Habib Benbouhenni

List of Publications by Year
in descending order

35	436	759233 12	839539 18
papers	citations	h-index	g-index

35	35	35	61
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Synergetic Sliding Mode Controller Applied to Direct Field-Oriented Control of Induction Generator-Based Variable Speed Dual-Rotor Wind Turbines. Energies, 2021, 14, 4437.	3.1	42
2	Terminal Synergetic Control for Direct Active and Reactive Powers in Asynchronous Generator-Based Dual-Rotor Wind Power Systems. Electronics (Switzerland), 2021, 10, 1880.	3.1	36
3	Improved Rotor Flux and Torque Control Based on the Third-Order Sliding Mode Scheme Applied to the Asynchronous Generator for the Single-Rotor Wind Turbine. Mathematics, 2021, 9, 2297.	2.2	32
4	Third-Order Sliding Mode Applied to the Direct Field-Oriented Control of the Asynchronous Generator for Variable-Speed Contra-Rotating Wind Turbine Generation Systems. Energies, 2021, 14, 5877.	3.1	31
5	New direct power synergetic-SMC technique based PWM for DFIG integrated to a variable speed dual-rotor wind power. Automatika, 2022, 63, 718-731.	2.0	28
6	Fractional-order proportional-integral superÂtwisting sliding mode controller for wind energy conversion system equipped with doubly fed induction generator. Journal of Power Electronics, 2022, 22, 1357-1373.	1.5	25
7	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
8	Advanced Direct Vector Control Method for Optimizing the Operation of a Double-Powered Induction Generator-Based Dual-Rotor Wind Turbine System. Mathematics, 2021, 9, 2403.	2.2	19
9	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
10	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
11	DPC Based on ANFIS Super-Twisting Sliding Mode Algorithm of a Doubly-Fed Induction Generator for Wind Energy System. Journal Europeen Des Systemes Automatises, 2020, 53, 69-80.	0.4	15
12	A comparison study between fuzzy PWM and SVM inverter in NSMC control of stator active and reactive power control of a DFIG based wind turbine systems. International Journal of Applied Power Engineering (IJAPE), 2019, 8, 78.	0.2	14
13	Power Control of DFIG in WECS Using DPC and NDPC-NPWM Methods. Mathematical Modelling of Engineering Problems, 2020, 7, 223-236.	0.5	14
14	Using Four-Level NSVM Technique to Improve DVC Control of a DFIG Based Wind Turbine Systems. Periodica Polytechnica Electrical Engineering and Computer Science, 2019, 63, 144-150.	1.0	11
15	Comparison study between SVPWM and FSVPWM strategy in fuzzy second order sliding mode control of a DFIG-based wind turbine. Carpathian Journal of Electronic and Computer Engineering, 2019, 12, 1-10.	0.9	11
16	Two-level DTC based on ANN controller of DFIG using 7-level hysteresis command to reduce flux ripple comparing with traditional command. , 2018, , .		10
17	ANFIS-sliding mode control of a DFIG supplied by a two-level SVPWM technique for wind energy conversion system. International Journal of Applied Power Engineering (IJAPE), 2020, 9, 36.	0.2	10
18	A comparative study between four-level NSVM and three-level NSVM technique for a DFIG-based WECSs controlled by indirect vector control. Carpathian Journal of Electronic and Computer Engineering, 2018, 11, 13-19.	0.9	9

#	Article	IF	Citations
19	Feedforward Neural Network-DTC of Multi-phase Permanent Magnet Synchronous Motor Using Five-Phase Neural Space Vector Pulse Width Modulation Strategy. Journal Europeen Des Systemes Automatises, 2021, 54, 345-354.	0.4	7
20	Application of DPC and DPC-GA to the dual-rotor wind turbine system with DFIG. IAES International Journal of Robotics and Automation, 2021, 10, 224.	0.3	7
21	Twelve Sectors DPC Control Based on Neural Hysteresis Comparators of the DFIG Integrated to Wind Power. Tecnica Italiana, 2020, 64, 347-353.	0.2	7
22	Seven-level NPC Inverter-based Neuronal Direct Torque Control of the PMSM Drives with Regulation Speed Using Neural PI Controller. International Journal of Intelligent Information Systems, 2019, 8, 85.	0.4	7
23	Higher Control Scheme Using Neural Second Order Sliding Mode and ANFIS-SVM strategy for a DFIG-Based Wind Turbine. International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, 2019, 8, 17.	0.2	6
24	Direct Torque Fuzzy Controlled Drive for Multi-phase IPMSM Based on SVM Technique. Journal Europeen Des Systemes Automatises, 2020, 53, 259-266.	0.4	5
25	FIVE-LEVEL DTC WITH 12 SECTORS OF INDUCTION MOTOR DRIVE USING NEURAL NETWORKS CONTROLLER FOR LOW TORQUE RIPPLE. Acta Electrotechnica Et Informatica, 2018, 18, 61-66.	0.3	5
26	A novel matlab/simulink model of DFIG drive using NSMC method with NSVM strategy. International Journal of Applied Power Engineering (IJAPE), 2019, 8, 221.	0.2	5
27	Direct vector command based on three-level NSVM of a doubly fed induction generator for wind energy conversion. , 2018, , .		4
28	Intelligent SVM technique of a multi-level inverter for a DFIG-based wind turbine system. International Journal of Digital Signals and Smart Systems, 2019, 3, 4.	0.2	4
29	A comparative study between NSMC and NSOSMC strategy for a DFIG integrated into wind energy system. Carpathian Journal of Electronic and Computer Engineering, 2019, 12, 1-8.	0.9	4
30	IMPROVED SWITCHING SELECTION FOR DTC OF INDUCTION MOTOR DRIVE USING ARTIFICIAL NEURAL NETWORKS. Acta Electrotechnica Et Informatica, 2018, 18, 26-34.	0.3	3
31	A Novel Switching Tables of Twelve Sectors DTC for Induction Machine Drive Using Artificial Neural Networks. Automation Control and Intelligent Systems, 2019, 7, 1.	0.2	3
32	STATOR ACTIVE AND REACTIVE POWER RIPPLES MINIMIZATION FOR DVC CONTROL OF DFIG BY USING FIVE-LEVEL NEURAL SPACE VECTOR MODULATION. Acta Electrotechnica Et Informatica, 2019, 19, 16-23.	0.3	3
33	FPWM TECHNIQUE BASED CONVERTER FOR IM DRIVES. Acta Electrotechnica Et Informatica, 2019, 19, 32-41.	0.3	2
34	Speed Regulator and Hysteresis Based on Artificial Intelligence Techniques of Three-Level DTC for Induction Motor. Acta Electrotechnica Et Informatica, 2017, 17, 50-56.	0.3	1
35	24 Sectors DTC Control with Fuzzy Hysteresis Comparators for DFIM Fed by the Three-level NPC Inverter. WSEAS Transactions on Electronics, 2022, 12, 141-154.	0.5	0