

Qinglei Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139
papers

3,946
citations

41
h-index

57
g-index

190
ext. papers

5,257
ext. citations

4
avg. IF

6.61
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 139 | Adaptive fault-tolerant control for attitude reorientation under complex attitude constraints. <i>Aerospace Science and Technology</i> , 2022 , 121, 107332 | 4.9 | 2 |
| 138 | Three-Dimensional Approach Angle Guidance Under Varying Velocity and Field-of-View Limit Without Using Line-of-Sight Rate. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-12 | 7.3 | 3 |
| 137 | Sliding-mode-based attitude tracking control of spacecraft under reaction wheel uncertainties. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 1-13 | 7 | 0 |
| 136 | Semantic Joint Monocular Remote Sensing Image Digital Surface Model Reconstruction Based on Feature Multiplexing and Inpainting. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 60, 1-15 | 8.1 | |
| 135 | Coordinate-free Circumnavigation of a Moving Target via a PD-like Controller. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1 | 3.7 | 0 |
| 134 | Neural network-based fault diagnosis for spacecraft with single-gimbal control moment gyros. <i>Chinese Journal of Aeronautics</i> , 2021 , | 3.7 | 2 |
| 133 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1 | 3.7 | 0 |
| 132 | Relative Stereovision-Based Navigation for Noncooperative Spacecraft via Feature Extraction. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-11 | 5.5 | 1 |
| 131 | ADP-Based Spacecraft Attitude Control under Actuator Misalignment and Pointing Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1 | 8.9 | 1 |
| 130 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 57, 1301-1316 | 3.7 | 2 |
| 129 | Nonlinear optimal attitude control of spacecraft using novel state-dependent coefficient parameterizations. <i>Aerospace Science and Technology</i> , 2021 , 112, 106586 | 4.9 | 3 |
| 128 | Analytical Solution for Nonlinear Three-Dimensional Guidance With Impact Angle and Field-of-View Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3423-3433 | 8.9 | 12 |
| 127 | Adaptive Pose Control for Spacecraft Proximity Operations With Prescribed Performance Under Spatial Motion Constraints. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 1405-1419 | 4.8 | 21 |
| 126 | Event-Based Formation Coordinated Control for Multiple Spacecraft Under Communication Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3168-3179 | 7.3 | 16 |
| 125 | Closed-Loop Based Control Allocation for Spacecraft Attitude Stabilization with Actuator Faults 2021 , 185-217 | | 1 |
| 124 | Incremental Twisting Fault Tolerant Control for Hypersonic Vehicles With Partial Model Knowledge. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1 | 11.9 | 4 |
| 123 | Mathematical Model of the Attitude Control System 2021 , 23-31 | | |

