

# Ning Sun

## List of Publications by Year in descending order

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212  
papers

11,155  
citations

20817

60  
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36028

97  
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212  
all docs

212  
docs citations

212  
times ranked

12302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy. <i>Science Translational Medicine</i> , 2012, 4, 130ra47.	12.4	590
2	Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 101-113.	11.1	584
3	Design of low-cost ionic liquids for lignocellulosic biomass pretreatment. <i>Green Chemistry</i> , 2015, 17, 1728-1734.	9.0	384
4	Homology-Integrated CRISPR-Cas (HI-CRISPR) System for One-Step Multigene Disruption in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2015, 4, 585-594.	3.8	308
5	Single cell transcriptional profiling reveals heterogeneity of human induced pluripotent stem cells. <i>Journal of Clinical Investigation</i> , 2011, 121, 1217-1221.	8.2	261
6	Molecular Signatures of Major Depression. <i>Current Biology</i> , 2015, 25, 1146-1156.	3.9	224
7	Transcription activator-like effector nucleases (TALENs): A highly efficient and versatile tool for genome editing. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1811-1821.	3.3	210
8	Neural Network-Based Adaptive Antiswing Control of an Underactuated Ship-Mounted Crane With Roll Motions and Input Dead Zones. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 901-914.	11.3	208
9	Amplitude-Saturated Nonlinear Output Feedback Antiswing Control for Underactuated Cranes With Double-Pendulum Cargo Dynamics. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 2135-2146.	7.9	185
10	A Novel Kinematic Coupling-Based Trajectory Planning Method for Overhead Cranes. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012, 17, 166-173.	5.8	179
11	New Energy Analytical Results for the Regulation of Underactuated Overhead Cranes: An End-Effector Motion-Based Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 4723-4734.	7.9	173
12	Short-Term Immunosuppression Promotes Engraftment of Embryonic and Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 309-317.	11.1	170
13	Transportation Control of Double-Pendulum Cranes With a Nonlinear Quasi-PID Scheme: Design and Experiments. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1408-1418.	9.3	170
14	Nonlinear Control of Underactuated Systems Subject to Both Actuated and Unactuated State Constraints With Experimental Verification. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 7702-7714.	7.9	158
15	Energy coupling output feedback control of 4-DOF underactuated cranes with saturated inputs. <i>Automatica</i> , 2013, 49, 1318-1325.	5.0	150
16	Nonlinear Antiswing Control for Crane Systems With Double-Pendulum Swing Effects and Uncertain Parameters: Design and Experiments. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018, 15, 1413-1422.	5.2	145
17	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
18	Dynamics Analysis and Nonlinear Control of an Offshore Boom Crane. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 414-427.	7.9	136

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19	<i>Arabidopsis</i> SAURs are critical for differential light regulation of the development of various organs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6071-6076.	7.1	127
20	Nonlinear Hierarchical Control for Unmanned Quadrotor Transportation Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 3395-3405.	7.9	122
21	Adaptive Control for Pneumatic Artificial Muscle Systems With Parametric Uncertainties and Unidirectional Input Constraints. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 969-979.	11.3	122
22	Optimized TAL effector nucleases (TALENs) for use in treatment of sickle cell disease. <i>Molecular BioSystems</i> , 2012, 8, 1255.	2.9	120
23	Nonlinear Stabilizing Control for Ship-Mounted Cranes With Ship Roll and Heave Movements: Design, Analysis, and Experiments. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1781-1793.	9.3	119
24	In vivo directed differentiation of pluripotent stem cells for skeletal regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20379-20384.	7.1	116
25	Seamless correction of the sickle cell disease mutation of the <i>HBB</i> gene in human induced pluripotent stem cells using TALENs. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1048-1053.	3.3	116
26	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
27	An energy-optimal solution for transportation control of cranes with double pendulum dynamics: Design and experiments. <i>Mechanical Systems and Signal Processing</i> , 2018, 102, 87-101.	8.0	115
28	Bach1 Represses Wnt/ $\beta$ 2-Catenin Signaling and Angiogenesis. <i>Circulation Research</i> , 2015, 117, 364-375.	4.5	113
29	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
30	Transportation task-oriented trajectory planning for underactuated overhead cranes using geometric analysis. <i>IET Control Theory and Applications</i> , 2012, 6, 1410-1423.	2.1	109
31	Minimum-Time Trajectory Planning for Underactuated Overhead Crane Systems With State and Control Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 6915-6925.	7.9	107
32	Continuous Sliding Mode Control Strategy for a Class of Nonlinear Underactuated Systems. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3471-3478.	5.7	106
33	Atomic Force Mechanobiology of Pluripotent Stem Cell-Derived Cardiomyocytes. <i>PLoS ONE</i> , 2012, 7, e37559.	2.5	106
34	Microarray Profiling and Co-Expression Network Analysis of Circulating lncRNAs and mRNAs Associated with Major Depressive Disorder. <i>PLoS ONE</i> , 2014, 9, e93388.	2.5	103
35	A Swing Constraint Guaranteed MPC Algorithm for Underactuated Overhead Cranes. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 2543-2555.	5.8	103
36	Disrupted resting-state functional connectivity of the hippocampus in medication-naïve patients with major depressive disorder. <i>Journal of Affective Disorders</i> , 2012, 141, 194-203.	4.1	101

