

Ning Sun

List of Publications by Year in descending order

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212
papers

11,155
citations

20817

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36028

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times ranked

12302
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#	ARTICLE	IF	CITATIONS
1	Adaptive neural network control for maglev vehicle systems with time-varying mass and external disturbance. <i>Neural Computing and Applications</i> , 2023, 35, 12361-12372.	5.6	30
2	Neuroadaptive Control for Complicated Underactuated Systems With Simultaneous Output and Velocity Constraints Exerted on Both Actuated and Unactuated States. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 4488-4498.	11.3	61
3	An Output Feedback Approach for Regulation of 5-DOF Offshore Cranes With Ship Yaw and Roll Perturbations. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 1705-1716.	7.9	43
4	New Adaptive Control Methods for n -Link Robot Manipulators With Online Gravity Compensation: Design and Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 539-548.	7.9	47
5	Energy-Based Motion Control for Pneumatic Artificial Muscle Actuated Robots With Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 7295-7306.	7.9	36
6	Adaptive Fuzzy Control for a Class of MIMO Underactuated Systems With Plant Uncertainties and Actuator Deadzones: Design and Experiments. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 8213-8226.	9.5	113
7	Adaptive Fuzzy Control for Uncertain Mechatronic Systems With State Estimation and Input Nonlinearities. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 1770-1780.	11.3	23
8	New Adaptive Dynamic Output Feedback Control of Double-Pendulum Ship-Mounted Cranes With Accurate Gravitational Compensation and Constrained Inputs. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 9196-9205.	7.9	11
9	Fuzzy-Sliding Mode Control for Humanoid Arm Robots Actuated by Pneumatic Artificial Muscles With Unidirectional Inputs, Saturations, and Dead Zones. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 3011-3021.	11.3	25
10	Multi-objective Trajectory Planning with State Constraints for 5-DOF Underactuated Tower Crane Systems. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 710-728.	0.4	2
11	Adaptive Coupling Anti-Swing Tracking Control of Underactuated Dual Boom Crane Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4697-4709.	9.3	15
12	Neural network-based adaptive command filtering control for pneumatic artificial muscle robots with input uncertainties. <i>Control Engineering Practice</i> , 2022, 118, 104960.	5.5	11
13	Learning-Based Error-Constrained Motion Control for Pneumatic Artificial Muscle-Actuated Exoskeleton Robots With Hardware Experiments. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 3700-3711.	5.2	6
14	Adaptive Neural Network Output Feedback Control of Uncertain Underactuated Systems With Actuated and Unactuated State Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 7027-7043.	9.3	44
15	Equivalent Rope Length-Based Trajectory Planning for Double Pendulum Bridge Cranes with Distributed Mass Payloads. <i>Actuators</i> , 2022, 11, 25.	2.3	3
16	Disturbance Compensation-Based Nonlinear Control for Pneumatic Artificial Muscle Systems With Hardware Experiments. <i>Journal of Physics: Conference Series</i> , 2022, 2213, 012033.	0.4	0
17	Observer-based adaptive fuzzy control of underactuated offshore cranes for cargo stabilization with respect to ship decks. <i>Mechanism and Machine Theory</i> , 2022, 175, 104927.	4.5	15
18	Observer-Based Adaptive Fuzzy Event-Triggered Control for Mechatronic Systems With Inaccurate Signal Transmission and Motion Constraints. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 5208-5221.	5.8	5

