

Youdan Kim

List of Publications by Year in descending order

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247
papers

5,835
citations

117453

34
h-index

102304

66
g-index

250
all docs

250
docs citations

250
times ranked

3766
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Survey of Fault Detection, Isolation, and Reconfiguration Methods. IEEE Transactions on Control Systems Technology, 2010, 18, 636-653. | 3.2 | 1,093 |
| 2 | Nonlinear Adaptive Flight Control Using Backstepping and Neural Networks Controller. Journal of Guidance, Control, and Dynamics, 2001, 24, 675-682. | 1.6 | 224 |
| 3 | Design of Missile Guidance Law via Variable Structure Control. Journal of Guidance, Control, and Dynamics, 2001, 24, 659-664. | 1.6 | 170 |
| 4 | Robust backstepping control for slew maneuver using nonlinear tracking function. IEEE Transactions on Control Systems Technology, 2003, 11, 822-829. | 3.2 | 154 |
| 5 | Modified Pure Proportional Navigation Guidance Law for Impact Time Control. Journal of Guidance, Control, and Dynamics, 2016, 39, 852-872. | 1.6 | 141 |
| 6 | Lyapunov-based impact time control guidance laws against stationary targets. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1111-1122. | 2.6 | 124 |
| 7 | Reconfigurable Flight Control System Design Using Adaptive Neural Networks. IEEE Transactions on Control Systems Technology, 2004, 12, 87-100. | 3.2 | 122 |
| 8 | Reconfigurable Flight Control System Design Using Direct Adaptive Method. Journal of Guidance, Control, and Dynamics, 2003, 26, 543-550. | 1.6 | 109 |
| 9 | Collision Avoidance Strategies for Unmanned Aerial Vehicles in Formation Flight. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2718-2734. | 2.6 | 106 |
| 10 | Composite Model Reference Adaptive Control with Parameter Convergence Under Finite Excitation. IEEE Transactions on Automatic Control, 2018, 63, 811-818. | 3.6 | 97 |
| 11 | Fully Autonomous Vision-Based Net-Recovery Landing System for a Fixed-Wing UAV. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1320-1333. | 3.7 | 88 |
| 12 | Adaptive controller design for spacecraft formation flying using sliding mode controller and neural networks. Journal of the Franklin Institute, 2012, 349, 578-603. | 1.9 | 82 |
| 13 | Time-Domain Finite Element Method for Inverse Problem of Aircraft Maneuvers. Journal of Guidance, Control, and Dynamics, 1997, 20, 97-103. | 1.6 | 74 |
| 14 | Eigenstructure Assignment Algorithm for Mechanical Second-Order Systems. Journal of Guidance, Control, and Dynamics, 1999, 22, 729-731. | 1.6 | 71 |
| 15 | Fault detection and diagnosis of aircraft actuators using fuzzy-tuning IMM filter. IEEE Transactions on Aerospace and Electronic Systems, 2008, 44, 940-952. | 2.6 | 68 |
| 16 | Adaptive Image-Based Visual Servoing for an Underactuated Quadrotor System. Journal of Guidance, Control, and Dynamics, 2012, 35, 1335-1353. | 1.6 | 67 |
| 17 | Measure of controllability for actuator placement. Journal of Guidance, Control, and Dynamics, 1991, 14, 895-902. | 1.6 | 66 |
| 18 | Fault-tolerant control scheme for satellite attitude control system. IET Control Theory and Applications, 2010, 4, 1436-1450. | 1.2 | 62 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design of Reconfigurable Flight Control System Using Adaptive Sliding Mode Control: Actuator Fault. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2005, 219, 321-328. | 0.7 | 60 |
| 20 | Autonomous Flight of the Rotorcraft-Based UAV Using RISE Feedback and NN Feedforward Terms. IEEE Transactions on Control Systems Technology, 2012, 20, 1392-1399. | 3.2 | 59 |
| 21 | Three-Dimensional Nonlinear Differential Geometric Path-Following Guidance Law. Journal of Guidance, Control, and Dynamics, 2015, 38, 2366-2385. | 1.6 | 58 |
| 22 | Fault tolerant flight control system for the tilt-rotor UAV. Journal of the Franklin Institute, 2013, 350, 2535-2559. | 1.9 | 55 |
| 23 | Consensus-based reconfigurable controller design for unmanned aerial vehicle formation flight. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2012, 226, 817-829. | 0.7 | 54 |
| 24 | Guidance Laws for Anti-Ship Missiles Using Impact Angle and Impact Time. , 2006, , . | | 51 |
| 25 | Design of an effective controller via disturbance accommodating left eigenstructure assignment. Journal of Guidance, Control, and Dynamics, 1995, 18, 347-354. | 1.6 | 50 |
| 26 | UAV guidance using a monocular-vision sensor for aerial target tracking. Control Engineering Practice, 2014, 22, 10-19. | 3.2 | 49 |
| 27 | Spin-Axis Stabilization of a Rigid Spacecraft Using Two Reaction Wheels. Journal of Guidance, Control, and Dynamics, 2001, 24, 1046-1049. | 1.6 | 46 |
| 28 | Optimum design of three-dimensional behavioural decentralized controller for UAV formation flight. Engineering Optimization, 2009, 41, 199-224. | 1.5 | 43 |
