Antonios Tsourdos

List of Publications by Year
in descending order

512 papers	6,765 citations	66315 42 h-index	133188 59 g-index
531 all docs	531 docs citations	531 times ranked	4228 citing authors

#	Article	IF	Citations
1	QoE-Aware Efficient Content Distribution Scheme For Satellite-Terrestrial Networks. IEEE Transactions on Mobile Computing, 2023, 22, 443-458.	3.9	74
2	Development of a thermal excitation source used in an active thermographic UAV platform. Quantitative InfraRed Thermography Journal, 2023, 20, 198-229.	2.1	13
3	Deep Learning-Based Trajectory Planning and Control for Autonomous Ground Vehicle Parking Maneuver. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1633-1647.	3.4	29
4	Incremental Twisting Fault Tolerant Control for Hypersonic Vehicles With Partial Model Knowledge. IEEE Transactions on Industrial Informatics, 2022, 18, 1050-1060.	7.2	18
5	Dual-Loop Tube-Based Robust Model Predictive Attitude Tracking Control for Spacecraft With System Constraints and Additive Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 4022-4033.	5.2	66
6	The consensus of non-linear agents under switching topology using dynamic inversion in the presence of communication noise and delay. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 352-367.	0.7	9
7	Design and Implementation of Deep Neural Network-Based Control for Automatic Parking Maneuver Process. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1400-1413.	7.2	80
8	Capturability of 3D RTPN guidance law against true-arbitrarily maneuvering target with maneuverability limitation. Chinese Journal of Aeronautics, 2022, 35, 75-90.	2.8	5
9	Capturability of 3D RTPN Against True-Arbitrarily Maneuvering Target with Maneuverability Limitation. Lecture Notes in Electrical Engineering, 2022, , 4511-4528.	0.3	1
10	Development of Reinforcement Learning Based Mission Planning Method for Active Off-board Decoys on Naval Platforms. , 2022, , .		1
11	Three-Dimensional Nonlinear Optimal Guidance against Maneuvering Target with Large Initial Heading Error. , 2022, , .		0
12	UAS Image Detection and Avoidance. , 2022, , .		0
13	Self play with parameter sharing in n-player mixed competitive-cooperative games. , 2022, , .		0
14	UAV trajectory optimization using chance-constrained second-order cone programming. Aerospace Science and Technology, 2022, 121, 107283.	2.5	7
15	Nonlinear Analysis for Wing Rock System with Adaptive Control. , 2022, , .		0
16	Swarm Intelligence in Cooperative Environments: Introducing the N-Step Dynamic Tree Search Algorithm. , 2022, , .		3
17	Towards Safe Deep Reinforcement Learning for Autonomous Airborne Collision Avoidance Systems. , 2022, , .		2
18	Gaussian Process Adaptive Incremental Backstepping Flight Control. , 2022, , .		0

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19	Neuro-adaptive augmented distributed nonlinear dynamic inversion for consensus of nonlinear agents with unknown external disturbance. Scientific Reports, 2022, 12, 2049.	1.6	2
20	EuroDRONE, a European Unmanned Traffic Management Testbed for U-Space. Drones, 2022, 6, 53.	2.7	10
21	Integration of Unmanned Aerial Vehicles and LTE: A Scenario-Dependent Analysis. , 2022, , .		7
22	Bipartite Consensus of Nonlinear Agents in the Presence of Communication Noise. Sensors, 2022, 22, 2357.	2.1	2
23	Convexification in energy optimization of a hybrid electric propulsion system for aerial vehicles. Aerospace Science and Technology, 2022, 123, 107509.	2.5	8
24	Fault-tolerant consensus of nonlinear agents considering switching topology in the presence of communication noise. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 2776-2787.	0.7	2
25	Autonomous Unmanned Heterogeneous Vehicles for Persistent Monitoring. Drones, 2022, 6, 94.	2.7	3
26	An Information Entropy and Ensemble Learning Approach for DR-DOS Detection within Aviation Networks. , 2022, , .		1
27	Defects Recognition Algorithm Development from Visual UAV Inspections. Sensors, 2022, 22, 4682.	2.1	6
28	Multiobjective Overtaking Maneuver Planning for Autonomous Ground Vehicles. IEEE Transactions on Cybernetics, 2021, 51, 4035-4049.	6.2	51
29	Information-Theoretic Joint Probabilistic Data Association Filter. IEEE Transactions on Automatic Control, 2021, 66, 1262-1269.	3.6	14
30	Optimal three-dimensional impact time guidance with seeker's field-of-view constraint. Chinese Journal of Aeronautics, 2021, 34, 240-251.	2.8	36
31	Generalized Quadrature Spatial Modulation and its Application to Vehicular Networks With NOMA. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4030-4039.	4.7	49
32	Review of hybrid electric powered aircraft, its conceptual design and energy management methodologies. Chinese Journal of Aeronautics, 2021, 34, 432-450.	2.8	92
33	Distributed Cooperative Path Planning for Tracking Ground Moving Target by Multiple Fixed-wing UAVs via DMPC-GVD in Urban Environment. International Journal of Control, Automation and Systems, 2021, 19, 823-836.	1.6	8
34	Understandings of incremental backstepping controller considering measurement delay with model uncertainty. Aerospace Science and Technology, 2021, 109, 106408.	2.5	9
35	Distributed synchronous cooperative tracking algorithm for ground moving target in urban by UAVs. International Journal of Systems Science, 2021, 52, 832-847.	3.7	2
36	Fast Generation of Chance-Constrained Flight Trajectory for Unmanned Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1028-1045.	2.6	18