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19	Amplitude-Limited Optimal Control for Robot Manipulators Actuated by Pneumatic Artificial Muscles. , 2022, , .		0
20	X-Shaped Structure-Based Modeling and Control for a Stable Platform with a Series Elastic Actuator. Machines, 2022, 10, 430.	2.2	1
21	Observer-Based Nonlinear Control for Tower Cranes Suffering From Uncertain Friction and Actuator Constraints With Experimental Verification. IEEE Transactions on Industrial Electronics, 2021, 68, 6192-6204.	7.9	71
22	A neuroadaptive control method for pneumatic artificial muscle systems with hardware experiments. Mechanical Systems and Signal Processing, 2021, 146, 106976.	8.0	23
23	Adaptive Output Feedback Control for 5-DOF Varying-Cable-Length Tower Cranes With Cargo Mass Estimation. IEEE Transactions on Industrial Informatics, 2021, 17, 2453-2464.	11.3	66
24	Nonlinear Sliding Mode Tracking Control of Underactuated Tower Cranes. International Journal of Control, Automation and Systems, 2021, 19, 1065-1077.	2.7	27
25	A Nonlinear Control Approach for Aerial Transportation Systems With Improved Antiswing and Positioning Performance. IEEE Transactions on Automation Science and Engineering, 2021, 18, 2104-2114.	5.2	16
26	Adaptive Nonlinear Hierarchical Control for a Rotorcraft Transporting a Cable-Suspended Payload. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4171-4182.	9.3	32
27	Adaptive Neural Network Control of Quadrotor Unmanned Aerial Vehicle Transportation Systems. , 2021, , .		0
28	Error Constrained Hybrid Force/Position Control of a Grinding Robot. , 2021, , .		0
29	Collaborative Antiswing Hoisting Control for Dual Rotary Cranes with Motion Constraints. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	11.3	7
30	An Effective Neuro-adaptive Control Approach for Underwater Flexible Cranes With Uncertainties. , 2021, , .		1
31	Continuous finite-time output torque control approach for series elastic actuator. Mechanical Systems and Signal Processing, 2020, 139, 105853.	8.0	19
32	Neural Network-Based Adaptive Antiswing Control of an Underactuated Ship-Mounted Crane With Roll Motions and Input Dead Zones. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 901-914.	11.3	208
33	Adaptive Output-Feedback Control for Dual Overhead Crane System With Enhanced Anti-Swing Performance. IEEE Transactions on Control Systems Technology, 2020, 28, 2235-2248.	5.2	22
34	Adaptive Control for Pneumatic Artificial Muscle Systems With Parametric Uncertainties and Unidirectional Input Constraints. IEEE Transactions on Industrial Informatics, 2020, 16, 969-979.	11.3	122
35	Nonlinear Control of Underactuated Systems Subject to Both Actuated and Unactuated State Constraints With Experimental Verification. IEEE Transactions on Industrial Electronics, 2020, 67, 7702-7714.	7.9	158
36	Unmanned Quadrotor Transportation Systems with Payload Hoisting/Lowering: Dynamics Modeling and Controller Design. , 2020, , .		3

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37	An Adaptive Fuzzy Control Method of Single-Link Flexible Manipulators with Input Dead-Zones. International Journal of Fuzzy Systems, 2020, 22, 2521-2533.	4.0	8
38	Point-to-point motion control for flexible crane systems working in the deep sea. Measurement and Control, 2020, 53, 1041-1048.	1.8	1
39	Nonlinear Motion Control of Complicated Dual Rotary Crane Systems Without Velocity Feedback: Design, Analysis, and Hardware Experiments. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1017-1029.	5.2	74
40	A Simple Antiswing Input Shaper for Dual Boom Cranes. , 2020, , .		1
41	Neural Network-Based Adaptive Control for EMS Type Maglev Vehicle Systems with Time-Varying Mass. Communications in Computer and Information Science, 2020, , 381-394.	0.5	0
42	Nonlinear coordination control of offshore boom cranes with bounded control inputs. International Journal of Robust and Nonlinear Control, 2019, 29, 1165-1181.	3.7	27
43	Motion Trajectory-Based Transportation Control for 3-D Boom Cranes: Analysis, Design, and Experiments. IEEE Transactions on Industrial Electronics, 2019, 66, 3636-3646.	7.9	32
44	A Simple Control Method of Single-Link Flexible Manipulators. , 2019, , .		3
45	Dynamic Modeling and Analysis for Dual Pneumatic Artificial Muscle Actuated Manipulators. , 2019, , .		3
46	Nonlinear Output Feedback Control of Flexible Rope Crane Systems With State Constraints. IEEE Access, 2019, 7, 136193-136202.	4.2	15
47	A Robust Control Approach for Double-Pendulum Overhead Cranes With Unknown Disturbances. , 2019, , .		3
48	Proxy based position control for flexible joint robot with link side energy feedback. Robotics and Autonomous Systems, 2019, 121, 103272.	5.1	8
49	An adaptive tracking control method with swing suppression for 4-DOF tower crane systems. Mechanical Systems and Signal Processing, 2019, 123, 426-442.	8.0	78
50	Nonlinear Stable Transportation Control for Double-Pendulum Shipboard Cranes With Ship-Motion-Induced Disturbances. IEEE Transactions on Industrial Electronics, 2019, 66, 9467-9479.	7.9	41
51	An Antiswing Trajectory Planning Method With State Constraints for 4-DOF Tower Cranes: Design and Experiments. IEEE Access, 2019, 7, 62142-62151.	4.2	15
52	Trajectory planning-based control of underactuated wheeled inverted pendulum robots. Science China Information Sciences, 2019, 62, 1.	4.3	4
53	Design and Modeling of Bionic Robot Arm Actuated by Pneumatic Artificial Muscles. , 2019, , .		3
54	Hysteresis Compensation and Tracking Control of Pneumatic Artificial Muscle. , 2019, , .		2

