

Yao Xuliang

List of Publications by Year in descending order

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papers

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docs citations

52
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Model-Free Predictive Current Control With Advanced Current Gradient Updating Mechanism. IEEE Transactions on Industrial Electronics, 2021, 68, 11968-11979.	7.9	55
2	Design of a Real-Time Monitoring System for Smoke and Dust in Thermal Power Plants Based on Improved Genetic Algorithm. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.9	39
3	Path Planning under Constraints and Path Following Control of Autonomous Underwater Vehicle with Dynamical Uncertainties and Wave Disturbances. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 891-908.	3.4	27
4	Harmonic Reduction for 12-Pulse Rectifier Using Two Auxiliary Single-Phase Full-Wave Rectifiers. IEEE Transactions on Power Electronics, 2020, 35, 12617-12622.	7.9	16
5	A Novel Torque Boundary-Based Model Predictive Torque Control for PMSM Without Weighting Factor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4395-4406.	5.4	15
6	Path Following Based on Waypoints and Real-Time Obstacle Avoidance Control of an Autonomous Underwater Vehicle. Sensors, 2020, 20, 795.	3.8	14
7	Bilevel Optimization-Based Time-Optimal Path Planning for AUVs. Sensors, 2018, 18, 4167.	3.8	12
8	Commutation Torque Ripple Reduction for Brushless DC Motor Based on an Auxiliary Step-Up Circuit. IEEE Access, 2019, 7, 138721-138731.	4.2	10
9	Model predictive and adaptive neural sliding mode control for three-dimensional path following of autonomous underwater vehicle with input saturation. Neural Computing and Applications, 2020, 32, 16875-16889.	5.6	10
10	A 24-Pulse Rectifier With a Passive Auxiliary Current Injection Circuit at DC Side. IEEE Transactions on Power Electronics, 2022, 37, 11109-11123.	7.9	9
11	A Simple 24-Pulse Rectifier Employing an Auxiliary Pulse-Doubling Circuit. IEEE Transactions on Power Electronics, 2022, 37, 8392-8403.	7.9	8
12	A Simple 36-Pulse Rectifier With Passive Pulse-Tripling Circuit at the DC Side. IEEE Transactions on Industrial Electronics, 2023, 70, 17-28.	7.9	8
13	Compensation method for commutation torque ripple reduction of BLDC motor with misaligned hall sensors. , 2017, , .		7
14	A Simple 36-Pulse Diode Rectifier With Hybrid Pulse Multiplication Interphase Reactor at DC Side. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3540-3555.	5.4	7
15	Input Current Step-Doubling for Autotransformer-Based 12-Pulse Rectifier Using Two Auxiliary Diodes. IEEE Transactions on Industrial Electronics, 2022, 69, 7607-7617.	7.9	7
16	Setting up Reference Variants to Comply With Current Boundary Settings in Finite Set Model Predictive PMSM Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5377-5389.	5.4	7
17	Nonlinear Reduced-Order Observer-Based Predictive Control for Diving of an Autonomous Underwater Vehicle. Discrete Dynamics in Nature and Society, 2017, 2017, 1-15.	0.9	5
18	Efficient Multivariable Generalized Predictive Control for Autonomous Underwater Vehicle in Vertical Plane. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Line voltage difference integral method of commutation error adjustment for sensorless brushless DC motor. , 2018, , .		4
20	Commutation Error Compensation Strategy for Sensorless Brushless DC Motors. <i>Energies</i> , 2019, 12, 203.	3.1	4
21	A novel 12â€pulse fullâ€wave rectifier with simple circuit configuration. <i>International Journal of Circuit Theory and Applications</i> , 2020, 48, 1676-1695.	2.0	4
22	Improved AVF-PLL-Based Position Estimation Scheme for SPMSM Sensorless Drives. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 2428-2437.	5.2	4
23	Torque Ripple Minimization in Brushless DC Motor with Optimal Current Vector Control Technique. , 2018, , .		3
24	Integral vector field control for three-dimensional path following of autonomous underwater vehicle. <i>Journal of Marine Science and Technology</i> , 2021, 26, 159-173.	2.9	3
25	PWM Strategy for Start-Up Process of LLC Resonant Converter Based on Event Trigger Control Method. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1357-1361.	3.0	3
26	Constrained generalized predictive control for propulsion motor of autonomous underwater vehicle. , 2015, , .		2
27	A Novel Method of Commutation Torque Ripple Reduction for BLDC with Charged Capacitor. , 2018, , .		2
28	Rapid estimation and compensation method of commutation error caused by Hall sensor installation error for BLDC motors. <i>IET Electric Power Applications</i> , 2020, 14, 337-347.	1.8	2
29	Sequential Predictive Duty Cycle Control for Induction Motor. , 2021, , .		2
30	Pseudo Sensorless Deadbeat Predictive Current Control for PMSM Drives With Hall-Effect Sensors. , 2021, , .		2
31	Input Current Step-Tripling for 12-Pulse Rectifier Using a Passive Four-Tap Changer. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 65-75.	7.9	2
32	Research on new method of improvement of the dynamic ability for PWM rectifier. , 2014, , .		1
33	Investigation of the improved SDRE control strategy of an AUV based on the optimum of the energy. , 2015, , .		1
34	PWM control mode for four-quadrant operation of brushless DC motor. , 2017, , .		1
35	Three-dimensional path following control of underactuated autonomous underwater vehicle. , 2017, , .		1
36	Time-optimal Path Planning to Solve Motion Direction Restrict with Lower Computational Cost. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Reference Voltage Vector Based Model Predictive Torque Control with RMS Solution for PMSM. , 2019, , .		1
38	An Improved Two-Vector Model Predictive Torque Control Based on RMS Duty Ratio Optimization for PMSM. , 2019, , .		1
39	Current Boundary Based Model Predictive torque control of PMSM. , 2019, , .		1
40	Stability and Numerical Analysis of a Standby System. Journal of Shanghai Jiaotong University (Science), 2020, 25, 769-778.	0.9	1
41	Improved Predictive Torque control of PMSM Considering Inductance Parameter Mismatch. , 2021, , .		1
42	A Simple 24-Pulse Rectifier Combing Power Electronic Phase-Shifting Transformer and Pulse Doubling Inter-Phase Reactor. , 2021, , .		1
43	A New Auxiliary Pulse Multiplication Scheme for Harmonic Suppression of the 12-Pulse Rectifier. , 2022, , .		1
44	Sliding mode control of DC-DC BUCK converter based on hysteresis modulation. , 2014, , .		0
45	On the motion control strategy of AUV to optimize the voyage resistance. , 2015, , .		0
46	Investigation of thrust and load characteristics of AUV propeller under the condition of different angle incoming flow. , 2016, , .		0
47	A novel method based on delaying Hall signal for reducing torque ripple of brushless DC motor. , 2016, , .		0
48	Numerical Analysis of a System Containing Two Redundant Robots. , 2016, , .		0
49	A study about reducing torque ripple of brushless DC motor. , 2016, , .		0
50	A Rapid Output Disturbance Suppression Method for AFE Rectifier Unit Based on the New Load Current Feedforward. , 2018, , .		0
51	Predictive Current Duty Cycle Control for Induction Motor Based on Reference Voltage. , 2021, , .		0
52	A Soft Start-up Strategy of LLC Resonant Converter Based on Event Trigger Control. , 2020, , .		0