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37	A New Antiswing Control Method for Underactuated Cranes With Unmodeled Uncertainties: Theoretical Design and Hardware Experiments. IEEE Transactions on Industrial Electronics, 2015, 62, 453-465.	7.9	100
38	Genome Editing of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells With Zinc Finger Nucleases for Cellular Imaging. Circulation Research, 2012, 111, 1494-1503.	4.5	99
39	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
40	A Thermophilic Ionic Liquid-Tolerant Cellulase Cocktail for the Production of Cellulosic Biofuels. PLoS ONE, 2012, 7, e37010.	2.5	98
41	Directed evolution as a powerful synthetic biology tool. Methods, 2013, 60, 81-90.	3.8	92
42	An efficient online trajectory generating method for underactuated crane systems. International Journal of Robust and Nonlinear Control, 2014, 24, 1653-1663.	3.7	89
43	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
44	Nonlinear tracking control of underactuated cranes with load transferring and lowering: Theory and experimentation. Automatica, 2014, 50, 2350-2357.	5.0	82
45	Rational Design of Berberine-Based FtsZ Inhibitors with Broad-Spectrum Antibacterial Activity. PLoS ONE, 2014, 9, e97514.	2.5	82
46	Functional diversity of jasmonates in rice. Rice, 2015, 8, 42.	4.0	79
47	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
48	Optimal trajectory planning and tracking control method for overhead cranes. IET Control Theory and Applications, 2016, 10, 692-699.	2.1	75
49	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
50	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
51	Benzothiazole-substituted benzofuroquinolinium dye: a selective switch-on fluorescent probe for G-quadruplex. Chemical Communications, 2011, 47, 4971.	4.1	72
52	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
53	Transcriptional Regulation of the Daptomycin Gene Cluster in Streptomyces roseosporus by an Autoregulator, AtrA. Journal of Biological Chemistry, 2015, 290, 7992-8001.	3.4	69
54	Visual servoing of mobile robots for posture stabilization: from theory to experiments. International Journal of Robust and Nonlinear Control, 2015, 25, 1-15.	3.7	68

