

# Mbika C Muteba

## List of Publications by Year in descending order

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27  
papers

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citations

2258059

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2272923

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27  
times ranked

45  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Mounted V-shapes PM assisted-Synchronous Reluctance Motor for Light Electric Vehicles. , 2022, , .		1
2	Dual-Stator Five-Phase Permanent Magnet Synchronous Machine with Hybrid Spoke-Vernier Type Rotor for Electric Vehicles. , 2022, , .		2
3	Optimization of Air Gap Length and Capacitive Auxiliary Winding in Three-Phase Induction Motors Based on a Genetic Algorithm. <i>Energies</i> , 2021, 14, 4407.	3.1	1
4	Performance Analysis of a Nine-Phase Asynchronous Motor with Open-Phase Faults. , 2021, , .		0
5	Optimal Design of Five-Phase PM Assisted-Synchronous Reluctance Motor based on Particle Swarm for Vehicle Traction Applications. , 2021, , .		0
6	Dynamic Analysis of a Wind Turbine Driven Synchronous Reluctance Generator with Three-Phase Auxiliary Stator Winding. , 2020, , .		0
7	Performance Evaluation of a Four-Port PM Vernier Motor for Hybrid Electric Vehicles. , 2020, , .		0
8	Dual Stator Dual Rotor Interior Permanent Magnet Synchronous Motor for Hybrid Electric Vehicles. , 2020, , .		3
9	Transient Analysis of a Line-Start Synchronous Reluctance Motor with Symmetrical Distributed Brass Rotor Bars. <i>Advances in Science, Technology and Engineering Systems</i> , 2020, 5, 94-102.	0.5	3
10	Influence of Mixed Stator Winding Configurations and Number of Rotor Flux-Barriers on Torque and Torque Ripple of Five-Phase Synchronous Reluctance Motors. , 2019, , .		17
11	Effect of Rotor bar Shape and Stator Slot Opening on the Performance of Three Phase Squirrel Cage Induction Motors with Broken Rotor Bars. , 2019, , .		5
12	Transient and Dynamic Analysis of a Sinusoidal Rotor Shape Synchronous Reluctance Motor with Rotor Brass Bars. , 2019, , .		1
13	Performance Evaluation of a Dual Stator-Winding Three-Phase Asynchronous Generator with Armature Reaction Effect. , 2019, , .		1
14	Comparison of Dynamic Behaviors between a Synchronous Reluctance Motor with Brass Rotor Bars and a Squirrel Cage Induction Motor. , 2019, , .		5
15	Impact Analysis of Number of Broken Rotor Bars and Rotor Bar Shape Types through Illation Method for Asynchronous Motors. , 2019, , .		2
16	Assisted Permanent Magnet Novel Synchronous Reluctance Generator for a Residential Wind Turbine Drivetrain. , 2019, , .		0
17	Influence of Air-Gap Length on the Performance of a Three-Phase Induction Motor with a Capacitive Auxiliary Stator Winding. , 2018, , .		0
18	Dynamic Analysis of a Novel Synchronous Reluctance Motor with a Sinusoidal Anisotropic Rotor. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Torque per Ampere Enhancement of a Three-Phase Induction Motor by Means of a Capacitive Auxiliary Winding. , 2018, , .		1
20	Experimental Validation of a Novel Synchronous Reluctance Motor with a Sinusoidal Rotor Shape. , 2018, , .		0
21	Dynamic Modelling and Transient Analysis of Synchronous Reluctance Motor with Cage Bars in the Rotor Structure. , 2018, , .		4
22	Design Key Aspects and Analysis of a Novel Synchronous Reluctance Motor with Sinusoidal Rotor Lamination Shape. , 2018, , .		2
23	Performance indexesâ€™ evaluation of a NSynRM with sinusoidal rotor shape. IET Electric Power Applications, 2018, 12, 852-858.	1.8	7
24	Based 3D finite element analysis of a synchronous reluctance motor with sinusoidal rotor shape. , 2017, , .		4
25	Effect of capacitive auxiliary winding on a three-phase induction motor performance behaviour. , 2017, , .		3
26	Transient analysis of a start-up synchronous reluctance motor with symmetrical distributed rotor cage bars. , 2017, , .		11
27	Influence of mixed winding arrangements on torque ripples of five-phase induction machines. Electric Power Systems Research, 2017, 151, 154-165.	3.6	8