| 29 | Market-Based Task Assignment for Cooperative Timing Missions in Dynamic Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 87, 97-123. | 2.0 | 43 |
| 30 | Robust Variable Structure Controller Design for Fault Tolerant Flight Control. Journal of Guidance, Control, and Dynamics, 2000, 23, 430-437. | 1.6 | 42 |
| 31 | Model predictive flight control using adaptive support vector regression. Neurocomputing, 2010, 73, 1031-1037. | 3.5 | 41 |
| 32 | Optimal design of composite lifting surface for flutter suppression with piezoelectric actuators. AIAA Journal, 1995, 33, 1897-1904. | 1.5 | 38 |
| 33 | Cascade-type guidance law design for multiple-UAV formation keeping. Aerospace Science and Technology, 2011, 15, 431-439. | 2.5 | 38 |
| 34 | Nonlinear discrete-time reconfigurable flight control law using neural networks. IEEE Transactions on Control Systems Technology, 2006, 14, 408-422. | 3.2 | 36 |
| 35 | Reactive Collision Avoidance of Unmanned Aerial Vehicles Using a Single Vision Sensor. Journal of Guidance, Control, and Dynamics, 2013, 36, 1234-1240. | 1.6 | 36 |
| 36 | Sliding Mode Guidance and Control for UAV Carrier Landing. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 951-966. | 2.6 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Collision avoidance for quadrotor using stereo vision depth maps. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3226-3241. | 2.6 | 33 |
| 38 | Fault detection and identification of aircraft control surface using adaptive observer and input bias estimator. IET Control Theory and Applications, 2012, 6, 1367-1387. | 1.2 | 32 |
| 39 | Optimality of augmented ideal proportional navigation for maneuvering target interception. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 948-954. | 2.6 | 32 |
| 40 | Optimal sizing and placement of piezo-actuators for active flutter suppression. Smart Materials and Structures, 1996, 5, 216-224. | 1.8 | 31 |
| 41 | Formation Flight of Multiple UAVs via Onboard Sensor Information Sharing. Sensors, 2015, 15, 17397-17419. | 2.1 | 30 |
| 42 | Impact-Time-Control Guidance Strategy with a Composite Structure Considering the Seeker's Field-of-View Constraint. Journal of Guidance, Control, and Dynamics, 2020, 43, 1566-1574. | 1.6 | 29 |
| 43 | Experimental evaluation of fault diagnosis in a skew-configured UAV sensor system. Control Engineering Practice, 2011, 19, 158-173. | 3.2 | 28 |
| 44 | Circular Motion Guidance Law for Coordinated Standoff Tracking of a Moving Target. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2440-2462. | 2.6 | 28 |
| 45 | Multiple UAVs Nonlinear Guidance Laws for Stationary Target Observation with Waypoint Incidence Angle Constraint. International Journal of Aeronautical and Space Sciences, 2013, 14, 67-74. | 1.0 | 28 |
| 46 | Trajectory Optimization for a Multi-Stage Launch Vehicle Using Time Finite Element and Direct Collocation Methods. Engineering Optimization, 2002, 34, 15-32. | 1.5 | 27 |
| 47 | PSO-based Optimal Task Allocation for Cooperative Timing Missions. IFAC-PapersOnLine, 2016, 49, 314-319. | 0.5 | 27 |
| 48 | Reinforcement Learning-Based Optimal Flat Spin Recovery for Unmanned Aerial Vehicle. Journal of Guidance, Control, and Dynamics, 2017, 40, 1076-1084. | 1.6 | 27 |
| 49 | Design of generalized conceptual guidance law using aim angle. Control Engineering Practice, 2004, 12, 291-298. | 3.2 | 25 |
| 50 | Landing Site Searching and Selection Algorithm Development Using Vision System and its Application to Quadrotor. IEEE Transactions on Control Systems Technology, 2015, 23, 488-503. | 3.2 | 25 |
| 51 | Capturability of Impact-Angle Control Composite Guidance Law Considering Field-of-View Limit. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1077-1093. | 2.6 | 25 |
| 52 | Constrained Adaptive Backstepping Controller Design for Aircraft Landing in Wind Disturbance and Actuator Stuck. International Journal of Aeronautical and Space Sciences, 2012, 13, 74-89. | 1.0 | 25 |
| 53 | Practical guidance law controlling impact angle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2007, 221, 29-36. | 0.7 | 23 |
| 54 | Adaptive support vector regression for UAV flight control. Neural Networks, 2011, 24, 109-120. | 3.3 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Trajectory optimization for unmanned aerial vehicle formation reconfiguration. <i>Engineering Optimization</i> , 2014, 46, 84-106. | 1.5 | 23 |
| 56 | Optimal Wing Planform Design for Aeroelastic Control. <i>AIAA Journal</i> , 2000, 38, 1465-1470. | 1.5 | 22 |
| 57 | Area Allocation Algorithm for Multiple UAVs Area Coverage Based on Clustering and Graph Method. <i>IFAC-PapersOnLine</i> , 2015, 48, 204-209. | 0.5 | 21 |
| 58 | Unmanned aerial vehicle swarm control using potential functions and sliding mode control. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2008, 222, 721-730. | 0.7 | 20 |