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| 122 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 1-1 | 3.7 | 5 |
| 121 | Data-Driven Immersion and Invariance Adaptive Attitude Control for Rigid Bodies With Double-Level State Constraints. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-16 | 4.8 | 5 |
| 120 | Null-Space Based Optimal Control Allocation for Spacecraft Attitude Stabilization 2021 , 33-53 | | |
| 119 | Event-Driven Connectivity-Preserving Coordinated Control for Multiple Spacecraft Systems With a Distance-Dependent Dynamic Graph. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP, | 10.2 | 2 |
| 118 | Field-of-view limited guidance with impact angle constraint and feasibility analysis. <i>Aerospace Science and Technology</i> , 2021 , 114, 106753 | 4.9 | 6 |
| 117 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021 , 57, 2183-2200 | 3.7 | 5 |
| 116 | Velocity-Free Saturated Control for Spacecraft Proximity Operations With Guaranteed Safety. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13 | 7.3 | 1 |
| 115 | Adaptive Fixed-Time Attitude Tracking Control of Spacecraft With Uncertainty-Rejection Capability. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-14 | 7.3 | 4 |
| 114 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 1430-1443 | 3.7 | 15 |
| 113 | Composite Adaptive Attitude-Tracking Control With Parameter Convergence Under Finite Excitation. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 2657-2664 | 4.8 | 5 |
| 112 | Event-based coordinated control of spacecraft formation flying under limited communication. <i>Nonlinear Dynamics</i> , 2020 , 99, 2139-2159 | 5 | 14 |
| 111 | Analytical solution of field-of-view limited guidance with constrained impact and capturability analysis. <i>Aerospace Science and Technology</i> , 2020 , 97, 105586 | 4.9 | 13 |
| 110 | Constrained single-axis path planning of underactuated spacecraft. <i>Aerospace Science and Technology</i> , 2020 , 107, 106345 | 4.9 | 3 |
| 109 | . <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 574-582 | 4.8 | 74 |
| 108 | Three-Dimensional Guidance for Various Target Motions With Terminal Angle Constraints Using Twisting Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 1242-1253 | 8.9 | 24 |
| 107 | Event-Triggered Adaptive Attitude Tracking Control for Spacecraft With Unknown Actuator Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2241-2250 | 8.9 | 64 |
| 106 | Adaptive Neural Network Control for a Class of Nonlinear Systems With Unknown Control Direction. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4708-4718 | 7.3 | 8 |
| 105 | Event-Triggered Adaptive Control for a Class of Nonlinear Systems With Unknown Control Direction and Sensor Faults. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 763-770 | 5.9 | 38 |

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| 104 | Adaptive Pose Tracking Control for Spacecraft Proximity Operations Under Motion Constraints. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 2258-2271 | 2.1 | 10 |
| 103 | Reduced Attitude Control for Boresight Alignment With Dynamic Pointing Constraints. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2942-2952 | 5.5 | 9 |
| 102 | Observer-based fault tolerant control and experimental verification for rigid spacecraft. <i>Aerospace Science and Technology</i> , 2019 , 92, 373-386 | 4.9 | 17 |
| 101 | Control of non-cooperative spacecraft in final phase proximity operations under input constraints. <i>Control Engineering Practice</i> , 2019 , 87, 83-96 | 3.9 | 8 |
| 100 | Adaptive fault-tolerant attitude tracking control for spacecraft with time-varying inertia uncertainties. <i>Chinese Journal of Aeronautics</i> , 2019 , 32, 674-687 | 3.7 | 23 |
| 99 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 562-577 | 3.7 | 19 |
| 98 | Sliding-Mode Impact Time Guidance Law Design for Various Target Motions. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 136-148 | 2.1 | 47 |
| 97 | Adaptive Control for Autonomous Spacecraft Rendezvous with Approaching Path Constraint 2019 , | | 1 |
| 96 | Research and Experiment on Dynamic Weight Pseudo-Inverse Control Allocation for Spacecraft Attitude Control System 2019 , | | 3 |
| 95 | Concurrent Proximity Control of Servicing Spacecraft With an Uncontrolled Target. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2815-2826 | 5.5 | 10 |
| 94 | Distributed Attitude Coordination Control for Multiple Flexible Spacecraft with Communication Delays 2019 , | | 1 |
| 93 | Partial Lyapunov Strictification: Dual-Quaternion-Based Observer for 6-DOF Tracking Control. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2453-2469 | 4.8 | 9 |
| 92 | Finite-time disturbance observer based integral sliding mode control for attitude stabilisation under actuator failure. <i>IET Control Theory and Applications</i> , 2019 , 13, 50-58 | 2.5 | 31 |
| 91 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019 , 55, 1989-2000 | 3.7 | 19 |
| 90 | Anti-Unwinding Attitude Control of Spacecraft with Forbidden Pointing Constraints. <i>Journal of Guidance, Control, and Dynamics</i> , 2019 , 42, 822-835 | 2.1 | 22 |
| 89 | Continuous finite-time extended state observer based fault tolerant control for attitude stabilization. <i>Aerospace Science and Technology</i> , 2019 , 84, 204-213 | 4.9 | 89 |
| 88 | Dynamic path planning and trajectory tracking using MPC for satellite with collision avoidance. <i>ISA Transactions</i> , 2019 , 84, 128-141 | 5.5 | 13 |
| 87 | Adaptive control with prescribed tracking performance for hypersonic flight vehicles in the presence of unknown elevator faults. <i>International Journal of Control</i> , 2019 , 92, 1682-1691 | 1.5 | 7 |