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55	Dynamic Feedback Antiswing Control of Shipboard Cranes Without Velocity Measurement: Theory and Hardware Experiments. IEEE Transactions on Industrial Informatics, 2019, 15, 2879-2891.	11.3	27
56	Antiswing Cargo Transportation of Underactuated Tower Crane Systems by a Nonlinear Controller Embedded With an Integral Term. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1387-1398.	5.2	68
57	A Novel Energy-Coupling-Based Hierarchical Control Approach for Unmanned Quadrotor Transportation Systems. IEEE/ASME Transactions on Mechatronics, 2019, 24, 248-259.	5.8	65
58	Enhanced-coupling adaptive control for double-pendulum overhead cranes with payload hoisting and lowering. Automatica, 2019, 101, 241-251.	5.0	40
59	Transportation Control of Double-Pendulum Cranes With a Nonlinear Quasi-PID Scheme: Design and Experiments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1408-1418.	9.3	170
60	An Increased Nonlinear Coupling Motion Controller for Underactuated Multi-TORA Systems: Theoretical Design and Hardware Experimentation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1186-1193.	9.3	26
61	Adaptive Anti-Swing and Positioning Control for 4-DOF Rotary Cranes Subject to Uncertain/Unknown Parameters With Hardware Experiments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1309-1321.	9.3	88
62	Dynamics analysis and time-optimal motion planning for unmanned quadrotor transportation systems. Mechatronics, 2018, 50, 16-29.	3.3	54
63	Continuous Sliding Mode Control Strategy for a Class of Nonlinear Underactuated Systems. IEEE Transactions on Automatic Control, 2018, 63, 3471-3478.	5.7	106
64	Nonlinear control for underactuated multi-rope cranes: Modeling, theoretical design and hardware experiments. Control Engineering Practice, 2018, 76, 123-132.	5.5	11
65	Modeling and nonlinear coordination control for an underactuated dual overhead crane system. Automatica, 2018, 91, 244-255.	5.0	41
66	Nonlinear Stabilizing Control for Ship-Mounted Cranes With Ship Roll and Heave Movements: Design, Analysis, and Experiments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1781-1793.	9.3	119
67	Antiswing Control of Offshore Boom Cranes With Ship Roll Disturbances. IEEE Transactions on Control Systems Technology, 2018, 26, 740-747.	5.2	55
68	Nonlinear Antiswing Control of Offshore Cranes With Unknown Parameters and Persistent Ship-Induced Perturbations: Theoretical Design and Hardware Experiments. IEEE Transactions on Industrial Electronics, 2018, 65, 2629-2641.	7.9	57
69	An energy-optimal solution for transportation control of cranes with double pendulum dynamics: Design and experiments. Mechanical Systems and Signal Processing, 2018, 102, 87-101.	8.0	115
70	A payload swing suppression guaranteed emergency braking method for overhead crane systems. JVC/Journal of Vibration and Control, 2018, 24, 4651-4660.	2.6	18
71	Nonlinear Hierarchical Control for Unmanned Quadrotor Transportation Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 3395-3405.	7.9	122
72	Payload Lifting Control of Underactuated Boom Cranes Using Sliding Mode Theory. , 2018, , .		0