| 59 | Lyapunov-Based Pursuit Guidance Law with Impact Angle Constraint. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 2509-2514. | 0.4 | 20 |
| 60 | A grip force model for the da Vinci end-effector to predict a compensation force. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 253-261. | 1.6 | 20 |
| 61 | Capturability of Guidance Laws for Interception of Nonmaneuvering Target with Field-of-View Limit. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 869-884. | 1.6 | 20 |
| 62 | Point Targeting of Multisatellites via a Virtual Structure Formation Flight Scheme. <i>Journal of Guidance, Control, and Dynamics</i> , 2009, 32, 1330-1344. | 1.6 | 18 |
| 63 | Sliding-Mode-Based Missile-Integrated Attitude Control Schemes Considering Velocity Change. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 423-436. | 1.6 | 18 |
| 64 | Multiobjective Optimization for Aircraft Arrival Sequencing and Scheduling. <i>Journal of Air Transportation</i> , 2017, 25, 115-122. | 1.0 | 18 |
| 65 | Three dimensional optimum controller for multiple UAV formation flight using behavior-based decentralized approach. , 2007, , . | | 17 |
| 66 | Nonlinear Conflict Resolution and Flow Management Using Particle Swarm Optimization. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 3378-3387. | 4.7 | 17 |
| 67 | Two-Stage Stochastic Programming Based on Particle Swarm Optimization for Aircraft Sequencing and Scheduling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 1365-1377. | 4.7 | 17 |
| 68 | Eigenvector derivatives for mechanical second-order systems. <i>Journal of Guidance, Control, and Dynamics</i> , 1995, 18, 899-906. | 1.6 | 16 |
| 69 | Aeroelastic Control of Smart Composite Plate with Delaminations. <i>Journal of Intelligent Material Systems and Structures</i> , 2000, 11, 868-876. | 1.4 | 16 |
| 70 | Pursuit Guidance Law and Adaptive Backstepping Controller Design for Vision-Based Net-Recovery UAV. , 2008, , . | | 16 |
| 71 | Conflict Management Considering a Smooth Transition of Aircraft Into Adjacent Airspace. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 2490-2501. | 4.7 | 16 |
| 72 | Market-Based Distributed Task Assignment of Multiple Unmanned Aerial Vehicles for Cooperative Timing Mission. <i>Journal of Aircraft</i> , 2017, 54, 2298-2310. | 1.7 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Task Allocation of Multiple UAVs for Cooperative Parcel Delivery. , 2018, , 443-454. | | 16 |
| 74 | Dynamic Robust Sequencing and Scheduling Under Uncertainty for the Point Merge System in Terminal Airspace. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2933-2943. | 4.7 | 16 |
| 75 | Improvement of Shipboard Landing Performance of Fixed-wing UAV Using Model Predictive Control. International Journal of Control, Automation and Systems, 2018, 16, 2697-2708. | 1.6 | 16 |
| 76 | Fault tolerant flight control system design using a multiple model adaptive controller. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2009, 223, 39-50. | 0.7 | 15 |
| 77 | Simultaneous Structural/Control Optimum Design of Composite Plate with Piezoelectric Actuators. Journal of Guidance, Control, and Dynamics, 1997, 20, 1111-1117. | 1.6 | 14 |
| 78 | Pneumatic-type surgical robot end-effector for laparoscopic surgical-operation-by-wire. BioMedical Engineering OnLine, 2014, 13, 130. | 1.3 | 14 |
| 79 | Midcourse Guidance for Exoatmospheric Interception Using Response Surface Based Trajectory Shaping. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3655-3673. | 2.6 | 14 |
| 80 | Reduced-Order Aeroservoelastic Model with an Unsteady Aerodynamic Eigen Formulation. AIAA Journal, 1997, 35, 1087-1088. | 1.5 | 13 |
| 81 | A study of the dimethyl ether spray characteristics and ignition delay. International Journal of Engine Research, 2007, 8, 337-346. | 1.4 | 13 |
| 82 | 3D Shape Mapping of Obstacle Using Stereo Vision Sensor on Quadrotor UAV. , 2014, , . | | 13 |
| 83 | Optimal and Practical Aircraft Sequencing and Scheduling for Point Merge System. IFAC-PapersOnLine, 2017, 50, 14644-14649. | 0.5 | 12 |
| 84 | Formation flying along unstable Libration Point Orbits using switching Hamiltonian structure-preserving control. Acta Astronautica, 2019, 158, 1-11. | 1.7 | 12 |
| 85 | Lyapunov Control Law for Slew Maneuver Using Time Finite Element Analysis. Journal of Guidance, Control, and Dynamics, 2001, 24, 87-94. | 1.6 | 11 |
| 86 | Optimum Flight Path Design Passing Through Waypoints for Autonomous Flight Control System. , 2003, , . | | 11 |
| 87 | Failure diagnosis of skew-configured aircraft inertial sensors using wavelet decomposition. IET Control Theory and Applications, 2007, 1, 1390-1397. | 1.2 | 11 |
| 88 | Frequency and Time Domain Online Parameter Estimation for Reconfigurable Flight Control Systems. , 2009, , . | | 11 |
