Noureddine Takorabet

List of Publications by Year
in descending order

34 papers	481 citations	759233 12 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	301 citing authors

#	Article	IF	Citations
1	Design and Analysis of Interior Permanent Magnet Motor for Electric Vehicle Application Considering Irreversible Demagnetization. IEEE Transactions on Industry Applications, 2022, 58, 284-293.	4.9	13
2	Design, Modeling, and Model-Free Control of Permanent Magnet-Assisted Synchronous Reluctance Motor for e-Vehicle Applications. Sustainability, 2022, 14, 5423.	3.2	1
3	Application of Fractional-Order PI Controllers and Neuro-Fuzzy PWM Technique to Multi-Rotor Wind Turbine Systems. Electronics (Switzerland), 2022, 11, 1340.	3.1	21
4	Simplified Super Twisting Sliding Mode Approaches of the Double-Powered Induction Generator-Based Multi-Rotor Wind Turbine System. Sustainability, 2022, 14, 5014.	3.2	17
5	Direct Power Control Based on Modified Sliding Mode Controller for a Variable-Speed Multi-Rotor Wind Turbine System Using PWM Strategy. Energies, 2022, 15, 3689.	3.1	18
6	Adaptive Voltage Controller for Flux-weakening Operation in PMa-SynRM Drives. , 2022, , .		0
7	Blockchain-Enabled Smart Grid Applications: Architecture, Challenges, and Solutions. Sustainability, 2022, 14, 8801.	3.2	26
8	Design and control of multiphase interleaved boost converters-based on differential flatness theory for PEM fuel cell multi-stack applications. International Journal of Electrical Power and Energy Systems, 2021, 124, 106346.	5.5	26
9	Analytical investigation of the armature current influence on the torque and radial force in eccentric consequentâ€pole PM machines. IET Electric Power Applications, 2021, 15, 441-452.	1.8	2
10	Fast prediction of unbalanced magnetic pull in PM machines. Electrical Engineering, 2021, 103, 2595-2602.	2.0	0
11	Robust Hamiltonian Energy Control Based on Lyapunov Function for Four-Phase Parallel Fuel Cell Boost Converter for DC Microgrid Applications. IEEE Transactions on Sustainable Energy, 2021, 12, 1500-1511.	8.8	21
12	Design, Modeling, and Differential Flatness Based Control of Permanent Magnet-Assisted Synchronous Reluctance Motor for e-Vehicle Applications. Sustainability, 2021, 13, 9502.	3.2	5
13	Magnetic Model Identification of Wound Rotor Synchronous Machine Using a Novel Flux Estimator. IEEE Transactions on Industry Applications, 2021, 57, 5389-5399.	4.9	9
14	Maximum Torque per Ampere Control of Permanent Magnet Assisted Synchronous Reluctance Motor: An Experimental Study. International Journal of Robotics and Control Systems, 2021, 1, 416-427.	1.0	2
15	Comprehensive Online Parameters Identification of Wound Rotor Synchronous Machine (WRSM) by Proposing Two New Parameters and Using Kalman Observer. , 2020, , .		2
16	Irreversible demagnetization analysis of RWAFPM motor using modified MEC algorithm. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2020, 39, 1227-1239.	0.9	3
17	Differential Flatness Based-Control Strategy of a Two-Port Bidirectional Supercapacitor Converter for Hydrogen Mobility Applications. Energies, 2020, 13, 2794.	3.1	8
18	Optimum arrangement of PMs in surface-mounted PM machines: cogging torque and flux density harmonics. Electrical Engineering, 2020, 102, 1117-1127.	2.0	10

#	Article	IF	Citations
19	Simple Method to Reduce Computation Time in Planar Air-Gap 3-D FEM Non-Linear Problems. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	0
20	Using and enhancing the cogging torque of PM machines in valve positioning applications. IET Electric Power Applications, 2020, 14, 2516-2524.	1.8	6
21	Design and control of permanent magnet assisted synchronous reluctance motor with copper loss minimization using MTPA. Journal of Electrical Engineering, 2020, 71, 11-19.	0.7	18
22	Design and Analysis of Interior Permanent Magnet Motor for Electric Vehicle Application Considering Irreversible Demagnetization. , 2020, , .		2
23	Online Stator Flux Estimation for a Wound Rotor Synchronous Machine (WRSM). , 2020, , .		7
24	Model Based Control of Battery/Supercapacitor Hybrid Source for Modern e-Vehicle. , 2019, , .		1
25	Model-Free Control of Multiphase Interleaved Boost Converter for Fuel Cell/Reformer Power Generation. , 2019, , .		7
26	Model Free-Based Torque Control of Permanent Magnet Synchronous Motor Drives. , 2019, , .		2
27	Permanent Magnet Synchronous Motor Dynamic Modeling with State Observer-based Parameter Estimation for AC Servomotor Drive Application. Applied Science and Engineering Progress, 2019, 12, .	0.8	16
28	Design of Permanent Magnet-Assisted Synchronous Reluctance Motors with Maximum Efficiency-Power Factor and Torque per Cost. , 2018, , .		10
29	Three dimensional pole shape optimization of claw pole machines based on a hybrid model. International Journal of Applied Electromagnetics and Mechanics, 2018, 57, 73-81.	0.6	3
30	Hybrid Analytical Model Coupling Laplace's Equation and Reluctance Network for Electrical Machines. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
31	Hybrid Model: Permeance Network and 3-D Finite Element for Modeling Claw-Pole Synchronous Machines. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	16
32	New Model of Radial Force Determination in Bearingless Motor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	13
33	On the Use of Pulse Width Modulation Method for the Elimination of Flux Density Harmonics in the Air-Gap of Surface PM Motors. IEEE Transactions on Magnetics, 2009, 45, 1736-1739.	2.1	43
34	Effect of magnet segmentation on the cogging torque in surface-mounted permanent-magnet motors. IEEE Transactions on Magnetics, 2006, 42, 442-445.	2.1	152