

Ngac Ky Nguyen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fault-Tolerant Control for Nonsinusoidal Multiphase Drives With Minimum Torque Ripple. IEEE Transactions on Power Electronics, 2022, 37, 6290-6304.	7.9	12
2	Enhancement of Sensorless Control for Non-Sinusoidal Multiphase Drives-Part I: Operation in Medium and High-Speed Range. Energies, 2022, 15, 607.	3.1	3
3	Adaline-Based Control Schemes for Non-Sinusoidal Multiphase Drives"Part II: Torque Optimization for Faulty Mode. Energies, 2022, 15, 249.	3.1	1
4	Torque Ripple Eliminations for Multiphase Nonsinusoidal Permanent Magnet Synchronous Machines. , 2021, , .		0
5	A Novel Five-Phase Fractional Slot Concentrated Winding with Low Space Harmonic Contents. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	11
6	Adaline-Based Control Schemes for Non-Sinusoidal Multiphase Drives"Part I: Torque Optimization for Healthy Mode. Energies, 2021, 14, 8302.	3.1	3
7	Inverter fault diagnosis of an electrical series"connected two sinusoidal six"phase permanent magnet machines drive. IET Electric Power Applications, 2020, 14, 1412-1420.	1.8	1
8	Optimal torque/speed characteristics of a Five-Phase Synchronous Machine under Peak or RMS current control strategies. , 2020, , .		4
9	Eliminations of Low-frequency Current Harmonics for Five-phase Open-end Winding Non-sinusoidal Machine Drives applying Neural Networks. , 2020, , .		2
10	Model predictive optimal control considering current and voltage limitations: Real-time validation using OPAL-RT technologies and five-phase permanent magnet synchronous machines. Mathematics and Computers in Simulation, 2019, 158, 148-161.	4.4	12
11	Torque optimisation of seven"phase BLDC machines in normal and degraded modes with constraints on current and voltage. Journal of Engineering, 2019, 2019, 3818-3824.	1.1	3
12	Low Speed Sensorless Control of Non-Salient Poles Multiphase PMSM. , 2019, , .		2
13	An Overview of Methods using Reduced-Ordered Transformation Matrices for Fault-Tolerant Control of 5-phase Machines with an Open Phase. , 2019, , .		6
14	Control strategies for non"sinusoidal multiphase PMSM drives in faulty modes under constraints on copper losses and peak phase voltage. IET Electric Power Applications, 2019, 13, 1743-1752.	1.8	15
15	Electric Vehicles Driven by 5-Phase Open-End Winding Machines Fed by Battery and Supercapacitors. , 2019, , .		0
16	Torque Optimization of a Seven-Phase Bi-harmonic PMSM in Healthy and Degraded Mode. , 2019, , .		4
17	Fault-tolerant Control for 7-phase Non-sinusoidal Permanent Magnet Machines with One Opened Phase. , 2019, , .		3
18	Inductance Identification of Synchronous Reluctance Motors Using Capacitor Discharge Method. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Integrated Traction/Charge/Air Compression Supply Using Three-Phase Split-Windings Motor for Electric Vehicles. IEEE Transactions on Power Electronics, 2018, 33, 10003-10012.	7.9	16
20	New Electrical Inversed-Series Connection for Even-Phase Symmetrical PMSMs. IEEE Transactions on Power Electronics, 2018, 33, 7938-7947.	7.9	1
21	Dual-Multiphase Motor Drives for Fault-Tolerant Applications: Power Electronic Structures and Control Strategies. IEEE Transactions on Power Electronics, 2018, 33, 572-580.	7.9	31
22	Experimental Investigation of Inverter Open-Circuit Fault Diagnosis for Biharmonic Five-Phase Permanent Magnet Drive. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 339-351.	5.4	38
23	Sensitivity of Torque Control for Seven-phase BLDC Machine with One Opened Phase under Constraints on Voltage and Current. , 2018, , .		0
24	Five-phase Bi-harmonic PMSM control under voltage and currents limits. , 2017, , .		0
25	Inverter open circuit faults diagnosis in series-connected six-phases permanent magnet drive. , 2017, , .		4