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73	Dynamics Modeling and Analysis for Cooperative Dual Rotary Crane Systems. , 2018, , .		2
74	A Flexible Rope Crane Control Method. , 2018, , .		0
75	Differential Flatness-Based Robust Control of Self-balanced Robots. IFAC-PapersOnLine, 2018, 51, 949-954.	0.9	4
76	Nonlinear time-optimal trajectory planning for varying-rope-length overhead cranes. Assembly Automation, 2018, 38, 587-594.	1.7	17
77	Nonlinear Motion Control of Underactuated Three-Dimensional Boom Cranes With Hardware Experiments. IEEE Transactions on Industrial Informatics, 2018, 14, 887-897.	11.3	53
78	Nonlinear Antiswing Control for Crane Systems With Double-Pendulum Swing Effects and Uncertain Parameters: Design and Experiments. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1413-1422.	5.2	145
79	A swing constrained time-optimal trajectory planning strategy for double pendulum crane systems. Nonlinear Dynamics, 2017, 89, 1513-1524.	5.2	62
80	Dynamic modeling and control of inverted pendulum robots moving on undulating pavements. , 2017, , .		3
81	Nonlinear Stabilization Control of Multiple-RTAC Systems Subject to Amplitude-Restricted Actuating Torques Using Only Angular Position Feedback. IEEE Transactions on Industrial Electronics, 2017, 64, 3084-3094.	7.9	34
82	Amplitude-Saturated Nonlinear Output Feedback Antiswing Control for Underactuated Cranes With Double-Pendulum Cargo Dynamics. IEEE Transactions on Industrial Electronics, 2017, 64, 2135-2146.	7.9	185
83	Sliding mode control for underactuated overhead cranes suffering from both matched and unmatched disturbances. Mechatronics, 2017, 47, 116-125.	3.3	56
84	Tracking control for magnetic-suspension systems with online unknown mass identification. Control Engineering Practice, 2017, 58, 242-253.	5.5	29
85	Nonlinear Continuous Global Stabilization Control for Underactuated RTAC Systems: Design, Analysis, and Experimentation. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1104-1115.	5.8	73
86	A novel nonlinear backstepping-based control approach for quadrotor unmanned aerial vehicle transportation systems. , 2017, , .		4
87	A tower crane tracking control method with swing suppression. , 2017, , .		4
88	Modeling and compensation of the hysteretic nonlinearity of piezoelectric actuators. , 2017, , .		0
89	An Antiswing Positioning Controller for Rotary Cranes. , 2017, , .		4
90	Disturbance rejection control for overhead cranes. , 2017, , .		0