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| 86 | Observer-Based Output Feedback Attitude Stabilization for Spacecraft With Finite-Time Convergence. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 781-789 | 4.8 | 40 |
| 85 | New Impact Time and Angle Guidance Strategy via Virtual Target Approach. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 1755-1765 | 2.1 | 43 |
| 84 | Adaptive fault-tolerant attitude control for satellite reorientation under input saturation. <i>Aerospace Science and Technology</i> , 2018 , 78, 171-182 | 4.9 | 48 |
| 83 | Adaptive Fault-Tolerant Attitude Tracking Control of Spacecraft With Prescribed Performance. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 331-341 | 5.5 | 144 |
| 82 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018 , 54, 1082-1092 | 3.7 | 65 |
| 81 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018 , 54, 1442-1455 | 3.7 | 35 |
| 80 | Nussbaum-type functionBased attitude control of spacecraft with actuator saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 2927-2949 | 3.6 | 29 |
| 79 | Spacecraft attitude fault-tolerant control based on iterative learning observer and control allocation. <i>Aerospace Science and Technology</i> , 2018 , 75, 245-253 | 4.9 | 55 |
| 78 | Velocity-free attitude coordinated tracking control for spacecraft formation flying. <i>ISA Transactions</i> , 2018 , 73, 54-65 | 5.5 | 24 |
| 77 | Dual-Quaternion-Based Spacecraft Autonomous Rendezvous and Docking Under Six-Degree-of-Freedom Motion Constraints. <i>Journal of Guidance, Control, and Dynamics</i> , 2018 , 41, 1150-1162 | 4.1 | 37 |
| 76 | Adaptive backstepping control for air-breathing hypersonic vehicles with input nonlinearities. <i>Aerospace Science and Technology</i> , 2018 , 73, 289-299 | 4.9 | 41 |
| 75 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018 , 54, 2-17 | 3.7 | 73 |
| 74 | Reduced Attitude Control in the Presence of Pointing Constraint 2018 , | | 2 |
| 73 | Anti-unwinding attitude control of rigid spacecraft with angular velocity constraint 2018 , | | 1 |
| 72 | Finite-Time Attitude Tracking Control of Spacecraft with Actuator Saturation. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018 , 23, 650-656 | 0.6 | 1 |
| 71 | Trajectory optimization for accompanying satellite obstacle avoidance. <i>Aerospace Science and Technology</i> , 2018 , 82-83, 220-233 | 4.9 | 9 |
| 70 | Unified attitude control for spacecraft under velocity and control constraints. <i>Aerospace Science and Technology</i> , 2017 , 67, 257-264 | 4.9 | 23 |
| 69 | Adaptive Fault-tolerant Attitude Control for Spacecraft Under Loss of Actuator Effectiveness 2017 , 645-666 | | 1 |