26	Open-switch and open-phase real time FDI process for multiphase PM Synchronous Motors. , 2016, , .		7
27	Adaline Neural Networks-based sensorless control of five-phase PMSM drives. , 2016, , .		6
28	Real-Time Switches Fault Diagnosis Based on Typical Operating Characteristics of Five-Phase Permanent Magnetic Synchronous Machines. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	60
29	Open Switch Fault effects analysis in five-phase PMSM designed for aerospace application. , 2016, , .		10
30	Torque ripple minimization in non-sinusoidal synchronous reluctance motors based on artificial neural networks. Electric Power Systems Research, 2016, 140, 37-45.	3.6	23
31	Performances comparison of different concentrated-winding configurations for 5-phase PMSG in normal and faulty modes in flux weakening operation for fixed pitch tidal turbines. , 2016, , .		1
32	Variable speed control of a 5-phase permanent magnet synchronous generator including voltage and current limits in healthy and open-circuited modes. Electric Power Systems Research, 2016, 140, 507-516.	3.6	19
33	Fault-Tolerant Operation of an Open-End Winding Five-Phase PMSM Drive With Short-Circuit Inverter Fault. IEEE Transactions on Industrial Electronics, 2016, 63, 595-605.	7.9	145
34	A comparative study of two fault-tolerant dual-motor drive topologies under short-circuit inverter switch fault. , 2015, , .		4
35	Optimal efficiency control of synchronous reluctance motors-based ANN considering cross magnetic saturation and iron losses. , 2015, , .		8
36	Investigation on model predictive control of a five-phase permanent magnet synchronous machine under voltage and current limits. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Fault tolerant dual-motor drives: Sizing of power electronic. , 2015, , .		5
38	Maximum torque per ampere control strategy of a 5-phase PM generator in healthy and faulty modes for tidal marine turbine application. , 2014, , .		9
39	Analytical optimal currents for multiphase PMSMs under fault conditions and saturation. , 2014, , .		8
40	Fault-Tolerant Optimal-Current Torque-Controlled Five-Phase PMSMs with Open-Circuited Phases: Position Self-Sensing Operation. , 2014, , .		7
41	A Self-Learning Solution for Torque Ripple Reduction for Nonsinusoidal Permanent-Magnet Motor Drives Based on Artificial Neural Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 655-666.	7.9	148
42	Fault-tolerant operation of an open-end winding five-phase PMSM drive with inverter faults. , 2013, , .		25
43	An investigation of Adaline for torque ripple minimization in Non-Sinusoidal Synchronous Reluctance Motors. , 2013, , .		1
44	A signal-based technique for fault detection and isolation of inverter faults in multi-phase drives. , 2012, , .		9
45	Adaline for Online Symmetrical Components and Phase-Angles Identification in Transmission Lines. IEEE Transactions on Power Delivery, 2012, 27, 1134-1143.	4.3	10
46	Adaline for symmetrical components detection in High Voltage transmission line faults. , 2011, , .		0
47	Harmonics Identification with Artificial Neural Networks: Application to Active Power Filtering. International Journal of Emerging Electric Power Systems, 2011, 12, .	0.8	10
48	A comparative experimental study of neural and conventional controllers for an active power filter. , 2010, , .		5
49	Adaline for fault detection in Electrical High Voltage transmission line. , 2010, , .		7
50	FPGA resources reduction with multiplexing technique for implementation of ANN-based harmonics extraction by mp-q method. , 2010, , .		3
51	Adaptive neural schemes for the control of a shunt active power filter. , 2009, , .		0
52	Neural networks for phase and symmetrical components estimation in power systems. , 2009, , .		14
53	Artificial neural networks for harmonic currents identification in active power filtering schemes. , 2008, , .		6