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55	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
56	Highly efficient iridium (<scp>iii</scp>) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. Journal of Materials Chemistry C, 2013, 1, 808-821.	5.5	66
57	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
58	Identification of a New Class of FtsZ Inhibitors by Structure-Based Design and <i>in Vitro</i> Screening. Journal of Chemical Information and Modeling, 2013, 53, 2131-2140.	5.4	65
59	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
60	Production and extraction of sugars from switchgrass hydrolyzed in ionic liquids. Biotechnology for Biofuels, 2013, 6, 39.	6.2	62
61	A swing constrained time-optimal trajectory planning strategy for double pendulum crane systems. Nonlinear Dynamics, 2017, 89, 1513-1524.	5.2	62
62	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
63	Neuroadaptive Control for Complicated Underactuated Systems With Simultaneous Output and Velocity Constraints Exerted on Both Actuated and Unactuated States. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4488-4498.	11.3	61
64	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
65	Sliding mode control for underactuated overhead cranes suffering from both matched and unmatched disturbances. Mechatronics, 2017, 47, 116-125.	3.3	56
66	Antiswing Control of Offshore Boom Cranes With Ship Roll Disturbances. IEEE Transactions on Control Systems Technology, 2018, 26, 740-747.	5.2	55
67	Dynamics analysis and time-optimal motion planning for unmanned quadrotor transportation systems. Mechatronics, 2018, 50, 16-29.	3.3	54
68	Human induced pluripotent stem cell-derived beating cardiac tissues on paper. Lab on A Chip, 2015, 15, 4283-4290.	6.0	53
69	Nonlinear Motion Control of Underactuated Three-Dimensional Boom Cranes With Hardware Experiments. IEEE Transactions on Industrial Informatics, 2018, 14, 887-897.	11.3	53
70	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
71	New Adaptive Control Methods for \$n\$-Link Robot Manipulators With Online Gravity Compensation: Design and Experiments. IEEE Transactions on Industrial Electronics, 2022, 69, 539-548.	7.9	47
72	Recent advances in targeted genome engineering in mammalian systems. Biotechnology Journal, 2012, 7, 1074-1087.	3.5	46

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73	A combined study of GSK3 $\beta$ polymorphisms and brain network topological metrics in major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 210-217.	1.8	45
74	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
75	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
76	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
77	Inhibition of Myocardial Ischemia/Reperfusion Injury by Exosomes Secreted from Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-8.	2.5	42
78	Effects of an antidepressant on neural correlates of emotional processing in patients with major depression. <i>Neuroscience Letters</i> , 2012, 527, 55-59.	2.1	41
79	Modeling and nonlinear coordination control for an underactuated dual overhead crane system. <i>Automatica</i> , 2018, 91, 244-255.	5.0	41
80	Nonlinear Stable Transportation Control for Double-Pendulum Shipboard Cranes With Ship-Motion-Induced Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 9467-9479.	7.9	41
81	Acid enhanced ionic liquid pretreatment of biomass. <i>Green Chemistry</i> , 2013, 15, 1264.	9.0	40
82	Impact of Pretreatment Technologies on Saccharification and Isopentenol Fermentation of Mixed Lignocellulosic Feedstocks. <i>Bioenergy Research</i> , 2015, 8, 1004-1013.	3.9	40
83	Enhanced-coupling adaptive control for double-pendulum overhead cranes with payload hoisting and lowering. <i>Automatica</i> , 2019, 101, 241-251.	5.0	40
84	Associations between serum uric acid and the incidence of hypertension: a Chinese senior dynamic cohort study. <i>Journal of Translational Medicine</i> , 2016, 14, 110.	4.4	39
85	Enhancing the interaction between annexin-1 and formyl peptide receptors regulates microglial activation to protect neurons from ischemia-like injury. <i>Journal of Neuroimmunology</i> , 2014, 276, 24-36.	2.3	38
86	CLOCK promotes 3T3 $\beta$ 1 cell proliferation via Wnt signaling. <i>IUBMB Life</i> , 2016, 68, 557-568.	3.4	37
87	Hypoxia Induces an Increase in Intracellular Magnesium via Transient Receptor Potential Melastatin 7 (TRPM7) Channels in Rat Hippocampal Neurons in Vitro. <i>Journal of Biological Chemistry</i> , 2011, 286, 20194-20207.	3.4	36
88	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
89	Sacrificial layer technique for axial force post assay of immature cardiomyocytes. <i>Biomedical Microdevices</i> , 2013, 15, 171-181.	2.8	35
90	Antimicrobial activity of a quinuclidine-based FtsZ inhibitor and its synergistic potential with $\beta$ -lactam antibiotics. <i>Journal of Antibiotics</i> , 2015, 68, 253-258.	2.0	35

