

Jianjun

List of Publications by Year in descending order

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62
papers

1,410
citations

331670

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docs citations

63
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Game Method for On-Orbit Substructure Transportation Using Modular Robots. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1161-1175.	4.7	5
2	Data-driven game-based control of microsattellites for attitude takeover of target spacecraft with disturbance. ISA Transactions, 2022, 119, 93-105.	5.7	11
3	Grasping force optimization for dual-arm space robot after capturing target based on task compatibility. Advances in Space Research, 2022, 70, 1496-1511.	2.6	5
4	Energy-Efficient Resource Allocation in Cognitive Wireless-Powered Hybrid Active-Passive Communications. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	1.2	1
5	Dynamic Manipulability Analysis of Multi-Arm Space Robot. Robotica, 2021, 39, 23-41.	1.9	9
6	Finite-time velocity-free prescribed performance control for Halo orbit autonomous rendezvous. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 205-218.	1.3	1
7	An overview of prescribed performance control and its application to spacecraft attitude system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 435-447.	1.0	26
8	Robust coordinated control for on-orbit substructure transportation under distributed information. Nonlinear Dynamics, 2021, 104, 2331-2346.	5.2	0
9	Optimal detumbling trajectory generation and coordinated control after space manipulator capturing tumbling targets. Aerospace Science and Technology, 2021, 112, 106626.	4.8	12
10	Optimal grasping pose for dual-arm space robot cooperative manipulation based on global manipulability. Acta Astronautica, 2021, 183, 300-309.	3.2	14
11	Finite-time fuzzy game-based attitude control for on-orbit cooperative transporting. Journal of the Franklin Institute, 2021, 358, 5237-5261.	3.4	2
12	Reactionless Control of Free-Floating Space Manipulators. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1490-1503.	4.7	29
13	Robust prescribed performance control for Euler-Lagrange systems with practically finite-time stability. European Journal of Control, 2020, 52, 1-10.	2.6	38
14	Tube-based robust output feedback model predictive control for autonomous rendezvous and docking with a tumbling target. Advances in Space Research, 2020, 65, 1158-1181.	2.6	25
15	Generate optimal grasping trajectories to the end-effector using an improved genetic algorithm. Advances in Space Research, 2020, 66, 1803-1817.	2.6	13
16	Robust event-triggered game-based attitude control for on-orbit assembly. Aerospace Science and Technology, 2020, 103, 105894.	4.8	23
17	Optimal Concurrent Control for Space Manipulators Rendezvous and Capturing Targets Under Actuator Saturation. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4841-4855.	4.7	19
18	Online feedback motion planning for spacecraft obstacle avoidance using positively invariant sets. Advances in Space Research, 2020, 65, 2424-2434.	2.6	8

#	ARTICLE	IF	CITATIONS
19	Event-driven adaptive fault-tolerant tracking control for uncertain mechanical systems with application to flexible spacecraft. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1735-1752.	2.6	11
20	Kinematic and dynamic manipulability analysis for free-floating space robots with closed chain constraints. <i>Robotics and Autonomous Systems</i> , 2020, 130, 103548.	5.1	20
21	ESO-based saturated deployment control of tethered satellite system with finite-time tracking performance guarantees. <i>IFAC-PapersOnLine</i> , 2020, 53, 5689-5694.	0.9	1
22	Predictive pursuit-evasion game control method for approaching space non-cooperative target. <i>IFAC-PapersOnLine</i> , 2020, 53, 14882-14887.	0.9	0
23	Manipulability Optimization for Coordinated Motion Control of Multi-arm Space Robots. <i>IFAC-PapersOnLine</i> , 2020, 53, 9853-9858.	0.9	2
24	Multitask-Based Trajectory Planning for Redundant Space Robotics Using Improved Genetic Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2226.	2.5	17
25	Appointed-time prescribed performance attitude tracking control via double performance functions. <i>Aerospace Science and Technology</i> , 2019, 93, 105337.	4.8	85
26	Parameters concurrent learning and reactionless control in post-capture of unknown targets by space manipulators. <i>Nonlinear Dynamics</i> , 2019, 96, 443-457.	5.2	24
27	Observability criterion of angles-only navigation for spacecraft proximity operations. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 4302-4315.	1.3	9
28	Parameterized nonlinear suboptimal control for tracking and rendezvous with a non-cooperative target. <i>Aerospace Science and Technology</i> , 2019, 87, 15-24.	4.8	13
29	Dynamic coupling analysis of multi-arm space robot. <i>Acta Astronautica</i> , 2019, 160, 583-593.	3.2	19
30	Quasi fixed-time fault-tolerant control for nonlinear mechanical systems with enhanced performance. <i>Applied Mathematics and Computation</i> , 2019, 352, 157-173.	2.2	28
31	Active vibration control of underactuated free-floating spacecraft via a performance enhanced way. <i>Acta Astronautica</i> , 2019, 157, 477-488.	3.2	11
32	Constrained Compliant Control for Space Robot Postcapturing Uncertain Target. <i>Journal of Aerospace Engineering</i> , 2019, 32, .	1.4	9
33	Integrated identification and control for nanosatellites reclaiming failed satellite. <i>Acta Astronautica</i> , 2018, 146, 387-398.	3.2	18
34	Detumbling strategy and coordination control of kinematically redundant space robot after capturing a tumbling target. <i>Nonlinear Dynamics</i> , 2018, 92, 1023-1043.	5.2	55
35	An integrated control scheme for space robot after capturing non-cooperative target. <i>Acta Astronautica</i> , 2018, 147, 350-363.	3.2	32
36	On novel adaptive saturated deployment control of tethered satellite system with guaranteed output tracking prescribed performance. <i>Aerospace Science and Technology</i> , 2018, 75, 58-73.	4.8	23

