

# Liang Zhang

## List of Publications by Year in descending order

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79  
papers

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citations

516710

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501196

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docs citations

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times ranked

386  
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#	ARTICLE	IF	CITATIONS
1	Sliding-mode surface-based adaptive actor-critic optimal control for switched nonlinear systems with average dwell time. <i>Information Sciences</i> , 2021, 580, 756-774.	6.9	117
2	Observer-based adaptive fuzzy hierarchical sliding mode control of uncertain under-actuated switched nonlinear systems with input quantization. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 8163-8185.	3.7	75
3	Model-Based adaptive event-Triggered control of nonlinear continuous-Time systems. <i>Applied Mathematics and Computation</i> , 2021, 408, 126330.	2.2	66
4	Adaptive Fuzzy Tracking Control of Switched MIMO Nonlinear Systems With Full State Constraints and Unknown Control Directions. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 2912-2916.	3.0	61
5	Decentralized adaptive neural two-bit-triggered control for nonstrict-feedback nonlinear systems with actuator failures. <i>Neurocomputing</i> , 2022, 500, 856-867.	5.9	59
6	Adaptive neural finite-time hierarchical sliding mode control of uncertain under-actuated switched nonlinear systems with backlash-like hysteresis. <i>Information Sciences</i> , 2022, 599, 147-169.	6.9	48
7	Output Reachable Set Synthesis of Event-Triggered Control for Singular Markov Jump Systems Under Multiple Cyber-Attacks. <i>IEEE/ACM Transactions on Networking</i> , 2022, 30, 2849-2857.	3.8	40
8	Command filtering-based adaptive neural network control for uncertain switched nonlinear systems using event-triggered communication. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 6507-6522.	3.7	37
9	Real-Time Reachable Set Control for Neutral Singular Markov Jump Systems With Mixed Delays. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1367-1371.	3.0	28
10	Hydrodynamic analysis and shape optimization for vertical axisymmetric wave energy converters. <i>China Ocean Engineering</i> , 2016, 30, 954-966.	1.6	27
11	Observer-Based Adaptive Fuzzy Finite-Time Control Design With Prescribed Performance for Switched Pure-Feedback Nonlinear Systems. <i>IEEE Access</i> , 2021, 9, 69481-69491.	4.2	26
12	Geometrical Evaluation on the Viscous Effect of Point-Absorber Wave-Energy Converters. <i>China Ocean Engineering</i> , 2018, 32, 443-452.	1.6	21
13	Adaptive tracking control for nonlinear system in pure-feedback form with prescribed performance and unknown hysteresis. <i>IMA Journal of Mathematical Control and Information</i> , 2022, 39, 892-911.	1.7	21
14	Energy extraction performance of motion-constrained tandem oscillating hydrofoils. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	19
15	Three-dimensional numerical simulation of a vertical axis tidal turbine using the two-way fluid structure interaction approach. <i>Journal of Zhejiang University: Science A</i> , 2013, 14, 574-582.	2.4	18
16	Experimental study of hydrodynamic performance of full-scale horizontal axis tidal current turbine. <i>Journal of Hydrodynamics</i> , 2017, 29, 109-117.	3.2	18
17	The effects of roll motion of the floating platform on hydrodynamics performance of horizontal-axis tidal current turbine. <i>Journal of Marine Science and Technology</i> , 2017, 22, 259-269.	2.9	18
18	Research on the unsteady hydrodynamic characteristics of vertical axis tidal turbine. <i>China Ocean Engineering</i> , 2014, 28, 95-103.	1.6	17