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91	Nonlinear Stabilization Control of Multiple-RTAC Systems Subject to Amplitude-Restricted Actuating Torques Using Only Angular Position Feedback. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 3084-3094.	7.9	34
92	Motion Trajectory-Based Transportation Control for 3-D Boom Cranes: Analysis, Design, and Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 3636-3646.	7.9	32
93	Adaptive Nonlinear Hierarchical Control for a Rotorcraft Transporting a Cable-Suspended Payload. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4171-4182.	9.3	32
94	An enhanced coupling nonlinear control method for bridge cranes. <i>IET Control Theory and Applications</i> , 2014, 8, 1215-1223.	2.1	31
95	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
96	Studies in Adipose-Derived Stromal Cells: Migration and Participation in Repair of Cranial Injury after Systemic Injection. <i>Plastic and Reconstructive Surgery</i> , 2011, 127, 1130-1140.	1.4	30
97	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
98	Continuous GSK-3 $\beta$ overexpression in the hippocampal dentate gyrus induces prodepressant-like effects and increases sensitivity to chronic mild stress in mice. <i>Journal of Affective Disorders</i> , 2013, 146, 45-52.	4.1	29
99	Tracking control for magnetic-suspension systems with online unknown mass identification. <i>Control Engineering Practice</i> , 2017, 58, 242-253.	5.5	29
100	Characterization of the N-oxygenase AurF from <i>Streptomyces thioletus</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5569-5577.	3.0	28
101	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
102	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
103	Human induced pluripotent stem cells derived endothelial cells mimicking vascular inflammatory response under flow. <i>Biomicrofluidics</i> , 2016, 10, 014106.	2.4	28
104	Phase plane analysis based motion planning for underactuated overhead cranes. , 2011, , .		27
105	A COMPARISON OF MELANCHOLIC AND NONMELANCHOLIC RECURRENT MAJOR DEPRESSION IN HAN CHINESE WOMEN. <i>Depression and Anxiety</i> , 2012, 29, 4-9.	4.1	27
106	Nonlinear coordination control of offshore boom cranes with bounded control inputs. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 1165-1181.	3.7	27
107	Dynamic Feedback Antiswing Control of Shipboard Cranes Without Velocity Measurement: Theory and Hardware Experiments. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2879-2891.	11.3	27
108	Nonlinear Sliding Mode Tracking Control of Underactuated Tower Cranes. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 1065-1077.	2.7	27

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109	hClock gene expression in human colorectal carcinoma. <i>Molecular Medicine Reports</i> , 2013, 8, 1017-1022.	2.4	26
110	An Increased Nonlinear Coupling Motion Controller for Underactuated Multi-TORA Systems: Theoretical Design and Hardware Experimentation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1186-1193.	9.3	26
111	An increased coupling-based control method for underactuated crane systems: theoretical design and experimental implementation. <i>Nonlinear Dynamics</i> , 2012, 70, 1135-1146.	5.2	25
112	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
113	Resolving the phylogeny of a speciose spider group, the family Linyphiidae (Araneae). <i>Molecular Phylogenetics and Evolution</i> , 2015, 91, 135-149.	2.7	23
114	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
115	A neuroadaptive control method for pneumatic artificial muscle systems with hardware experiments. <i>Mechanical Systems and Signal Processing</i> , 2021, 146, 106976.	8.0	23
116	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
117	SunnyTALEN: A second-generation TALEN system for human genome editing. <i>Biotechnology and Bioengineering</i> , 2014, 111, 683-691.	3.3	22
118	Adaptive Output-Feedback Control for Dual Overhead Crane System With Enhanced Anti-Swing Performance. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 2235-2248.	5.2	22
119	A Continuous Robust Antiswing Tracking Control Scheme for Underactuated Crane Systems With Experimental Verification. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016, 138, .	1.6	21
120	Signaling Mechanism of Cannabinoid Receptor-2 Activation-Induced $\beta$ -Endorphin Release. <i>Molecular Neurobiology</i> , 2016, 53, 3616-3625.	4.0	20
121	Dual Positive Feedback Regulation of Protein Degradation of an Extra-cytoplasmic Function $\sigma$ Factor for Cell Differentiation in <i>Streptomyces coelicolor</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 31217-31228.	3.4	19
122	Structure-based Design, Synthesis, and Biological Evaluation of Isatin Derivatives as Potential Glycosyltransferase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2014, 84, 685-696.	3.2	19
123	Huaier Aqueous Extract Induces Hepatocellular Carcinoma Cells Arrest in S Phase via JNK Signaling Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	1.2	19
124	Ghrelin Protects against Dexamethasone-Induced INS-1 Cell Apoptosis via ERK and p38MAPK Signaling. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-11.	1.5	19
125	Continuous finite-time output torque control approach for series elastic actuator. <i>Mechanical Systems and Signal Processing</i> , 2020, 139, 105853.	8.0	19
126	Pre-existing interleukin 10 in cerebral arteries attenuates subsequent brain injury caused by ischemia/reperfusion. <i>IUBMB Life</i> , 2015, 67, 710-719.	3.4	18