| 89 | Adaptive sliding mode control using slack variables for affine underactuated systems. , 2012, , . | | 11 |
| 90 | Slack Variables Generation via QR Decomposition for Adaptive Nonlinear Control of Affine Underactuated Systems. IFAC-PapersOnLine, 2016, 49, 188-193. | 0.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Integrated Design of Rotary UAV Guidance and Control Systems Utilizing Sliding Mode Control Technique. International Journal of Aeronautical and Space Sciences, 2012, 13, 90-98. | 1.0 | 11 |
| 92 | Spiral Landing Trajectory and Pursuit Guidance Law Design for Vision-Based Net-Recovery UAV. , 2009, , . | | 10 |
| 93 | Vision-based Reactive Collision Avoidance Algorithm for Unmanned Aerial Vehicle. , 2011, , . | | 10 |
| 94 | Three-dimensional Impact Angle Control Guidance Law for Missiles Using Dual Sliding Surfaces. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 137-142. | 0.4 | 10 |
| 95 | Wind Compensation Framework for Unpowered Aircraft Using Online Waypoint Correction. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 698-710. | 2.6 | 10 |
| 96 | Formation Flight and Collision Avoidance for Multiple UAVs using Concept of Elastic Weighting Factor. International Journal of Aeronautical and Space Sciences, 2013, 14, 75-84. | 1.0 | 10 |
| 97 | Optimum Design of an SAR Satellite Constellation Considering the Revisit Time Using a Genetic Algorithm. International Journal of Aeronautical and Space Sciences, 2017, 18, 334-343. | 1.0 | 10 |
| 98 | Torque Shaping Using Trigonometric Series Expansion for Slewing of Flexible Structures. Journal of Guidance, Control, and Dynamics, 1998, 21, 698-703. | 1.6 | 9 |
| 99 | Hybrid Fault Detection and Isolation Techniques for Aircraft Inertial Measurement Sensors. , 2004, , . | | 9 |
| 100 | Fuel efficient three dimensional controller for leader-follower UAV formation flight. , 2007, , . | | 9 |
| 101 | Differential Geometry based Collision Avoidance Guidance for Multiple UAVs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 113-118. | 0.4 | 9 |
| 102 | A Study on the Development of a Robot-Assisted Automatic Laser Hair Removal System. Photomedicine and Laser Surgery, 2014, 32, 633-641. | 2.1 | 9 |
| 103 | Computational Discrimination of Breast Cancer for Korean Women Based on Epidemiologic Data Only. Journal of Korean Medical Science, 2015, 30, 1025. | 1.1 | 9 |
| 104 | Conflict Management in Air Traffic Control Using Complexity Map. Journal of Aircraft, 2015, 52, 1524-1534. | 1.7 | 9 |
| 105 | Design of an adaptive missile autopilot considering the boost phase using the SDRE method and neural networks. Journal of the Franklin Institute, 2018, 355, 9085-9107. | 1.9 | 9 |
| 106 | Three-Dimensional Path Planning for Aerial Refueling Between One Tanker and Multiple UAVs. International Journal of Aeronautical and Space Sciences, 2018, 19, 1027-1040. | 1.0 | 9 |
| 107 | Neural network-based nonlinear dynamic inversion control of variable-span morphing aircraft. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1624-1637. | 0.7 | 9 |
| 108 | Optimal Output Trajectory Shaping Using BÄ©zier Curves. Journal of Guidance, Control, and Dynamics, 2021, 44, 1027-1035. | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Partial eigenstructure assignment algorithm in flight control system design. IEEE Transactions on Aerospace and Electronic Systems, 1999, 35, 1403-1409. | 2.6 | 8 |
| 110 | Damage Detection and Vibration Control of a Delaminated Smart Composite Plate. Advanced Composites Letters, 2000, 9, 096369350000900. | 1.3 | 8 |
| 111 | Asymptotic attitude tracking of the rotorcraft-based UAV via RISE feedback and NN feedforward. , 2010, , . | | 8 |
| 112 | Spiral landing guidance law design for unmanned aerial vehicle net-recovery. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2010, 224, 1081-1096. | 0.7 | 8 |
| 113 | Tool to visualize and evaluate operator proficiency in laser hair-removal treatments. BioMedical Engineering OnLine, 2014, 13, 40. | 1.3 | 8 |
| 114 | Deep Neural Network-Based Feedback Control for Dynamic Soaring of Unpowered Aircraft. IFAC-PapersOnLine, 2019, 52, 117-121. | 0.5 | 8 |
| 115 | Path Planning Algorithm for an Autonomous Electric Wheelchair in Hospitals. IEEE Access, 2020, 8, 208199-208213. | 2.6 | 8 |
| 116 | Lyapunov-Based Three-Dimensional Terminal Angle Constrained Guidance Laws. , 2015, , 39-52. | | 8 |
| 117 | Experimental Evaluation of the Torque-Shaping Method for Slew Maneuver of Flexible Space Structures. Journal of Guidance, Control, and Dynamics, 1998, 21, 817-822. | 1.6 | 7 |
| 118 | Fuel-Efficient Formation Flight-Control Design Based on Energy Maneuverability. Journal of Guidance, Control, and Dynamics, 2008, 31, 1145-1150. | 1.6 | 7 |
| 119 | Obstacle Detection and Collision Avoidance of Quadrotor UAV Using Depth Map of Stereo Vision. , 2013, , . | | 7 |