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| 68 | Adaptive backstepping control for air-breathing hypersonic vehicle with actuator dynamics. <i>Aerospace Science and Technology</i> , 2017 , 67, 412-421 | 4.9 | 54 |
| 67 | Output-feedback adaptive consensus tracking control for a class of high-order nonlinear multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 4931-4948 | 3.6 | 16 |
| 66 | Safety Control for Spacecraft Autonomous Rendezvous and Docking Under Motion Constraints. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 1680-1692 | 2.1 | 44 |
| 65 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017 , 53, 2572-2582 | 3.7 | 85 |
| 64 | Adaptive spacecraft attitude tracking control with guaranteed transient performance 2017 , | | 1 |
| 63 | Integral sliding mode-based attitude coordinated tracking for spacecraft formation with communication delays. <i>International Journal of Systems Science</i> , 2017 , 48, 3254-3266 | 2.3 | 13 |
| 62 | Attitude output feedback control for rigid spacecraft with finite-time convergence. <i>ISA Transactions</i> , 2017 , 70, 173-186 | 5.5 | 8 |
| 61 | Finite-Time Fault-Tolerant Spacecraft Attitude Control with Torque Saturation. <i>Journal of Guidance, Control, and Dynamics</i> , 2017 , 40, 2524-2537 | 2.1 | 38 |
| 60 | Dual-Quaternion-Based Fault-Tolerant Control for Spacecraft Tracking With Finite-Time Convergence. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1231-1242 | 4.8 | 32 |
| 59 | performance control of robot manipulators with kinematics, dynamics and actuator uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 875-893 | 3.6 | 5 |
| 58 | Attitude stabilization control for rigid spacecraft with actuator misalignment and saturation 2017 , | | 1 |
| 57 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 1576-1586 | 3.7 | 79 |
| 56 | Smooth finite-time fault-tolerant attitude tracking control for rigid spacecraft. <i>Aerospace Science and Technology</i> , 2016 , 55, 144-157 | 4.9 | 58 |
| 55 | Fixed-Time Attitude Control for Rigid Spacecraft With Actuator Saturation and Faults. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1892-1898 | 4.8 | 235 |
| 54 | Dual-quaternion based fault-tolerant control for spacecraft formation flying with finite-time convergence. <i>ISA Transactions</i> , 2016 , 61, 87-94 | 5.5 | 42 |
| 53 | Extended State Observer based robust attitude control of spacecraft with input saturation. <i>Aerospace Science and Technology</i> , 2016 , 50, 173-182 | 4.9 | 62 |
| 52 | Robust finite-time observer design for rigid spacecraft with reaction wheel friction 2016 , | | 1 |
| 51 | Adaptive backstepping control of uncertain nonlinear systems with input backlash 2016 , | | 1 |

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| 50 | Bounded Finite-Time Coordinated Attitude Control via Output Feedback for Spacecraft Formation. <i>Journal of Aerospace Engineering</i> , 2015 , 28, 04014129 | 1.4 | 9 |
| 49 | Spacecraft Anti-Unwinding Attitude Control with Actuator Nonlinearities and Velocity Limit. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 2042-2050 | 2.1 | 41 |
| 48 | Finite-Time Attitude Tracking of Spacecraft With Fault-Tolerant Capability. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1338-1350 | 4.8 | 84 |
| 47 | Tracking control of uncertain Euler-Lagrange systems with finite-time convergence. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 3299-3315 | 3.6 | 26 |
| 46 | Relative position finite-time coordinated tracking control of spacecraft formation without velocity measurements. <i>ISA Transactions</i> , 2015 , 54, 60-74 | 5.5 | 62 |
| 45 | Velocity-free fault-tolerant control allocation for flexible spacecraft with redundant thrusters. <i>International Journal of Systems Science</i> , 2015 , 46, 976-992 | 2.3 | 25 |
| 44 | Null-space-based optimal control reallocation for spacecraft stabilization under input saturation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015 , 29, 705-724 | 2.8 | 11 |
| 43 | Finite-time attitude tracking control for spacecraft with uncertain actuator configuration. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015 , 229, 2457-2468 | 0.9 | 7 |
| 42 | Finite-Time Coordinated Attitude Control for Spacecraft Formation Flying Under Input Saturation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137, | 1.6 | 35 |
| 41 | Observer-Based Attitude Control for Satellite Under Actuator Fault. <i>Journal of Guidance, Control, and Dynamics</i> , 2015 , 38, 806-811 | 2.1 | 19 |
| 40 | Tracking control of spacecraft formation flying with collision avoidance. <i>Aerospace Science and Technology</i> , 2015 , 42, 353-364 | 4.9 | 78 |
| 39 | Robust Saturated Finite Time Output Feedback Attitude Stabilization for Rigid Spacecraft. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 1914-1929 | 2.1 | 71 |
| 38 | Nonlinear Proportional-Derivative Control Incorporating Closed-Loop Control Allocation for Spacecraft. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 799-812 | 2.1 | 35 |
| 37 | Fault-Tolerant Tracking Control of Spacecraft with Attitude-Only Measurement Under Actuator Failures. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 838-849 | 2.1 | 93 |
| 36 | Dynamic control allocation for spacecraft attitude stabilization with actuator uncertainty. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014 , 228, 1336-1347 | 0.9 | 5 |
| 35 | Finite-time fault tolerant attitude stabilization control for rigid spacecraft. <i>ISA Transactions</i> , 2014 , 53, 241-50 | 5.5 | 48 |
| 34 | Observer based inverse optimal attitude stabilization control of spacecraft with uncertainties 2014 , | | 1 |
| 33 | Reaction Wheel Fault Compensation and Disturbance Rejection for Spacecraft Attitude Tracking. <i>Journal of Guidance, Control, and Dynamics</i> , 2013 , 36, 1565-1575 | 2.1 | 58 |