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37	Optimal trajectory planning of free-floating space manipulator using differential evolution algorithm. <i>Advances in Space Research</i> , 2018, 61, 1525-1536.	2.6	89
38	Robust inertia-free attitude takeover control of postcapture combined spacecraft with guaranteed prescribed performance. <i>ISA Transactions</i> , 2018, 74, 28-44.	5.7	55
39	Coordinated trajectory planning of dual-arm space robot using constrained particle swarm optimization. <i>Acta Astronautica</i> , 2018, 146, 259-272.	3.2	78
40	Learning-based adaptive prescribed performance control of postcapture space robot-target combination without inertia identifications. <i>Acta Astronautica</i> , 2018, 146, 228-242.	3.2	44
41	Adaptive model-free constrained control of postcapture flexible spacecraft: a Euler-Lagrange approach. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4885-4903.	2.6	34
42	Robust estimation-free decentralized prescribed performance control of nonaffine nonlinear large-scale systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 174-196.	3.7	30
43	A fast trajectory planning framework with task-priority for space robot. <i>Acta Astronautica</i> , 2018, 152, 823-835.	3.2	17
44	Dynamics modeling and attitude control of spacecraft flexible solar array considering the structure of the hinge rolling. <i>Acta Astronautica</i> , 2018, 153, 60-70.	3.2	13
45	Leader-following consensus of second-order multi-agent systems with arbitrarily appointed prescribed performance. <i>IET Control Theory and Applications</i> , 2018, 12, 2276-2286.	2.1	61
46	Spacecraft Attitude Analytical Predictive Control Based On Sequential Action Control. , 2018, , .		1
47	Event-triggered neuroadaptive control for postcapture spacecraft with ultralow-frequency actuator updates. <i>Neurocomputing</i> , 2018, 315, 310-321.	5.9	19
48	Robust entry guidance using linear covariance-based model predictive control. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141668750.	2.1	9
49	Globally robust explicit model predictive control of constrained systems exploiting SVM-based approximation. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 3000-3027.	3.7	18
50	A novel nonlinear control for tracking and rendezvous with a rotating non-cooperative target with translational maneuver. <i>Acta Astronautica</i> , 2017, 138, 276-289.	3.2	15
51	Efficient adaptive constrained control with time-varying predefined performance for a hypersonic flight vehicle. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141668750.	2.1	13
52	Detumbling control for kinematically redundant space manipulator post-grasping a rotational satellite. <i>Acta Astronautica</i> , 2017, 141, 98-109.	3.2	25
53	Consensus of satellite cluster flight using an energy-matching optimal control method. <i>Advances in Space Research</i> , 2017, 60, 2047-2059.	2.6	10
54	Low-complexity differentiator-based decentralized fault-tolerant control of uncertain large-scale nonlinear systems with unknown dead zone. <i>Nonlinear Dynamics</i> , 2017, 89, 2573-2592.	5.2	39

#	ARTICLE	IF	CITATIONS
55	Low-complexity stabilization control of combined spacecraft with an unknown captured object. , 2017, , .		3
56	Compensation control of the direct drive wave energy generator for stable energy output. , 2016, , .		0
57	Angles-only relative navigation and closed-loop guidance for spacecraft proximity operations. Acta Astronautica, 2016, 128, 91-106.	3.2	19
58	Novel Synthesis Method for Minimizing Attitude Disturbance of the Free-Floating Space Robots. Journal of Guidance, Control, and Dynamics, 2016, 39, 695-704.	2.8	20
59	A non-linear model predictive controller with obstacle avoidance for a space robot. Advances in Space Research, 2016, 57, 1737-1746.	2.6	64
60	Cluster flight algorithms for distributed satellite based on cyclic pursuit. , 2015, , .		0
61	Trajectory planning of free-floating space robot using Particle Swarm Optimization (PSO). Acta Astronautica, 2015, 112, 77-88.	3.2	115
62	R-bar guidance strategy design for the final translation of space rendezvous and docking. , 2013, , .		1