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127	Meta-analysis indicates that SNP rs9939609 within FTO is not associated with major depressive disorder (MDD) in Asian population. <i>Journal of Affective Disorders</i> , 2016, 193, 27-30.	4.1	18
128	A payload swing suppression guaranteed emergency braking method for overhead crane systems. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4651-4660.	2.6	18
129	Possible Association of the <i>GSK3<math>\beta</math></i> Gene with the Anxiety Symptoms of Major Depressive Disorder and P300 Waveform. <i>Genetic Testing and Molecular Biomarkers</i> , 2012, 16, 1382-1389.	0.7	17
130	Function and Evolution of Two Forms of SecDF Homologs in <i>Streptomyces coelicolor</i> . <i>PLoS ONE</i> , 2014, 9, e105237.	2.5	17
131	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
132	Nonlinear time-optimal trajectory planning for varying-rope-length overhead cranes. <i>Assembly Automation</i> , 2018, 38, 587-594.	1.7	17
133	Association between AKT1 gene polymorphisms and depressive symptoms in the Chinese Han population with major depressive disorder. <i>Neural Regeneration Research</i> , 2012, 7, 235-9.	3.0	17
134	MicroRNA-19b Downregulates Gap Junction Protein Alpha1 and Synergizes with MicroRNA-1 in Viral Myocarditis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 741.	4.1	16
135	A Nonlinear Control Approach for Aerial Transportation Systems With Improved Antiswing and Positioning Performance. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 2104-2114.	5.2	16
136	Induced Pluripotency of Human Prostatic Epithelial Cells. <i>PLoS ONE</i> , 2013, 8, e64503.	2.5	15
137	A single-chain TALEN architecture for genome engineering. <i>Molecular BioSystems</i> , 2014, 10, 446-453.	2.9	15
138	TOX and CDKN2A/B Gene Polymorphisms Are Associated with Type 2 Diabetes in Han Chinese. <i>Scientific Reports</i> , 2015, 5, 11900.	3.3	15
139	Nonlinear Output Feedback Control of Flexible Rope Crane Systems With State Constraints. <i>IEEE Access</i> , 2019, 7, 136193-136202.	4.2	15
140	An Antiswing Trajectory Planning Method With State Constraints for 4-DOF Tower Cranes: Design and Experiments. <i>IEEE Access</i> , 2019, 7, 62142-62151.	4.2	15
141	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
142	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
143	An energy exchanging and dropping-based model-free output feedback crane control method. <i>Mechatronics</i> , 2013, 23, 549-558.	3.3	14
144	Adaptive control of underactuated crane systems subject to bridge length limitation and parametric uncertainties. , 2014, , .		12

