

# Dr Syed Sabir Hussain Bukhari

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Recent Challenges and Methodologies in Smart Grid Demand Side Management: State-of-the-Art Literature Review. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	1.1	59
2	Sustainable Solutions for Advanced Energy Management System of Campus Microgrids: Model Opportunities and Future Challenges. <i>Sensors</i> , 2022, 22, 2345.	3.8	40
3	Design and Analysis of a 4-kW Two-Stack Coreless Axial Flux Permanent Magnet Synchronous Machine for Low-Speed Applications. <i>IEEE Access</i> , 2019, 7, 173848-173854.	4.2	25
4	A Comprehensive Review on Axial Flux Machines and Its Applications. , 2019, , .		21
5	Performance Improvement of Dual Stator Axial Flux Spoke Type Permanent Magnet Vernier Machine. <i>IEEE Access</i> , 2021, 9, 64179-64188.	4.2	20
6	A New Small-Scale Self-Excited Wound Rotor Synchronous Motor Topology. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-5.	2.1	19
7	Look-up Data Tables-Based Modeling of Switched Reluctance Machine and Experimental Validation of the Static Torque with Statistical Analysis. <i>Journal of Magnetics</i> , 2020, 25, 233-244.	0.4	19
8	WIND ENERGY CONVERSION SYSTEMS (WECS) GENERATORS: A REVIEW. , 2019, , .		18
9	Minimization of Cogging Torque in Axial Field Flux Switching Machine Using Arc Shaped Triangular Magnets. <i>IEEE Access</i> , 2020, 8, 227193-227201.	4.2	18
10	An Online UPS System That Eliminates the Inrush Current Phenomenon While Feeding Multiple Load Transformers. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 1149-1156.	4.9	17
11	Brushless wound field synchronous machine with third-harmonic field excitation using a single inverter. <i>Electrical Engineering</i> , 2019, 101, 165-173.	2.0	17
12	Power Quality Improvement in HVDC MMC With Modified Nearest Level Control in Real-Time HIL Based Setup. <i>IEEE Access</i> , 2020, 8, 221712-221719.	4.2	17
13	Dual-Inverter-Controlled Brushless Operation of Wound Rotor Synchronous Machines Based on an Open-Winding Pattern. <i>Energies</i> , 2020, 13, 2205.	3.1	16
14	Variable-speed, sub-harmonically excited BL-WRSM avoiding unbalanced radial force. <i>Electrical Engineering</i> , 2019, 101, 251-257.	2.0	15
15	Brushless wound rotor synchronous machine with third-harmonic field excitation. <i>Electrical Engineering</i> , 2020, 102, 259-265.	2.0	13
16	Hierarchical Control Implementation for Meshed AC/Multi-Terminal DC Grids With Offshore Windfarms Integration. <i>IEEE Access</i> , 2019, 7, 142233-142245.	4.2	12
17	Reduction of Torque Ripples in Multi-Stack Slotless Axial Flux Machine by Using Right Angled Trapezoidal Permanent Magnet. <i>IEEE Access</i> , 2021, 9, 22760-22773.	4.2	12
18	Elimination of the Inrush Current Phenomenon Associated with Single-Phase Offline UPS Systems. <i>Energies</i> , 2016, 9, 96.	3.1	11

#	ARTICLE	IF	CITATIONS
19	Line-interactive Uninterruptible Power Supply System Eliminating the Inrush Current Phenomenon. Electric Power Components and Systems, 2016, 44, 1203-1214.	1.8	11
20	Real-Time Controller Design Test Bench for High-Voltage Direct Current Modular Multilevel Converters. Applied Sciences (Switzerland), 2020, 10, 6004.	2.5	11
21	Experimental Determination of Equivalent Iron Loss Resistance for Prediction of Iron Losses in a Switched Reluctance Machine. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	11
22	Efficient Real-Time Controller Design Test Bench for Power Converter Applications. IEEE Access, 2021, 9, 118880-118892.	4.2	11
23	High-Efficient Brushless Wound Rotor Synchronous Machine Topology Based on Sub-Harmonic Field-Excitation Technique. Energies, 2021, 14, 4427.	3.1	11
24	A Sag Compensator That Eliminates the Possibility of Inrush Current While Powering Transformer-Coupled Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 891-900.	5.4	10
25	Modified Nearest Level Modulation for Full-Bridge Based HVDC MMC in Real-Time Hardware-in-Loop Setup. IEEE Access, 2021, 9, 114998-115005.	4.2	10
26	Simplified Brushless Wound Field Synchronous Machine Topology Based on a Three-Phase Rectifier. IEEE Access, 2021, 9, 8637-8648.	4.2	10
27	Analysis and Optimization of Axial Flux Permanent Magnet Machine for Cogging Torque Reduction. Mathematics, 2021, 9, 1738.	2.2	10
28	Performance Improvement of Multi-Rotor Axial Flux Vernier Permanent Magnet Machine by Permanent Magnet Shaping. IEEE Access, 2021, 9, 143188-143197.	4.2	10
29	Effect of the magnet shape on the performance of coreless axial flux permanent magnet synchronous generator. Electrical Engineering, 2022, 104, 959-968.	2.0	9
30	Asymmetrical Fault Correction for the Sensitive Loads Using a Current Regulated Voltage Source Inverter. Energies, 2016, 9, 196.	3.1	8
31	A Single-Phase Line-Interactive UPS System for Transformer-Coupled Loading Conditions. IEEE Access, 2020, 8, 23143-23153.	4.2	8
32	Utilization of reluctance torque for improvement of the starting and average torques of a brushless wound field synchronous machine. Electrical Engineering, 2021, 103, 2327-2333.	2.0	8
33	Brushless field excitation method for wound rotor synchronous machines. International Transactions on Electrical Energy Systems, 2021, 31, e12961.	1.9	6
34	Novel Single Inverter-Controlled Brushless Wound Field Synchronous Machine Topology. Mathematics, 2021, 9, 1739.	2.2	6
35	Adaptive Data Length Method for GPS Signal Acquisition in Weak to Strong Fading Conditions. Electronics (Switzerland), 2021, 10, 1735.	3.1	6
36	A Cost-Effective, Single-Phase Line-Interactive UPS System that Eliminates Inrush Current Phenomenon for Transformer-Coupled Loads. Journal of Electrical Engineering and Technology, 2016, 11, 675-682.	2.0	6