| 120 | Analysis of Missile Longitudinal Autopilot Based on the State-Dependent Riccati Equation Method. Journal of Guidance, Control, and Dynamics, 2019, 42, 2183-2196. | 1.6 | 7 |
| 121 | Generalized Formulation of Linear Nonquadratic Weighted Optimal Error Shaping Guidance Laws. Journal of Guidance, Control, and Dynamics, 2020, 43, 1143-1153. | 1.6 | 7 |
| 122 | Field-of-view-constrained impact angle control guidance with error convergence before interception considering speed changes. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 238-256. | 0.7 | 7 |
| 123 | Impact Angle Control Guidance of Glide-Capable Munition Using a Vector Field Approach. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1069-1083. | 2.6 | 7 |
| 124 | Time Domain Finite Element Analysis of Dynamic Systems. AIAA Journal, 1998, 36, 1312-1319. | 1.5 | 6 |
| 125 | Adaptive Sliding Mode Control for Non-Affine Nonlinear Vehicle Systems. , 2007, , . | | 6 |
| 126 | Nonlinear estimation for spacecraft attitude using decentralized unscented information filter. , 2010, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Adaptive feedback linearization for an uncertain nonlinear system using support vector regression. , 2010, , . | | 6 |
| 128 | Landing Site Searching Algorithm of a Quadrotor Using Depth Map of Stereo Vision on Unknown Terrain. , 2012, , . | | 6 |
| 129 | Revisiting the general periodic relative motion in elliptic reference orbits. Acta Astronautica, 2013, 85, 100-112. | 1.7 | 6 |
| 130 | Robust control allocation with adaptive backstepping flight control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 1033-1046. | 0.7 | 6 |
| 131 | Comparison of Efficacy Between Novel Robot-Assisted Laser Hair Removal and Physician-Directed Hair Removal. Photomedicine and Laser Surgery, 2015, 33, 509-516. | 2.1 | 6 |
| 132 | Horizontal-vertical guidance of Quadrotor for obstacle shape mapping. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 3024-3035. | 2.6 | 6 |
| 133 | Coevolutionary Approaches to Structural Optimization. AIAA Journal, 1999, 37, 1019-1021. | 1.5 | 5 |
| 134 | ADAPTIVE RECONFIGURABLE FLIGHT CONTROL SYSTEM USING MULTIPLE MODEL MODE SWITCHING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 115-120. | 0.4 | 5 |
| 135 | Flight path optimization passing through waypoints for autonomous flight control systems. Engineering Optimization, 2005, 37, 755-774. | 1.5 | 5 |
| 136 | Market-Based Decentralized Task Assignment for Cooperative UAV Mission Including Rendezvous. , 2013, , . | | 5 |
| 137 | A Reactive Collision Avoidance Algorithm for Multiple Midair Unmanned Aerial Vehicles. Transactions of the Japan Society for Aeronautical and Space Sciences, 2013, 56, 15-24. | 0.4 | 5 |
| 138 | Sliding mode based attitude and acceleration controller for a velocity-varying skid-to-turn missile. , 2014, , . | | 5 |
| 139 | Three-Dimensional Nonlinear Path-Following Guidance Law Based on Differential Geometry. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2503-2508. | 0.4 | 5 |
| 140 | Modeling and Attitude Control of Tri-Tilt Ducted Fan Vehicle. , 2016, , . | | 5 |
| 141 | Flight envelope protection of aircraft using adaptive neural network and online linearisation. International Journal of Systems Science, 2016, 47, 868-885. | 3.7 | 5 |
| 142 | Reliability and Validity of Attitude and Heading Reference System Motion Estimation in a Novel Mirror Therapy System. Journal of Medical and Biological Engineering, 2018, 38, 370-377. | 1.0 | 5 |
| 143 | Hamiltonian Structure-Based Robust Station-Keeping for Unstable Libration Point Orbits. Journal of Guidance, Control, and Dynamics, 2019, 42, 1912-1929. | 1.6 | 5 |
| 144 | Optimal scheduling algorithm in point merge system including holding pattern based on mixed-integer linear programming. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1638-1647. | 0.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Robust-Backstepping Missile Autopilot Design Considering Time-Varying Parameters and Uncertainty. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4269-4287. | 2.6 | 5 |
| 146 | MODELLING OF VIBRATING SYSTEMS USING TIME-DOMAIN FINITE ELEMENT METHOD. Journal of Sound and Vibration, 2002, 254, 503-521. | 2.1 | 4 |
| 147 | Optimized behavioural UAV formation flight controller design. , 2009, , . | | 4 |
| 148 | Decentralized phase angle control for standoff tracking using multiple unmanned aircraft. , 2010, , . | | 4 |
| 149 | Satellite Attitude Determination and Estimation using Two Star Trackers. , 2010, , . | | 4 |
| 150 | Optimal input design for online parameter estimation for aircraft with multiple control surfaces. Engineering Optimization, 2011, 43, 559-580. | 1.5 | 4 |