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145	A novel anti-swing control method for 3-D overhead cranes. , 2014, , .		12
146	Nonlinear control for underactuated multi-rope cranes: Modeling, theoretical design and hardware experiments. Control Engineering Practice, 2018, 76, 123-132.	5.5	11
147	New Adaptive Dynamic Output Feedback Control of Double-Pendulum Ship-Mounted Cranes With Accurate Gravitational Compensation and Constrained Inputs. IEEE Transactions on Industrial Electronics, 2022, 69, 9196-9205.	7.9	11
148	Adaptive Trajectory Tracking Control of Underactuated 3-dimensional Overhead Crane Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 1287-1294.	0.3	11
149	Neural network-based adaptive command filtering control for pneumatic artificial muscle robots with input uncertainties. Control Engineering Practice, 2022, 118, 104960.	5.5	11
150	A signal-on fluorescence biosensor for detection of adenosine triphosphate based on click chemistry. Analytical Methods, 2014, 6, 3370-3374.	2.7	10
151	Super-twisting-based antishwing control for underactuated double pendulum cranes. , 2015, , .		10
152	The roles of Mesp family proteins: functional diversity and redundancy in differentiation of pluripotent stem cells and mammalian mesodermal development. Protein and Cell, 2015, 6, 553-561.	11.0	10
153	Modeling and motion control of self-balance robots on the slope. , 2016, , .		10
154	A hierarchical controller for quadrotor unmanned aerial vehicle transportation systems. , 2016, , .		10
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	Partially saturated nonlinear control for gantry cranes with hardware experiments. Nonlinear Dynamics, 2014, 77, 655-666.	5.2	9
157	Proxy based position control for flexible joint robot with link side energy feedback. Robotics and Autonomous Systems, 2019, 121, 103272.	5.1	8
158	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
159	Seroprevalence of <i>Toxoplasma gondii</i> Infection in Police Dogs in Shenyang, Northeastern China. Korean Journal of Parasitology, 2013, 51, 579-581.	1.3	8
160	An analytical trajectory planning method for underactuated overhead cranes with constraints. , 2014, , .		7
161	Putting things in order. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16236-16237.	7.1	7
162	A Genetic Susceptibility Mechanism for Major Depression. Medicine (United States), 2015, 94, e778.	1.0	7