#	ARTICLE	IF	CITATIONS
37	An on-line UPS system that eliminates the inrush current phenomenon while feeding multiple load transformers. , 2015, , .		5
38	Brushless Field Excitation Scheme for Wound Field Synchronous Machines. Applied Sciences (Switzerland), 2020, 10, 5866.	2.5	5
39	Cost-Effective Single-Inverter-Controlled Brushless Technique for Wound Rotor Synchronous Machines. IEEE Access, 2020, 8, 204804-204815.	4.2	5
40	Reconfigurable Power Quality Analyzer Applied to Hardware-in-Loop Test Bench. Energies, 2021, 14, 5134.	3.1	5
41	An inrush current reduction technique for the line-interactive uninterruptible power supply systems. , 2013, , .		4
42	Cost-Effective Scheme for a Brushless Wound Rotor Synchronous Machine. World Electric Vehicle Journal, 2021, 12, 194.	3.0	4
43	Islanding Detection Strategy for Wind Farm Based on Performance Analysis of Passive Indices Having Negligible NDZ. Applied Sciences (Switzerland), 2021, 11, 9989.	2.5	4
44	Reduction of Cogging Torque in AFPM Machine Using Elliptical-Trapezoidal-Shaped Permanent Magnet. Applied Computational Electromagnetics Society Journal, 2021, 36, 1090-1098.	0.4	4
45	Mitigation of Circulating Bearing Current in Induction Motor Drive Using Modified ANN Based MRAS for Traction Application. Mathematics, 2022, 10, 1220.	2.2	4
46	Analysis and Design of a Thomson Coil Actuator System for an HVDC Circuit Breaker. IEEE Access, 2022, 10, 58354-58359.	4.2	4
47	Investigation of sinusoidal shaped rotor to reduce torque ripple in axial flux permanent magnet machine. International Journal of Ambient Energy, 2022, 43, 8113-8122.	2.5	4
48	Multifunctional Grid-Connected Voltage Source Inverter to Drive Induction Motor Operating With High-Inertia Load. IEEE Access, 2020, 8, 196765-196774.	4.2	3
49	Minimization of Torque Ripples in Multi-Stack Slotted Stator Axial-Flux Synchronous Machine by Modifying Magnet Shape. Mathematics, 2022, 10, 1653.	2.2	3
50	Unsymmetrical fault correction for sensitive loads utilizing a current regulated inverter. , 2014, , .		2
51	An inrush current elimination technique for a voltage sag compensator while powering transformer-coupled loads. , 2015, , .		2
52	A new single-phase sag compensator intended for transformer-coupled loads. IEICE Electronics Express, 2016, 13, 20160119-20160119.	0.8	2
53	A single-phase on-line UPS system for multiple load transformers. IEICE Electronics Express, 2017, 14, 20170050-20170050.	0.8	2
54	High-Harmonic Injection-Based Brushless Wound Field Synchronous Machine Topology. Mathematics, 2021, 9, 1721.	2.2	2

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55	Design of a High Torque Density Interior Permanent Magnet Synchronous Machine with improved Efficiency using Amorphous Magnetic Material. , 2021, , .		2
56	Novel Passive Islanding Detection Technique by Monitoring Reverse Power at PCC. International Transactions on Electrical Energy Systems, 2022, 2022, 1-10.	1.9	2
57	A Series Voltage Sag Compensator with Reduced Magnitude of Transformer Inrush Current. , 2018, , .		1
58	Design and Comparative Performance Analysis of Inner Rotor and Inner Stator Axial Flux Permanent Magnet Synchronous Generator for Wind turbine Applications. , 2019, , .		1
59	Novel Hybrid Consequent-Pole Brushless Wound Rotor Synchronous Machine for Improving Torque Characteristics. IEEE Access, 2022, 10, 35953-35964.	4.2	1
60	Brushless Wound Rotor Synchronous Machine Based on a Consequent-Pole Rotor Structure with Better Torque Attributes. International Transactions on Electrical Energy Systems, 2022, 2022, 1-12.	1.9	1
61	Erratum to "an online ups system that eliminates the inrush current phenomenon while feeding multiple load transformers" [mar/apr 17 1149-1156]. IEEE Transactions on Industry Applications, 2017, 53, 2650-2650.	4.9	0
62	A three-phase off-line UPS system for transformer coupled loads. IEICE Electronics Express, 2017, 14, 20170815-20170815.	0.8	0