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91	Nonlinear control of various underactuated systems: Theoretical design and industrial applications. , 2017, , .		1
92	A Practical Visual Positioning Method for Industrial Overhead Crane Systems. Lecture Notes in Computer Science, 2017, , 16-25.	1.3	2
93	Dynamics Analysis of Underactuated Cherrypicker Systems with Friction. Lecture Notes in Computer Science, 2017, , 345-354.	1.3	0
94	Ghrelin Protects against Dexamethasone-Induced INS-1 Cell Apoptosis via ERK and p38MAPK Signaling. International Journal of Endocrinology, 2016, 2016, 1-11.	1.5	19
95	Inhibition of Myocardial Ischemia/Reperfusion Injury by Exosomes Secreted from Mesenchymal Stem Cells. Stem Cells International, 2016, 2016, 1-8.	2.5	42
96	MicroRNA-19b Downregulates Gap Junction Protein Alpha1 and Synergizes with MicroRNA-1 in Viral Myocarditis. International Journal of Molecular Sciences, 2016, 17, 741.	4.1	16
97	Slew/Translation Positioning and Swing Suppression for 4-DOF Tower Cranes With Parametric Uncertainties: Design and Hardware Experimentation. IEEE Transactions on Industrial Electronics, 2016, 63, 6407-6418.	7.9	98
98	Human induced pluripotent stem cells derived endothelial cells mimicking vascular inflammatory response under flow. Biomicrofluidics, 2016, 10, 014106.	2.4	28
99	A new triple-stage stabilizing control method for two-wheeled inverted pendulum robots. , 2016, , .		1
100	Adaptive positioning and swing suppression control of underactuated cranes exhibiting double-pendulum dynamics: Theory and experimentation. , 2016, , .		6
101	Modeling and motion control of self-balance robots on the slope. , 2016, , .		10
102	Optimal trajectory planning and tracking control method for overhead cranes. IET Control Theory and Applications, 2016, 10, 692-699.	2.1	75
103	A Swing Constraint Guaranteed MPC Algorithm for Underactuated Overhead Cranes. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2543-2555.	5.8	103
104	<i>Arabidopsis</i> SAURs are critical for differential light regulation of the development of various organs. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6071-6076.	7.1	127
105	A time-optimal trajectory planning strategy for double pendulum cranes with swing suppression. , 2016, , .		4
106	A new sliding-mode like nonlinear controller for overhead cranes with smooth control inputs. , 2016, , .		0
107	A hierarchical controller for quadrotor unmanned aerial vehicle transportation systems. , 2016, , .		10
108	Associations between serum uric acid and the incidence of hypertension: a Chinese senior dynamic cohort study. Journal of Translational Medicine, 2016, 14, 110.	4.4	39

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109	CLOCK promotes 3T3 β cell proliferation via Wnt signaling. IUBMB Life, 2016, 68, 557-568.	3.4	37
110	PTPRR regulates ERK dephosphorylation in depression mice model. Journal of Affective Disorders, 2016, 193, 233-241.	4.1	7
111	A Continuous Robust Antiswing Tracking Control Scheme for Underactuated Crane Systems With Experimental Verification. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	1.6	21
112	Meta-analysis indicates that SNP rs9939609 within FTO is not associated with major depressive disorder (MDD) in Asian population. Journal of Affective Disorders, 2016, 193, 27-30.	4.1	18
113	Preliminary comparison of plasma notch-associated microRNA-34b and -34c levels in drug naive, first episode depressed patients and healthy controls. Journal of Affective Disorders, 2016, 194, 109-114.	4.1	61
114	The interaction of combined effects of the BDNF and PRKCG genes and negative life events in major depressive disorder. Psychiatry Research, 2016, 237, 72-77.	3.3	7
115	Anti-serum with anti-autoantibody activity decreases autoantibody-positive B lymphocytes and type 1 diabetes of female NOD mice. Autoimmunity, 2016, 49, 21-30.	2.6	0
116	Signaling Mechanism of Cannabinoid Receptor-2 Activation-Induced β -Endorphin Release. Molecular Neurobiology, 2016, 53, 3616-3625.	4.0	20
117	A Novel Emergency Braking Method with Payload Swing Suppression for Overhead Crane Systems. Lecture Notes in Computer Science, 2016, , 242-249.	1.3	5
118	A Genetic Susceptibility Mechanism for Major Depression. Medicine (United States), 2015, 94, e778.	1.0	7
119	Modeling and verification for a four-rope crane. , 2015, , .		2
120	TOX and CDKN2A/B Gene Polymorphisms Are Associated with Type 2 Diabetes in Han Chinese. Scientific Reports, 2015, 5, 11900.	3.3	15
121	Pre-existing interleukin 10 in cerebral arteries attenuates subsequent brain injury caused by ischemia/reperfusion. IUBMB Life, 2015, 67, 710-719.	3.4	18
122	Huaier Aqueous Extract Induces Hepatocellular Carcinoma Cells Arrest in S Phase via JNK Signaling Pathway. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-11.	1.2	19
123	Resolving the phylogeny of a speciose spider group, the family Linyphiidae (Araneae). Molecular Phylogenetics and Evolution, 2015, 91, 135-149.	2.7	23
124	Molecular Signatures of Major Depression. Current Biology, 2015, 25, 1146-1156.	3.9	224
125	Adaptive trajectory tracking control for a four-rope crane. , 2015, , .		2
126	Super-twisting-based antiswing control for underactuated double pendulum cranes. , 2015, , .		10

