

# Yao Xuliang

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Input Current Step-Tripling for 12-Pulse Rectifier Using a Passive Four-Tap Changer. IEEE Transactions on Industrial Electronics, 2023, 70, 65-75.	7.9	2
2	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
3	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
4	PWM Strategy for Start-Up Process of LLC Resonant Converter Based on Event Trigger Control Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1357-1361.	3.0	3
5	A Simple 24-Pulse Rectifier Employing an Auxiliary Pulse-Doubling Circuit. IEEE Transactions on Power Electronics, 2022, 37, 8392-8403.	7.9	8
6	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
7	A New Auxiliary Pulse Multiplication Scheme for Harmonic Suppression of the 12-Pulse Rectifier. , 2022, , .		1
8	Improved AVF-PLL-Based Position Estimation Scheme for SPMSM Sensorless Drives. IEEE Transactions on Energy Conversion, 2022, 37, 2428-2437.	5.2	4
9	Integral vector field control for three-dimensional path following of autonomous underwater vehicle. Journal of Marine Science and Technology, 2021, 26, 159-173.	2.9	3
10	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
11	Sequential Predictive Duty Cycle Control for Induction Motor. , 2021, , .		2
12	Improved Predictive Torque control of PMSM Considering Inductance Parameter Mismatch. , 2021, , .		1
13	Pseudo Sensorless Deadbeat Predictive Current Control for PMSM Drives With Hall-Effect Sensors. , 2021, , .		2
14	Predictive Current Duty Cycle Control for Induction Motor Based on Reference Voltage. , 2021, , .		0
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	A Simple 24-Pulse Rectifier Combining Power Electronic Phase-Shifting Transformer and Pulse Doubling Inter-Phase Reactor. , 2021, , .		1
20	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
21	A novel 12-pulse full-wave rectifier with simple circuit configuration. International Journal of Circuit Theory and Applications, 2020, 48, 1676-1695.	2.0	4
22	Stability and Numerical Analysis of a Standby System. Journal of Shanghai Jiaotong University (Science), 2020, 25, 769-778.	0.9	1
23	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
24	Rapid estimation and compensation method of commutation error caused by Hall sensor installation error for BLDC motors. IET Electric Power Applications, 2020, 14, 337-347.	1.8	2
25	Path Following Based on Waypoints and Real-Time Obstacle Avoidance Control of an Autonomous Underwater Vehicle. Sensors, 2020, 20, 795.	3.8	14
26	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
27	A Soft Start-up Strategy of LLC Resonant Converter Based on Event Trigger Control. , 2020, , .		0
28	Reference Voltage Vector Based Model Predictive Torque Control with RMS Solution for PMSM. , 2019, , .		1
29	Commutation Torque Ripple Reduction for Brushless DC Motor Based on an Auxiliary Step-Up Circuit. IEEE Access, 2019, 7, 138721-138731.	4.2	10
30	An Improved Two-Vector Model Predictive Torque Control Based on RMS Duty Ratio Optimization for PMSM. , 2019, , .		1
31	Commutation Error Compensation Strategy for Sensorless Brushless DC Motors. Energies, 2019, 12, 203.	3.1	4
32	Current Boundary Based Model Predictive torque control of PMSM. , 2019, , .		1
33	Line voltage difference integral method of commutation error adjustment for sensorless brushless DC motor. , 2018, , .		4
34	Torque Ripple Minimization in Brushless DC Motor with Optimal Current Vector Control Technique. , 2018, , .		3
35	A Rapid Output Disturbance Suppression Method for AFE Rectifier Unit Based on the New Load Current Feedforward. , 2018, , .		0
36	A Novel Method of Commutation Torque Ripple Reduction for BLDC with Charged Capacitor. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Time-optimal Path Planning to Solve Motion Direction Restrict with Lower Computational Cost. , 2018, , .		1
38	Bilevel Optimization-Based Time-Optimal Path Planning for AUVs. Sensors, 2018, 18, 4167.	3.8	12
39	PWM control mode for four-quadrant operation of brushless DC motor. , 2017, , .		1
40	Compensation method for commutation torque ripple reduction of BLDC motor with misaligned hall sensors. , 2017, , .		7
41	Three-dimensional path following control of underactuated autonomous underwater vehicle. , 2017, , .		1
42	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
43	Efficient Multivariable Generalized Predictive Control for Autonomous Underwater Vehicle in Vertical Plane. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	4
44	Investigation of thrust and load characteristics of AUV propeller under the condition of different angle incoming flow. , 2016, , .		0
45	A novel method based on delaying Hall signal for reducing torque ripple of brushless DC motor. , 2016, , .		0
46	Numerical Analysis of a System Containing Two Redundant Robots. , 2016, , .		0
47	A study about reducing torque ripple of brushless DC motor. , 2016, , .		0
48	On the motion control strategy of AUV to optimize the voyage resistance. , 2015, , .		0
49	Constrained generalized predictive control for propulsion motor of autonomous underwater vehicle. , 2015, , .		2
50	Investigation of the improved SDRE control strategy of an AUV based on the optimum of the energy. , 2015, , .		1
51	Research on new method of improvement of the dynamic ability for PWM rectifier. , 2014, , .		1
52	Sliding mode control of DC-DC BUCK converter based on hysteresis modulation. , 2014, , .		0