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19	The Hydrodynamic Characteristics of Free Variable-Pitch Vertical Axis Tidal Turbine. Journal of Hydrodynamics, 2012, 24, 834-839.	3.2	13
20	CFD simulation of fixed and variable pitch vertical axis tidal turbine. Journal of Marine Science and Application, 2013, 12, 185-192.	1.7	13
21	Improved results on reachable set estimation of singular systems. Applied Mathematics and Computation, 2020, 385, 125419.	2.2	13
22	Real-Time Reachable Set Control for Singular Markov Jump Networked Cascade Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1124-1128.	3.0	13
23	Prescribed Performance-Based Low-Computation Adaptive Tracking Control for Uncertain Nonlinear Systems With Periodic Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4414-4418.	3.0	13
24	Direction-of-Arrival estimation for far-field acoustic signal in presence of near-field interferences. Electronics Letters, 2015, 51, 101-103.	1.0	10
25	Motion performance and mooring system of a floating offshore wind turbine. Journal of Marine Science and Application, 2012, 11, 328-334.	1.7	9
26	Quadratic dissipation effect on the moonpool resonance. China Ocean Engineering, 2017, 31, 665-673.	1.6	8
27	Fatigue Analysis of Multi-Spanning Subsea Pipeline. , 2010, , .		7
28	Fuzzy Modeling and Control for a Class of Inverted Pendulum System. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.7	7
29	Experimental investigation on the hydrodynamic performance of a wave energy converter. China Ocean Engineering, 2017, 31, 370-377.	1.6	7
30	Array Characteristics of Oscillating-Buoy Two-Floating-Body Wave-Energy Converter. Journal of Marine Science and Application, 2019, 18, 325-333.	1.7	7
31	Reachable set synthesis for singular systems with time-varying delay via the adaptive event-triggered scheme. Journal of the Franklin Institute, 2022, 359, 1503-1521.	3.4	7
32	Optimal Configurations of Wave Energy Converter Arrays with a Floating Body. Polish Maritime Research, 2016, 23, 71-77.	1.9	6
33	Reachable set estimation of singular semi-Markov jump systems. Journal of the Franklin Institute, 2023, 360, 12535-12551.	3.4	6
34	Exploring the Effect of Length and Angle on NACA 0010 for Diffuser Design in Tidal Current Turbines. Applied Mechanics and Materials, 0, 201-202, 438-441.	0.2	5
35	Self-Starting Performance Numerical Analysis of Fixed-Pitch Vertical Axis Hydro-Turbine. Applied Mechanics and Materials, 0, 535, 102-105.	0.2	5
36	Experimental study on hydrodynamic characteristics of vertical-axis floating tidal current energy power generation device. China Ocean Engineering, 2016, 30, 749-762.	1.6	5

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37	Nonlinear PTO Effect on Performance of Vertical Axisymmetric Wave Energy Converter Using Semi-Analytical Method. Polish Maritime Research, 2017, 24, 49-57.	1.9	5
38	Experiments on Hydrodynamic Interaction Between 3-D Oval and Wall. Journal of Hydrodynamics, 2007, 19, 121-126.	3.2	4
39	Analysis of the Hydrodynamic Performance of an Oyster Wave Energy Converter Using Star-CCM+. Journal of Marine Science and Application, 2019, 18, 153-159.	1.7	4
40	Hydrodynamic Performance Study of Wave Energyâ€‘Type Floating Breakwaters. Journal of Marine Science and Application, 2019, 18, 64-71.	1.7	4
41	Interaction of two-dimensional impulsively started airfoils. Journal of Marine Science and Application, 2004, 3, 1-6.	1.7	3
42	Coupled Dynamic Analysis of a Spar Type Floating Wind Turbine. Advanced Materials Research, 2011, 346, 433-439.	0.3	3
43	Optimization of blade motion of vertical axis turbine. China Ocean Engineering, 2016, 30, 297-308.	1.6	3
44	Design and Analysis of Non-Binary LDPC-CPM System for Hybrid Check Matrix Construction Algorithm of WSN. Sensors, 2018, 18, 2418.	3.8	3
45	Oscillation and Conversion Performance of Double-Float Wave Energy Converter. Journal of Marine Science and Application, 2019, 18, 54-63.	1.7	3
46	Ringling of the roll motion of a two-dimensional barge in focused wave groups. Journal of Marine Science and Technology, 2019, 24, 1029-1042.	2.9	3
47	Numerical Simulation of Blade-Wake Interaction of Vertical Axis Tidal Turbine. Advanced Materials Research, 2011, 346, 318-323.	0.3	2
48	Study to motion response of floating offshore wind turbine under the turbulent wind. , 2011, , .		2
49	Comprehensive Study on Variable Pitch Vertical Axis Tidal Turbine. Applied Mechanics and Materials, 0, 229-231, 778-782.	0.2	2
50	Fatigue life prediction of mooring chains for a floating tidal current power station. Journal of Marine Science and Application, 2012, 11, 216-221.	1.7	2
51	Analytical Models for Seabed Interaction Effects on Steel Catenary Riser in Touchdown Zone. , 2013, , .		2
52	Design and Structural Analysis of Mono Pile Foundation for Offshore Wind Turbines. , 2010, , .		1
53	Primary Design and Dynamic Analysis of an Articulated Floating Offshore Wind Turbine. Advanced Materials Research, 0, 347-353, 2191-2194.	0.3	1
54	Power Characteristic Analysis and Optimization of Point Absorber Wave Energy Converter. Applied Mechanics and Materials, 0, 313-314, 837-842.	0.2	1