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| 32 | Decentralized Finite Time Attitude Synchronization Control of Satellite Formation Flying. <i>Journal of Guidance, Control, and Dynamics</i> , 2013 , 36, 185-195 | 2.1 | 87 |
| 31 | Spacecraft attitude tracking control under actuator magnitude deviation and misalignment. <i>Aerospace Science and Technology</i> , 2013 , 28, 266-280 | 4.9 | 30 |
| 30 | Active fault-tolerant attitude control for flexible spacecraft with loss of actuator effectiveness. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013 , 27, 925-943 | 2.8 | 36 |
| 29 | Robust finite-time control allocation in spacecraft attitude stabilization under actuator misalignment. <i>Nonlinear Dynamics</i> , 2013 , 73, 53-71 | 5 | 56 |
| 28 | Attitude Stabilization of Spacecrafts Under Actuator Saturation and Partial Loss of Control Effectiveness. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 2251-2263 | 4.8 | 88 |
| 27 | Robust attitude control design for spacecraft under assigned velocity and control constraints. <i>ISA Transactions</i> , 2013 , 52, 480-93 | 5.5 | 66 |
| 26 | Reaction wheel fault tolerant control for spacecraft attitude stabilization with finite-time convergence. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 1737-1752 | 3.6 | 49 |
| 25 | Adaptive fault tolerant control using integral sliding mode strategy with application to flexible spacecraft. <i>International Journal of Systems Science</i> , 2013 , 44, 2273-2286 | 2.3 | 52 |
| 24 | Output-feedback stabilisation control for a class of under-actuated mechanical systems. <i>IET Control Theory and Applications</i> , 2013 , 7, 985-996 | 2.5 | 19 |
| 23 | Finite-time fault tolerant attitude control for over-activated spacecraft subject to actuator misalignment and faults. <i>IET Control Theory and Applications</i> , 2013 , 7, 2007-2020 | 2.5 | 21 |
| 22 | Attitude Tracking Control of Rigid Spacecraft With Actuator Misalignment and Fault. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 2360-2366 | 4.8 | 54 |
| 21 | Observer-Based Fault Diagnosis Incorporating Online Control Allocation for Spacecraft Attitude Stabilization under Actuator Failures. <i>Journal of the Astronautical Sciences</i> , 2013 , 60, 211-236 | 1.1 | 7 |
| 20 | Delay Depending Decentralized Adaptive Attitude Synchronization Tracking Control of Spacecraft Formation. <i>Chinese Journal of Aeronautics</i> , 2012 , 25, 406-415 | 3.7 | 20 |
| 19 | L 2 disturbance attenuation control for input saturated spacecraft attitude stabilization without angular velocity measurements. <i>International Journal of Control, Automation and Systems</i> , 2012 , 10, 71-77 | 7.9 | 1 |
| 18 | 6 DOF synchronized control for spacecraft formation flying with input constraint and parameter uncertainties. <i>ISA Transactions</i> , 2011 , 50, 573-80 | 5.5 | 65 |
| 17 | Fault-tolerant sliding mode attitude control for flexible spacecraft under loss of actuator effectiveness. <i>Nonlinear Dynamics</i> , 2011 , 64, 13-23 | 5 | 69 |
| 16 | Adaptive Integral-type Sliding Mode Control for Spacecraft Attitude Maneuvering Under Actuator Stuck Failures. <i>Chinese Journal of Aeronautics</i> , 2011 , 24, 32-45 | 3.7 | 52 |
| 15 | Robust Fault Tolerant Control for Spacecraft Attitude Stabilization Under Actuator Faults and Bounded Disturbance. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133, | 1.6 | 13 |