| 151 | Error Dynamics-Based Lyapunov Guidance Law for Stationary Target Observation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2042-2047. | 0.4 | 4 |
| 152 | Application of Complexity Assessment for Conflict Resolution in Air Traffic Management Systems. , 2013, , . | | 4 |
| 153 | Application of Complexity Map to Reduce Air Traffic Complexity in a Sector. , 2014, , . | | 4 |
| 154 | Missile Autopilot Design During Boost Phase Using Robust Backstepping Approach. , 2015, , . | | 4 |
| 155 | Market-Based Task Assignment for Cooperative Timing Missions over Networks with Limited Connectivity. , 2015, , . | | 4 |
| 156 | Design of nonlinear observer for strap-down missile guidance law via sliding mode differentiator and extended state observer. , 2016, , . | | 4 |
| 157 | On-Line Monitoring of Environment-Assisted Cracking in Nuclear Piping Using Array Probe Direct Current Potential Drop. Journal of Nondestructive Evaluation, 2016, 35, 1. | 1.1 | 4 |
| 158 | A Pilot Study on the Evaluation of Physicians' Laser Delivery Performance Using a Laser Beam Detection Kit. Photomedicine and Laser Surgery, 2017, 35, 317-323. | 2.1 | 4 |
| 159 | Development of a Novel Automated Hair Counting System for the Quantitative Evaluation of Laser Hair Removal. Photomedicine and Laser Surgery, 2017, 35, 116-121. | 2.1 | 4 |
| 160 | Generalization of Linearly Parametrized Trajectory Shaping Guidance Laws. IFAC-PapersOnLine, 2017, 50, 8285-8290. | 0.5 | 4 |
| 161 | Reference Shaping for Impact Angle and Time Control under Field-of-View Limit. IFAC-PapersOnLine, 2017, 50, 15191-15196. | 0.5 | 4 |
| 162 | Adaptive Fault Tolerant Flight Control for Input Redundant Systems Using a Nonlinear Reference Model. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3337-3356. | 2.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Near-Minimum-Time Control of Smart Structures for Slew Maneuver. Journal of the Astronautical Sciences, 1997, 45, 91-111. | 0.8 | 4 |
| 164 | Longitudinal Modal Analysis of a LOX-filled Tank Using the Virtual Mass Method. International Journal of Aeronautical and Space Sciences, 2017, 18, 807-815. | 1.0 | 4 |
| 165 | Optimal wing design for flutter suppression with PZT actuators including power requirement. , 1996, , . | | 3 |
| 166 | Simultaneous optimization of structural/control design utilizing eigenstructure assignment scheme. , 1996, , . | | 3 |
| 167 | Optimized feedforward design scheme unifying regulator and command generator tracker. Journal of Guidance, Control, and Dynamics, 1996, 19, 899-904. | 1.6 | 3 |
| 168 | Adaptive Structural Control Experiment Using Recursive System Identification. Journal of Intelligent Material Systems and Structures, 2004, 15, 745-751. | 1.4 | 3 |
| 169 | Optimum design of neural networks for a nonlinear flight control system. Engineering Optimization, 2004, 36, 1-17. | 1.5 | 3 |
| 170 | Adaptive inverse control using support vector regression. , 2009, , . | | 3 |
| 171 | Lyapunov Control Law for Automatic Approach for Unmanned Helicopter Landing. Transactions of the Japan Society for Aeronautical and Space Sciences, 2011, 53, 283-290. | 0.4 | 3 |
| 172 | Guidance Law for Standoff Tracking of a Moving Target with Leader-Follower Unmanned Aerial Vehicles. , 2012, , . | | 3 |
| 173 | A Sliding Mode Control with Optimized Sliding Surface for Aircraft Pitch Axis Control System. Transactions of the Japan Society for Aeronautical and Space Sciences, 2012, 55, 94-98. | 0.4 | 3 |
| 174 | Lyapunov-Based Three-Dimensional Nonlinear Path-Following Guidance Law. , 2015, , . | | 3 |
| 175 | Adaptive SDRE Based Boost-Phase Missile Autopilot Design Using Single and Modular Neural Networks. IFAC-PapersOnLine, 2015, 48, 108-113. | 0.5 | 3 |
| 176 | Improvement in Laser-Irradiation Efficiency of Robot-Assisted Laser Hair Removal Through Pose Measurement of Skin Surface. Photomedicine and Laser Surgery, 2016, 34, 42-49. | 2.1 | 3 |
| 177 | Load relief control of launch vehicle using aerodynamic angle estimation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1598-1605. | 0.7 | 3 |
| 178 | Sliding Mode Control Design for a Multidimensional Morphing UAV. , 2018, , . | | 3 |
| 179 | Simple and accurate method of diamagnetic flux measurement in Versatile Experimental Spherical Torus (VEST). Review of Scientific Instruments, 2018, 89, 103508. | 0.6 | 3 |
| 180 | Distributed persistent coverage control and performance evaluation of multi-agent system. Aeronautical Journal, 2019, 123, 1701-1723. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Schwarz Inequality Method for Weighted Minimum Effort Terminal Control of Multidimensional Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1893-1903. | 1.6 | 3 |
| 182 | Vector-Field-Based Guidance for Exoatmospheric Target Interception. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 4353-4366. | 2.6 | 3 |