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55	Accurate Acoustic Signal Parameter Estimation for Marine Geodesy Surveys. <i>Marine Geodesy</i> , 2016, 39, 77-97.	2.0	1
56	Research on passive localization algorithm based on twin-line array focused beamforming. , 2016, , .		1
57	To investigate hydrodynamic interaction between twin vertical axis turbine working side by side using CFX. , 2017, , .		1
58	FPGA Implementation Scheme of Mixed Logarithmic Domain FFT-BP Decoding Algorithm Based on Non-Binary LDPC Codes. , 2018, , .		1
59	Numerical solutions for a two-dimensional airfoil undergoing unsteady motion. <i>Journal of Marine Science and Application</i> , 2004, 3, 7-11.	1.7	0
60	Foundation Structure Design and Analysis for Offshore Wind Turbine. <i>Key Engineering Materials</i> , 0, 419-420, 105-108.	0.4	0
61	The Research and Design of Vertical-Shaft Water Turbine Power Generation Device. <i>Advanced Materials Research</i> , 2011, 181-182, 557-562.	0.3	0
62	Analysis for a Support Structure of a Horizontal Axial Tidal Current Energy Conversion System. <i>Applied Mechanics and Materials</i> , 0, 138-139, 62-67.	0.2	0
63	Research on Support Structures of a Horizontal Axial Tidal Current Energy Conversion System. <i>Applied Mechanics and Materials</i> , 0, 105-107, 918-921.	0.2	0
64	Aerodynamic Performance of a Double-H Type Vertical-Axis Wind Turbine: Designed by a Stream-Tube and CFD Method. <i>Advanced Materials Research</i> , 2011, 346, 90-95.	0.3	0
65	Numerical Simulation of 2D Model of Diffuser for Tidal Turbines. <i>Applied Mechanics and Materials</i> , 0, 201-202, 234-237.	0.2	0
66	Experimental Studies on the Seawater Desalination System Based on Ocean Thermal Energy Conversion. <i>Applied Mechanics and Materials</i> , 0, 448-453, 3254-3258.	0.2	0
67	Effect of Diagonal Layout on Efficiency of Twin Vertical Axis Turbine. <i>Advanced Materials Research</i> , 0, 773, 203-206.	0.3	0
68	The Development and Performance Analysis on Static Experiment System of Ship Models. <i>Advanced Materials Research</i> , 0, 740, 374-381.	0.3	0
69	Optimal Design of the Mooring System for a Floating Hybrid Ocean Renewable Power Generation System. <i>Applied Mechanics and Materials</i> , 0, 672-674, 407-412.	0.2	0
70	A Simplified Design Method of Horizontal Axis Tidal Energy Turbine Blade. <i>Applied Mechanics and Materials</i> , 0, 525, 240-246.	0.2	0
71	Three-Column Floating Wind-Current Generator and the Analysis of Performance. <i>Applied Mechanics and Materials</i> , 2014, 672-674, 295-301.	0.2	0
72	The Influence of Spring Stiffness for a Passive Variable-Pitch Tidal Current Turbine. , 2014, , .		0

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73	Fuzzy modeling and control of a class of simple pendulum system based on robust technology. , 2017, , .		0
74	The Stability Analysis of T-S Fuzzy System with Constant Time-delay. , 2018, , .		0
75	Dissipative Filtering of Singular Interval Type-2 Fuzzy Singular Systems. , 2018, , .		0
76	Weighted Symbol Flipping Decoding for Non-binary LDPC Codes Based on Iteration Stopping Criterion. , 2018, , .		0
77	Sum of the Magnitude for Hard Decision Decoding Algorithm Based on Loop Update Detection. Sensors, 2018, 18, 236.	3.8	0
78	Real-time Reachable Set Estimation for Markov Jump Systems with Time-varying Delay. , 2021, , .		0
79	On reachable set estimation of nonlinear singular systems with distributed delay. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1958.	4.1	0