Efficiency Fractional hp Axial Flux PM Machines. IEEE Transactions on Industry Applications, 2020, 56, 117-127.	4.9	9
5	Evaluating the Effects of Electric and Magnetic Loading on the Performance of Single and Double Rotor Axial Flux PM Machines. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	18
6	Design Optimization of Coreless Axial-flux PM Machines with Litz Wire and PCB Stator Windings. , 2020, , .		12
7	Optimal Study of a High Specific Torque Vernier-type Axial-flux PM Machine with Two Different Stators and a Single Winding. , 2020, , .		7
8	A Comparative Study of Methods for Calculating AC Winding Losses in Permanent Magnet Machines. , 2019, , .		14
9	WAVED: A Coreless Axial Flux PM Motor for Drive Systems with Constant Power Operation. , 2019, , .		10
10	Inductance Testing for IPM Synchronous Machines According to the New IEEE Std 1812 and Typical Laboratory Practices. IEEE Transactions on Industry Applications, 2019, 55, 2649-2659.	4.9	20
11	A Hybrid Analytical and FE-based Method for Calculating AC Eddy Current Winding Losses Taking 3D Effects into Account. , 2019, , .		4
12	Systematic Comparison of Two Axial Flux PM Machine Topologies: Yokeless and Segmented Armature versus Single Sided. , 2019, , .		7
13	A Systematic Study on the Effects of Dimensional and Materials Tolerances on Permanent Magnet Synchronous Machines Based on the IEEE Std 1812. IEEE Transactions on Industry Applications, 2019, 55, 1360-1371.	4.9	21
14	Exploring the Efficiency and Cost Limits of Fractional hp Axial Flux PM Machine Designs. , 2018, , .		2
15	Two-Level Surrogate-Assisted Differential Evolution Multi-Objective Optimization of Electric Machines Using 3-D FEA. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	65
16	Coreless and Conventional Axial Flux Permanent Magnet Motors for Solar Cars. IEEE Transactions on Industry Applications, 2018, 54, 5907-5917.	4.9	55
17	Coreless Multidisc Axial Flux PM Machine with Carbon Nanotube Windings. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	20
18	Multilayer Concentrated Windings for Axial Flux PM Machines. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	13

#	Article	IF	Citations
19	Axial-flux PM synchronous machines with air-gap profiling and very high ratio of spoke rotor poles to stator concentrated coils. , 2017, , .		5
20	A comparative study of conventional and coreless axial flux permanent magnet synchronous motors for solar cars. , 2017, , .		7
21	Inductance testing according to the new IEEE Std 1812-application and possible extensions for IPM machines. , 2017, , .		2
22	On the effect of design tolerances on the performance of synchronous PM machines evaluated according to the IEEE Std 1812. , 2017, , .		5
23	A comparative study of coreless and conventional axial flux permanent magnet synchronous machines for low and high speed operation. , 2017, , .		8
24	MAGNUS â€" An ultra-high specific torque PM axial flux type motor with flux focusing and modulation. , 2017, , .		8
25	On the feasibility of carbon nanotube windings for electrical machines â€" Case study for a coreless axial flux motor. , 2016, , .		17
26	Multilayer concentrated windings for axial flux PM machines. , 2016, , .		1