| 183 | Performance Verification of a Target Tracking System With a Laser Rangefinder. <i>IEEE Access</i> , 2021, 9, 30993-31009. | 2.6 | 3 |
| 184 | Data-Driven Capturability Analysis for Pure Proportional Navigation Guidance Considering Target Maneuver. <i>International Journal of Aeronautical and Space Sciences</i> , 2021, 22, 1209-1221. | 1.0 | 3 |
| 185 | Slew Maneuver of Flexible Space Structures Using Time Finite Element Analysis. <i>AIAA Journal</i> , 1998, 36, 1938-1940. | 1.5 | 2 |
| 186 | NONLINEAR RECONFIGURABLE FLIGHT CONTROL SYSTEM USING MULTIPLE MODEL ADAPTIVE CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007, 40, 171-176. | 0.4 | 2 |
| 187 | Wireless stereo vision system development for rotary-wing UAV guidance and control. , 2008, , . | | 2 |
| 188 | Error Dynamics-Based Guidance Law of UAVs for Target Observation under Wind Disturbance. , 2012, , . | | 2 |
| 189 | Market-Based Distributed Task Assignment for Rendezvous Mission over Networks with Limited Connectivity. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 888-893. | 0.4 | 2 |
| 190 | Structural Modeling Reflected Nonlinearity for Longitudinal Dynamic Instability (POGO) Analysis of Liquid Propellant Launch Vehicles in Preliminary Design Phase. , 2015, , . | | 2 |
| 191 | Basis integral concurrent learning model reference adaptive control. , 2016, , . | | 2 |
| 192 | Adaptive Backstepping Autopilot Design for Missiles of Fast Time-varying Velocity. <i>IFAC-PapersOnLine</i> , 2016, 49, 474-479. | 0.5 | 2 |
| 193 | Integrated one-dimensional dynamic analysis methodology for space launch vehicles reflecting liquid components. <i>Aeronautical Journal</i> , 2017, 121, 1217-1238. | 1.1 | 2 |
| 194 | Analytic Solution of Continuous-Time Algebraic Riccati Equation for Two-Dimensional Systems and Its Application to Wing-Rock Regulation. , 2018, , . | | 2 |
| 195 | Vector Field Based Guidance Law for Intercepting Maneuvering Target. , 2018, , . | | 2 |
| 196 | Impact Time Control Guidance with Finite-Time Convergence Based on Pure Proportional Navigation. , 2019, , . | | 2 |
| 197 | Active Sampling-based Data-driven Reachability Verification for Proportional Navigation Guidance Law. <i>IFAC-PapersOnLine</i> , 2019, 52, 1-6. | 0.5 | 2 |
| 198 | Adaptive Critics Design with Support Vector Machine for Spacecraft Finite-Horizon Optimal Control. <i>Journal of Aerospace Engineering</i> , 2019, 32, 04018111. | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Design of Fault Tolerant Control System for Engine Failure of Single-engined Aircraft. , 2019, , . | | 2 |
| 200 | Field-of-View Constrained Impact Angle Control Guidance Guaranteeing Error Convergence before Interception. , 2019, , . | | 2 |
| 201 | Manufacturing and Control of a Robotic Device for Time-averaged Simulated Micro and Partial Gravity of a Cell Culture Environment. International Journal of Control, Automation and Systems, 2020, 18, 53-64. | 1.6 | 2 |
| 202 | Neural-Network-Based Path Replanning for Gliding Vehicles Considering Terminal Velocity. IEEE Access, 2021, 9, 78701-78714. | 2.6 | 2 |
| 203 | Spacecraft Formation Reconfiguration using Impulsive Control Input. International Journal of Aeronautical and Space Sciences, 2013, 14, 183-192. | 1.0 | 2 |
| 204 | Actor-Critic-Based Optimal Adaptive Control Design for Morphing Aircraft. IFAC-PapersOnLine, 2020, 53, 14863-14868. | 0.5 | 2 |
| 205 | Low-Power Peaking-Free Extended-Observer-Based Pitch Autopilot for Morphing Unmanned Aerial Vehicle. Journal of Guidance, Control, and Dynamics, 2022, 45, 362-371. | 1.6 | 2 |
| 206 | Altitude Tracking of UAV with Pitch-Hold Constraint Based on Model Predictive Control for Mine Detection. , 2021, , . | | 2 |
| 207 | Generalized Analysis of Biased Proportional Navigation Guidance with Fractional Power Error Feedback. Journal of Guidance, Control, and Dynamics, 2022, 45, 1598-1613. | 1.6 | 2 |
| 208 | Variable Structure Control with Optimized Sliding Surface for Aircraft Control System. , 2004, , . | | 1 |
| 209 | Reconfigurable Flight Control System Design Using Input-Output Information. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2005, 219, 277-285. | 0.7 | 1 |
| 210 | Spacecraft Formation Flying Control Using Sliding Mode and Neural Networks Controller. , 2009, , . | | 1 |
| 211 | Cooperative Tracking of a Moving Target using Integrated Vector Field and Decentralized Extended Information Filter. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6319-6324. | 0.4 | 1 |
| 212 | Turning Direction Determination using Error Dynamics-Based Guidance Law for Stationary Target Observation. Transactions of the Japan Society for Aeronautical and Space Sciences, 2014, 57, 61-68. | 0.4 | 1 |
| 213 | Real-Time Guidance of Quadrotor for Obstacle Mapping Using Vision System. , 2015, , . | | 1 |