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127	Circadian gene hClock enhances proliferation and inhibits apoptosis of human colorectal carcinoma cells in vitro and in vivo. <i>Molecular Medicine Reports</i> , 2015, 11, 4204-4210.	2.4	23
128	Bach1 Represses Wnt/ β^2 -Catenin Signaling and Angiogenesis. <i>Circulation Research</i> , 2015, 117, 364-375.	4.5	113
129	Biliary tract reconstruction with or without T-tube in orthotopic liver transplantation: a systematic review and meta-analysis. <i>Expert Review of Gastroenterology and Hepatology</i> , 2015, 9, 529-538.	3.0	28
130	Transcriptional Regulation of the Daptomycin Gene Cluster in <i>Streptomyces roseosporus</i> by an Autoregulator, AtrA. <i>Journal of Biological Chemistry</i> , 2015, 290, 7992-8001.	3.4	69
131	Adaptive antiswing control for cranes in the presence of rail length constraints and uncertainties. <i>Nonlinear Dynamics</i> , 2015, 81, 41-51.	5.2	42
132	Impact of Pretreatment Technologies on Saccharification and Isopentenol Fermentation of Mixed Lignocellulosic Feedstocks. <i>Bioenergy Research</i> , 2015, 8, 1004-1013.	3.9	40
133	Functional diversity of jasmonates in rice. <i>Rice</i> , 2015, 8, 42.	4.0	79
134	Blending municipal solid waste with corn stover for sugar production using ionic liquid process. <i>Bioresource Technology</i> , 2015, 186, 200-206.	9.6	28
135	Human induced pluripotent stem cell-derived beating cardiac tissues on paper. <i>Lab on A Chip</i> , 2015, 15, 4283-4290.	6.0	53
136	The roles of Mesp family proteins: functional diversity and redundancy in differentiation of pluripotent stem cells and mammalian mesodermal development. <i>Protein and Cell</i> , 2015, 6, 553-561.	11.0	10
137	Energy-based control of double pendulum cranes. , 2015, , .		3
138	A Novel sliding mode control method for an inertia wheel pendulum system. , 2015, , .		7
139	Adaptive Nonlinear Crane Control With Load Hoisting/Lowering and Unknown Parameters: Design and Experiments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 2107-2119.	5.8	116
140	How Alkyl Chain Length of Alcohols Affects Lignin Fractionation and Ionic Liquid Recycle During Lignocellulose Pretreatment. <i>Bioenergy Research</i> , 2015, 8, 973-981.	3.9	17
141	Antimicrobial activity of a quinuclidine-based FtsZ inhibitor and its synergistic potential with β^2 -lactam antibiotics. <i>Journal of Antibiotics</i> , 2015, 68, 253-258.	2.0	35
142	Visual servoing of mobile robots for posture stabilization: from theory to experiments. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 1-15.	3.7	68
143	Design of low-cost ionic liquids for lignocellulosic biomass pretreatment. <i>Green Chemistry</i> , 2015, 17, 1728-1734.	9.0	384
144	A New Antiswing Control Method for Underactuated Cranes With Unmodeled Uncertainties: Theoretical Design and Hardware Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 453-465.	7.9	100