#	ARTICLE	IF	CITATIONS
163	A Novel sliding mode control method for an inertia wheel pendulum system. , 2015, , .		7
164	PTPRR regulates ERK dephosphorylation in depression mice model. Journal of Affective Disorders, 2016, 193, 233-241.	4.1	7
165	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
166	Collaborative Antiswing Hoisting Control for Dual Rotary Cranes with Motion Constraints. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	11.3	7
167	Validation of the AmpC $\beta$ -Lactamase Binding Site and Identification of Inhibitors with Novel Scaffolds. Journal of Chemical Information and Modeling, 2012, 52, 1367-1375.	5.4	6
168	Adaptive positioning and swing suppression control of underactuated cranes exhibiting double-pendulum dynamics: Theory and experimentation. , 2016, , .		6
169	Learning-Based Error-Constrained Motion Control for Pneumatic Artificial Muscle-Actuated Exoskeleton Robots With Hardware Experiments. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3700-3711.	5.2	6
170	A Two-Plasmid Bacterial Selection System for Characterization and Engineering of Homing Endonucleases. Methods in Molecular Biology, 2014, 1123, 87-96.	0.9	5
171	A Novel Emergency Braking Method with Payload Swing Suppression for Overhead Crane Systems. Lecture Notes in Computer Science, 2016, , 242-249.	1.3	5
172	Observer-Based Adaptive Fuzzy Event-Triggered Control for Mechatronic Systems With Inaccurate Signal Transmission and Motion Constraints. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5208-5221.	5.8	5
173	A time-optimal trajectory planning strategy for double pendulum cranes with swing suppression. , 2016, , .		4
174	A novel nonlinear backstepping-based control approach for quadrotor unmanned aerial vehicle transportation systems. , 2017, , .		4
175	A tower crane tracking control method with swing suppression. , 2017, , .		4
176	An Antiswing Positioning Controller for Rotary Cranes. , 2017, , .		4
177	Differential Flatness-Based Robust Control of Self-balanced Robots. IFAC-PapersOnLine, 2018, 51, 949-954.	0.9	4
178	Trajectory planning-based control of underactuated wheeled inverted pendulum robots. Science China Information Sciences, 2019, 62, 1.	4.3	4
179	Applications of human-induced pluripotent stem cells in the investigation of inherited cardiomyopathy. International Journal of Cardiology, 2014, 177, 604-606.	1.7	3
180	Energy-based control of double pendulum cranes. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
181	Dynamic modeling and control of inverted pendulum robots moving on undulating pavements. , 2017, , .		3
182	A Simple Control Method of Single-Link Flexible Manipulators. , 2019, , .		3
183	Dynamic Modeling and Analysis for Dual Pneumatic Artificial Muscle Actuated Manipulators. , 2019, , .		3
184	A Robust Control Approach for Double-Pendulum Overhead Cranes With Unknown Disturbances. , 2019, , .		3
185	Design and Modeling of Bionic Robot Arm Actuated by Pneumatic Artificial Muscles. , 2019, , .		3
186	Unmanned Quadrotor Transportation Systems with Payload Hoisting/Lowering: Dynamics Modeling and Controller Design. , 2020, , .		3
187	Equivalent Rope Length-Based Trajectory Planning for Double Pendulum Bridge Cranes with Distributed Mass Payloads. Actuators, 2022, 11, 25.	2.3	3
188	Modeling and verification for a four-rope crane. , 2015, , .		2
189	Adaptive trajectory tracking control for a four-rope crane. , 2015, , .		2
190	Dynamics Modeling and Analysis for Cooperative Dual Rotary Crane Systems. , 2018, , .		2
191	Hysteresis Compensation and Tracking Control of Pneumatic Artificial Muscle. , 2019, , .		2
192	Multi-objective Trajectory Planning with State Constraints for 5-DOF Underactuated Tower Crane Systems. Lecture Notes in Electrical Engineering, 2022, , 710-728.	0.4	2
193	A Practical Visual Positioning Method for Industrial Overhead Crane Systems. Lecture Notes in Computer Science, 2017, , 16-25.	1.3	2
194	A novel optimal trajectory planning method for overhead cranes with analytical expressions. , 2014, , .		1
195	A new triple-stage stabilizing control method for two-wheeled inverted pendulum robots. , 2016, , .		1
196	Nonlinear control of various underactuated systems: Theoretical design and industrial applications. , 2017, , .		1
197	Point-to-point motion control for flexible crane systems working in the deep sea. Measurement and Control, 2020, 53, 1041-1048.	1.8	1
198	A Simple Antiswing Input Shaper for Dual Boom Cranes. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
199	An Effective Neuro-adaptive Control Approach for Underwater Flexible Cranes With Uncertainties. , 2021, , .		1
200	X-Shaped Structure-Based Modeling and Control for a Stable Platform with a Series Elastic Actuator. Machines, 2022, 10, 430.	2.2	1
201	A new sliding-mode like nonlinear controller for overhead cranes with smooth control inputs. , 2016, , .		0
202	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
203	Modeling and compensation of the hysteretic nonlinearity of piezoelectric actuators. , 2017, , .		0
204	Disturbance rejection control for overhead cranes. , 2017, , .		0
205	Payload Lifting Control of Underactuated Boom Cranes Using Sliding Mode Theory. , 2018, , .		0
206	A Flexible Rope Crane Control Method. , 2018, , .		0
207	Adaptive Neural Network Control of Quadrotor Unmanned Aerial Vehicle Transportation Systems. , 2021, , .		0
208	Error Constrained Hybrid Force/Position Control of a Grinding Robot. , 2021, , .		0
209	Dynamics Analysis of Underactuated Cherrypicker Systems with Friction. Lecture Notes in Computer Science, 2017, , 345-354.	1.3	0
210	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
211	Disturbance Compensation-Based Nonlinear Control for Pneumatic Artificial Muscle Systems With Hardware Experiments. Journal of Physics: Conference Series, 2022, 2213, 012033.	0.4	0
212	Amplitude-Limited Optimal Control for Robot Manipulators Actuated by Pneumatic Artificial Muscles. , 2022, , .		0