| 214 | Maneuverable Capsule Endoscope Based on Gimbaled Ducted-Fan System: Concept and Simulation Results. Journal of Medical and Biological Engineering, 2016, 36, 132-143. | 1.0 | 1 |
| 215 | Mismatch-Observer Based Model Reference Adaptive Control for Transient Performance Improvement of Aircraft. , 2017, , . | | 1 |
| 216 | Cooperative Reactive Persistent Surveillance Algorithm Using Multiple UAVs Considering Incident Arrivals. IFAC-PapersOnLine, 2017, 50, 2347-2352. | 0.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Response surface modeling-based analysis on launch vehicle capability. <i>Advances in Space Research</i> , 2018, 62, 3281-3297. | 1.2 | 1 |
| 218 | Cooperative Defense Strategy for Active Aircraft Protection Considering Launch Time of Defense Missile. , 2018, , . | | 1 |
| 219 | Missile Guidance Based on Tracking of Predicted Target Trajectory. , 2018, , . | | 1 |
| 220 | Pressure mode analysis of nonuniform cross-sectional pipes and preliminary evaluation of a pogo suppressor. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 4447-4456. | 0.7 | 1 |
| 221 | Policy Gradient-based Integral Reinforcement Learning for Optimal Control Design of Nonaffine Morphing Aircraft Systems. , 2020, , . | | 1 |
| 222 | Information Fusion for Cooperative Indoor Positioning Using BÃ©zier Curves. <i>IEEE Sensors Journal</i> , 2022, 22, 5063-5074. | 2.4 | 1 |
| 223 | Design framework for optimizing waypoints of vehicle trajectory considering terminal velocity and impact angle constraints. <i>Engineering Optimization</i> , 2022, 54, 1341-1355. | 1.5 | 1 |
| 224 | Slew maneuver of flexible space structures using time finite element analysis. <i>AIAA Journal</i> , 1998, 36, 1938-1940. | 1.5 | 1 |
| 225 | Reinforcement Learning-Assisted Composite Adaptive Control for Time-Varying Parameters. <i>IFAC-PapersOnLine</i> , 2020, 53, 9515-9520. | 0.5 | 1 |
| 226 | Optimal Policy of Pitch-Hold Phase for Mine Detection of UAV Based on Mixed-Integer Linear Programming. <i>International Journal of Aeronautical and Space Sciences</i> , 2022, 23, 746-754. | 1.0 | 1 |
| 227 | Flight dynamics of aerial vehicle considering time-varying ambient wind. <i>Aerospace Science and Technology</i> , 2022, 126, 107601. | 2.5 | 1 |
| 228 | A design methodology using concurrent eigenstructure assignment. , 0, , . | | 0 |
| 229 | Reconfigurable Flight Control System Design Using Discrete Model Reference Adaptive Control. , 2005, , . | | 0 |
| 230 | FAULT TOLERANT FLIGHT CONTROL SYSTEM BASED ON FUZZY-TUNING IMM FILTER. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007, 40, 675-680. | 0.4 | 0 |
| 231 | Experimental Evaluation of Model-Free Hybrid Fault Detection and Isolation. , 2007, , . | | 0 |
| 232 | Design of optimal controllers for spacecraft formation flying based on the decentralized approach. , 2008, , . | | 0 |
| 233 | Non-affine Waypoint Guidance Law using Distance Information. , 2011, , . | | 0 |
| 234 | Spacecraft Formation Reconfiguration in Elliptic Reference Orbits. , 2013, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Formation Pattern Analysis of Follower Spacecraft for Elliptic Reference Orbits. Journal of the Astronautical Sciences, 2013, 60, 167-185. | 0.8 | 0 |
| 236 | Adaptive Sliding Mode Autopilot Design for Skid-To-Turn Missile Model with Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 330-335. | 0.4 | 0 |
| 237 | Fault Diagnosis of Skew-Configured Inertial Sensor System for Unmanned Aerial Vehicles. , 2015, , 1183-1212. | | 0 |
| 238 | Real-time collision avoidance control of quadrotor using ellipsoid as a bounding box. , 2016, , . | | 0 |
| 239 | Trajectory optimization for a missile with strap-down seeker against hypersonic target. , 2016, , . | | 0 |
| 240 | Passivity-based Nonlinear Attitude Control Design for Fin-Controlled Missiles. , 2018, , . | | 0 |
| 241 | Intercept Point Prediction for Midcourse Guidance of Anti-Ballistic Missile. , 2018, , . | | 0 |
| 242 | Quadratic Optimization of Initial State for Dynamic Controller in Linear Systems. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1361-1370. | 2.6 | 0 |
| 243 | Operational Analysis of Ion Thruster for Geostationary Satellite Considering Eclipse. Journal of the Astronautical Sciences, 2003, 51, 37-50. | 0.8 | 0 |
| 244 | Time domain finite element analysis of dynamic systems. AIAA Journal, 1998, 36, 1312-1319. | 1.5 | 0 |
| 245 | Real-time Aircraft Upset Detection and Prevention Based On Extended Kalman Filter. Journal of the Korean Society for Aeronautical & Space Sciences, 2017, 45, 724-733. | 0.0 | 0 |
| 246 | Exoatmospheric DACS Type Missile Controller Based on Sliding Mode Control Considering the Seeker's Field-of-View Limit. , 2018, , 631-649. | | 0 |
| 247 | Capture Region of Tactical Missile Equipped With Semi-Active Laser Seeker Using Tobit Kalman Filter. IEEE Access, 2022, 10, 11714-11729. | 2.6 | 0 |