

# Narges Taran

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Coreless and Conventional Axial Flux Permanent Magnet Motors for Solar Cars. IEEE Transactions on Industry Applications, 2018, 54, 5907-5917.	4.9	55
3	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
4	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
5	Coreless Multidisc Axial Flux PM Machine with Carbon Nanotube Windings. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	20
6	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
7	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
8	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
9	On the feasibility of carbon nanotube windings for electrical machines " Case study for a coreless axial flux motor. , 2016, , .		17
10	A Comparative Study of Methods for Calculating AC Winding Losses in Permanent Magnet Machines. , 2019, , .		14
11	Multilayer Concentrated Windings for Axial Flux PM Machines. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	13
12	Design Optimization of Coreless Axial-flux PM Machines with Litz Wire and PCB Stator Windings. , 2020, , .		12
13	WAVED: A Coreless Axial Flux PM Motor for Drive Systems with Constant Power Operation. , 2019, , .		10
14	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
15	A comparative study of coreless and conventional axial flux permanent magnet synchronous machines for low and high speed operation. , 2017, , .		8
16	MAGNUS " An ultra-high specific torque PM axial flux type motor with flux focusing and modulation. , 2017, , .		8
17	A comparative study of conventional and coreless axial flux permanent magnet synchronous motors for solar cars. , 2017, , .		7
18	Systematic Comparison of Two Axial Flux PM Machine Topologies: Yokeless and Segmented Armature versus Single Sided. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	Optimal Study of a High Specific Torque Vernier-type Axial-flux PM Machine with Two Different Stators and a Single Winding. , 2020, , .		7
20	Axial-flux PM synchronous machines with air-gap profiling and very high ratio of spoke rotor poles to stator concentrated coils. , 2017, , .		5
21	On the effect of design tolerances on the performance of synchronous PM machines evaluated according to the IEEE Std 1812. , 2017, , .		5
22	A Hybrid Analytical and FE-based Method for Calculating AC Eddy Current Winding Losses Taking 3D Effects into Account. , 2019, , .		4
23	Inductance testing according to the new IEEE Std 1812-application and possible extensions for IPM machines. , 2017, , .		2
24	Exploring the Efficiency and Cost Limits of Fractional hp Axial Flux PM Machine Designs. , 2018, , .		2
25	An Ultra-fast Method for Analyzing IPM Motors at Multiple Operating Points Using Surrogate Models. , 2022, , .		2
26	Multilayer concentrated windings for axial flux PM machines. , 2016, , .		1