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145	Homology-Integrated CRISPR-Cas (HI-CRISPR) System for One-Step Multigene Disruption in <i>Saccharomyces cerevisiae</i> . ACS Synthetic Biology, 2015, 4, 585-594.	3.8	308
146	Microarray Profiling and Co-Expression Network Analysis of Circulating lncRNAs and mRNAs Associated with Major Depressive Disorder. PLoS ONE, 2014, 9, e93388.	2.5	103
147	Function and Evolution of Two Forms of SecDF Homologs in <i>Streptomyces coelicolor</i> . PLoS ONE, 2014, 9, e105237.	2.5	17
148	An analytical trajectory planning method for underactuated overhead cranes with constraints. , 2014, , .		7
149	Rebound burst firing in the reticular thalamus is not essential for pharmacological absence seizures in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11828-11833.	7.1	48
150	An enhanced coupling nonlinear control method for bridge cranes. IET Control Theory and Applications, 2014, 8, 1215-1223.	2.1	31
151	Minimum-Time Trajectory Planning for Underactuated Overhead Crane Systems With State and Control Constraints. IEEE Transactions on Industrial Electronics, 2014, 61, 6915-6925.	7.9	107
152	Structure-based Design, Synthesis, and Biological Evaluation of Isatin Derivatives as Potential Glycosyltransferase Inhibitors. Chemical Biology and Drug Design, 2014, 84, 685-696.	3.2	19
153	Putting things in order. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16236-16237.	7.1	7
154	A novel optimal trajectory planning method for overhead cranes with analytical expressions. , 2014, , .		1
155	Proteasome involvement in a complex cascade mediating SigT degradation during differentiation of <i>Streptomyces coelicolor</i> . FEBS Letters, 2014, 588, 608-613.	2.8	9
156	Seamless correction of the sickle cell disease mutation of the <i>HBB</i> gene in human induced pluripotent stem cells using TALENs. Biotechnology and Bioengineering, 2014, 111, 1048-1053.	3.3	116
157	A single-chain TALEN architecture for genome engineering. Molecular BioSystems, 2014, 10, 446-453.	2.9	15
158	SunnyTALEN: A second-generation TALEN system for human genome editing. Biotechnology and Bioengineering, 2014, 111, 683-691.	3.3	22
159	Enhancing the interaction between annexin-1 and formyl peptide receptors regulates microglial activation to protect neurons from ischemia-like injury. Journal of Neuroimmunology, 2014, 276, 24-36.	2.3	38
160	A signal-on fluorescence biosensor for detection of adenosine triphosphate based on click chemistry. Analytical Methods, 2014, 6, 3370-3374.	2.7	10
161	Adaptive control of underactuated crane systems subject to bridge length limitation and parametric uncertainties. , 2014, , .		12
162	A novel anti-swing control method for 3-D overhead cranes. , 2014, , .		12

#	ARTICLE	IF	CITATIONS
163	Nonlinear tracking control of underactuated cranes with load transferring and lowering: Theory and experimentation. <i>Automatica</i> , 2014, 50, 2350-2357.	5.0	82
164	Applications of human-induced pluripotent stem cells in the investigation of inherited cardiomyopathy. <i>International Journal of Cardiology</i> , 2014, 177, 604-606.	1.7	3
165	Dynamics Analysis and Nonlinear Control of an Offshore Boom Crane. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 414-427.	7.9	136
166	Understanding pretreatment efficacy of four cholinium and imidazolium ionic liquids by chemistry and computation. <i>Green Chemistry</i> , 2014, 16, 2546-2557.	9.0	138
167	Characterization of the N-oxygenase AurF from <i>Streptomyces thioletus</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5569-5577.	3.0	28
168	Partially saturated nonlinear control for gantry cranes with hardware experiments. <i>Nonlinear Dynamics</i> , 2014, 77, 655-666.	5.2	9
169	Clock upregulates intercellular adhesion molecule-1 expression and promotes mononuclear cells adhesion to endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 586-591.	2.1	31
170	A combined study of GSK3 β polymorphisms and brain network topological metrics in major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 210-217.	1.8	45
171	An efficient online trajectory generating method for underactuated crane systems. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 1653-1663.	3.7	89
172	A Two-Plasmid Bacterial Selection System for Characterization and Engineering of Homing Endonucleases. <i>Methods in Molecular Biology</i> , 2014, 1123, 87-96.	0.9	5
173	Rational Design of Berberine-Based FtsZ Inhibitors with Broad-Spectrum Antibacterial Activity. <i>PLoS ONE</i> , 2014, 9, e97514.	2.5	82
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