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| 14 | Robust Adaptive Attitude Tracking Control With L2-Gain Performance and Vibration Reduction of an Orbiting Flexible Spacecraft. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133, | 1.6 | 9 |
| 13 | Robust fault tolerant attitude stabilization control for flexible spacecraft under partial loss of actuator effectiveness 2010 , | | 5 |
| 12 | Neural network-based adaptive attitude tracking control for flexible spacecraft with unknown high-frequency gain. <i>International Journal of Adaptive Control and Signal Processing</i> , 2009 , 24, 477-489 | 2.8 | 8 |
| 11 | Variable structure maneuvering control with time-varying sliding surface and active vibration damping of flexible spacecraft with input saturation. <i>Acta Astronautica</i> , 2009 , 64, 1085-1108 | 2.9 | 45 |
| 10 | Robust adaptive sliding mode attitude maneuvering and vibration damping of three-axis-stabilized flexible spacecraft with actuator saturation limits. <i>Nonlinear Dynamics</i> , 2009 , 55, 301-321 | 5 | 100 |
| 9 | Robust adaptive backstepping attitude and vibration control with L2-gain performance for flexible spacecraft under angular velocity constraint. <i>Journal of Sound and Vibration</i> , 2009 , 327, 285-298 | 3.9 | 44 |
| 8 | Sliding mode maneuvering control and active vibration damping of three-axis stabilized flexible spacecraft with actuator dynamics. <i>Nonlinear Dynamics</i> , 2008 , 52, 227-248 | 5 | 52 |
| 7 | Robust track-following control of hard disk drives using improved integral sliding mode combined with phase lead peak filter. <i>International Journal of Adaptive Control and Signal Processing</i> , 2008 , 22, 413-430 | 2.8 | 9 |
| 6 | Manoeuvring and vibration reduction of a flexible spacecraft integrating optimal sliding mode controller and distributed piezoelectric sensors/actuators. <i>International Journal of Adaptive Control and Signal Processing</i> , 2007 , 21, 452-476 | 2.8 | 5 |
| 5 | Robust integral variable structure controller and pulse-width pulse-frequency modulated input shaper design for flexible spacecraft with mismatched uncertainty/disturbance. <i>ISA Transactions</i> , 2007 , 46, 505-18 | 5.5 | 26 |
| 4 | Variable structure attitude manoeuvre control and active vibration damping of three-axis-stabilized flexible spacecraft. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2007 , 221, 601-615 | 1 | 1 |
| 3 | Active vibration control of a flexible plate structure using LMI-based H/sub /spl infin// output feedback control law | | 1 |
| 2 | Sensor-Based Robust Incremental Three-Dimensional Guidance Law with Terminal Angle Constraint. <i>Journal of Guidance, Control, and Dynamics</i> ,1-15 | 2.1 | 4 |
| 1 | Fault-Tolerant Reduced-Attitude Control for Spacecraft Constrained Boresight Reorientation. <i>Journal of Guidance, Control, and Dynamics</i> ,1-15 | 2.1 | 0 |