

Mohamed Gabsi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10790984/publications.pdf>

Version: 2024-02-01

36
papers

1,544
citations

471509

17
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Excitation Synchronous Machines: Energy-Efficient Solution for Vehicles Propulsion. IEEE Transactions on Vehicular Technology, 2009, 58, 2137-2149.	6.3	308
2	A new structure of a switching flux synchronous polyphased machine with hybrid excitation. , 2007, , .		257
3	Analytical Approach for Air-Gap Modeling of Field-Excited Flux-Switching Machine: No-Load Operation. IEEE Transactions on Magnetics, 2012, 48, 2505-2517.	2.1	106
4	Modification in Rotor Pole Geometry of Mutually Coupled Switched Reluctance Machine for Torque Ripple Mitigating. IEEE Transactions on Magnetics, 2012, 48, 2025-2034.	2.1	102
5	Control of a Hybrid Excitation Synchronous Generator for Aircraft Applications. IEEE Transactions on Industrial Electronics, 2008, 55, 3772-3783.	7.9	92
6	Design and comparison of different flux-switch synchronous machines for an aircraft oil breather application. European Transactions on Electrical Power, 2005, 15, 497-511.	1.0	83
7	Comparative Study of Classical and Mutually Coupled Switched Reluctance Motors Using Multiphysics Finite-Element Modeling. IEEE Transactions on Industrial Electronics, 2014, 61, 5066-5074.	7.9	83
8	Design of a Flux-Switching Electrical Generator for Wind Turbine Systems. IEEE Transactions on Industry Applications, 2012, 48, 1808-1816.	4.9	56
9	Analytical Armature Reaction Field Prediction in Field-Excited Flux-Switching Machines Using an Exact Relative Permeance Function. IEEE Transactions on Magnetics, 2013, 49, 628-641.	2.1	56
10	Comparison of Open Circuit Flux Control Capability of a Series Double Excitation Machine and a Parallel Double Excitation Machine. IEEE Transactions on Vehicular Technology, 2011, 60, 4194-4207.	6.3	55
11	Performance Synthesis of Permanent-Magnet Synchronous Machines During the Driving Cycle of a Hybrid Electric Vehicle. IEEE Transactions on Vehicular Technology, 2011, 60, 1991-1998.	6.3	54
12	Design Optimization of a Hybrid-Excited Flux-Switching Machine for Aircraft-Safe DC Power Generation Using a Diode Bridge Rectifier. IEEE Transactions on Industrial Electronics, 2017, 64, 9896-9904.	7.9	41
13	Piezoelectric Actuator Design and Placement for Switched Reluctance Motors Active Damping. IEEE Transactions on Energy Conversion, 2009, 24, 305-313.	5.2	28
14	Power Capability of Hybrid Excited Synchronous Motors in Variable Speed Drives Applications. IEEE Transactions on Magnetics, 2019, 55, 1-12.	2.1	27
15	Semiactive and Active Piezoelectric Vibration Controls for Switched Reluctance Machine. IEEE Transactions on Energy Conversion, 2008, 23, 78-85.	5.2	25
16	Overview of hybrid excitation synchronous machines technology. , 2013, , .		25
17	Magnetic Field Solution in Doubly Slotted Airgap of Conventional and Alternate Field-Excited Switched-Flux Topologies. IEEE Transactions on Magnetics, 2013, 49, 5083-5096.	2.1	21
18	Study of a Hybrid Excitation Synchronous Machine: Modeling and Experimental Validation. Mathematical and Computational Applications, 2019, 24, 34.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Modeling of Magnetoelastic and Piezoelectric Coupling: Application to SRM Noise Damping. IEEE Transactions on Magnetics, 2009, 45, 1218-1221.	2.1	17
20	Control of a hybrid excitation synchronous generator connected to a diode bridge rectifier supplying a DC bus in embedded applications. IET Electric Power Applications, 2013, 7, 68-76.	1.8	17
21	Uni- and Bidirectional Flux Variation Loci Method for Analytical Prediction of Iron Losses in Doubly-Salient Field-Excited Switched-Flux Machines. IEEE Transactions on Magnetics, 2013, 49, 4100-4103.	2.1	10
22	Permanent magnet synchronous machines: Performances during driving cycles for a hybrid electric vehicle application. , 2010, , .		9
23	Investigation of a New Topology of Hybrid-Excited Flux-Switching Machine with Static Global Winding: Experiments and Modeling. IEEE Transactions on Industry Applications, 2015, , 1-1.	4.9	8
24	Design Optimization of Multi-Layer Permanent Magnet Synchronous Machines for Electric Vehicle Applications. Energies, 2021, 14, 7116.	3.1	8
25	Pre-optimization of hybridization ratio in hybrid excitation synchronous machines using electrical circuits modelling. Mathematics and Computers in Simulation, 2021, 184, 118-136.	4.4	7
26	Structural optimization to maximize the flux control range of a double excitation synchronous machine. Mathematics and Computers in Simulation, 2019, 158, 235-247.	4.4	6
27	Hybrid excitation synchronous generator in embedded applications: Modeling and control. Mathematics and Computers in Simulation, 2013, 90, 60-73.	4.4	4
28	Optimization of V-shaped Synchronous Motor for Automotive Application. , 2018, , .		4
29	A new method to find the fractional slot windings structures from a distributed slot windings permanent magnet synchronous machine and comparative study for a HEV application. , 2010, , .		3
30	Bi-criteria optimization design of an interior permanent magnet synchronous machine for a hybrid electric vehicle application. Mathematics and Computers in Simulation, 2013, 90, 178-191.	4.4	3
31	5-phase flux switching machine insulation failure detection using vibration monitoring. , 2014, , .		3
32	Overview of Degrees of Freedom in the Design of PM Synchronous Machines. Energies, 2021, 14, 3990.	3.1	2
33	Experimental Comparaison of Lamination Material (M330-50 & NO20) Case Switching Flux Synchronous Machine with Hybrid Excitation. EPE Journal (European Power Electronics and Drives) Tj ETQq1 1 0.784314 rgBT1/Overlo		1
34	Topology Exploration of Static-Excited Cylindrical Machines Using a General Analytical Magnetic Field Solution. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
35	Recherche des paramètres optimaux d'une machine synchrone à aimants permanents. European Journal of Electrical Engineering, 2011, 14, 135-163.	0.3	1
36	Detection and Localization of Interturn Short-Circuit Fault by Analysis of Stator Accelerations Spectrum in Five-Phase Flux Switching Machine for HEV Application. , 2020, , .		0