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37	High-fidelity trajectory optimization for aeroassisted vehicles using variable order pseudospectral method. Chinese Journal of Aeronautics, 2021, 34, 237-251.	2.8	11
38	Near-Optimal Midcourse Guidance for Velocity Maximization with Constrained Arrival Angle. Journal of Guidance, Control, and Dynamics, 2021, 44, 172-180.	1.6	9
39	UAV Path Planning Optimization based on GNSS Quality and Mission Requirements. , 2021, , .		0
40	Handover Prediction for Aircraft Dual Connectivity Using Model Predictive Control. IEEE Access, 2021, 9, 44463-44475.	2.6	10
41	RoIFusion: 3D Object Detection From LiDAR and Vision. IEEE Access, 2021, 9, 51710-51721.	2.6	27
42	Optimal Guidance With Active Observability Enhancement for Scale Factor Error Estimation of Strapdown Seeker. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 4347-4362.	2.6	6
43	Dynamic Spectrum Management with Network Function Virtualization for UAV Communication. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	2.0	4
44	A sample decreasing threshold greedy-based algorithm for big data summarisation. Journal of Big Data, 2021, 8, .	6.9	1
45	Two-Dimensional Quantum Genetic Algorithm: Application to Task Allocation Problem. Sensors, 2021, 21, 1251.	2.1	5
46	Soil Moisture Retrieval Model Design with Multispectral and Infrared Images from Unmanned Aerial Vehicles Using Convolutional Neural Network. Agronomy, 2021, 11, 398.	1.3	6
47	Digital Twin Analysis to Promote Safety and Security in Autonomous Vehicles. IEEE Communications Standards Magazine, 2021, 5, 40-46.	3.6	61
48	Introduction to UAV swarm utilization for communication on the move terminals tracking evaluation with reinforcement learning technique. , 2021, , .		1
49	Relation3DMOT: Exploiting Deep Affinity for 3D Multi-Object Tracking from View Aggregation. Sensors, 2021, 21, 2113.	2.1	2
50	Fast, Accurate, and Reliable Detection of Damage in Aircraft Composites by Advanced Synergistic Infrared Thermography and Phased Array Techniques. Applied Sciences (Switzerland), 2021, 11, 2778.	1.3	6
51	International Airline Alliance Network Design with Uncertainty. Applied Sciences (Switzerland), 2021, 11, 3065.	1.3	1
52	Efficient Allocation for Downlink Multi-Channel NOMA Systems Considering Complex Constraints. Sensors, 2021, 21, 1833.	2.1	6
53	Review of advanced guidance and control algorithms for space/aerospace vehicles. Progress in Aerospace Sciences, 2021, 122, 100696.	6.3	80
54	GAPointNet: Graph attention based point neural network for exploiting local feature of point cloud. Neurocomputing, 2021, 438, 122-132.	3.5	32

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55	Solving Constrained Trajectory Planning Problems Using Biased Particle Swarm Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1685-1701.	2.6	46
56	A survey of task allocation techniques in MAS. , 2021, , .		16
57	A Review of Safe Online Learning for Nonlinear Control Systems. , 2021, , .		2
58	Aspects and Challenges of Unmanned Aircraft Systems Safety Assurance and Certification for Advanced Operations.. , 2021, , .		1
59	Sensor-Based Robust Incremental Three-Dimensional Guidance Law with Terminal Angle Constraint. Journal of Guidance, Control, and Dynamics, 2021, 44, 2016-2030.	1.6	26
60	Computational Missile Guidance: A Deep Reinforcement Learning Approach. Journal of Aerospace Information Systems, 2021, 18, 571-582.	1.0	24
61	Cooperative Planning for an Unmanned Combat Aerial Vehicle Fleet Using Reinforcement Learning. Journal of Aerospace Information Systems, 2021, 18, 739-750.	1.0	5
62	Modeling and Performance Analysis of Opportunistic Link Selection for UAV Communication. Sensors, 2021, 21, 534.	2.1	5
63	Model Checking for Decision Making System of Long Endurance Unmanned Surface Vehicle. , 2021, , .		1
64	High-Altitude UAS Pseudo-Satellites: Architecture for End-to-End Military Communications. , 2021, , .		0
65	On-Line Learning and Updating Unmanned Tracked Vehicle Dynamics. Electronics (Switzerland), 2021, 10, 187.	1.8	6
66	A Deep Learning Cognitive Architecture: Towards a Unified Theory of Cognition. Advances in Intelligent Systems and Computing, 2021, , 566-582.	0.5	1
67	Learning prediction-correction guidance for impact time control. Aerospace Science and Technology, 2021, 119, 107187.	2.5	14
68	Using Lazy Agents to Improve the Flocking Efficiency of Multiple UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 103, 1.	2.0	3
69	Group Design Project in Control Engineering: Adapting to COVID-19 Pandemic. IFAC-PapersOnLine, 2021, 54, 68-73.	0.5	1
70	Aircraft to Operations Communication Analysis and Architecture for the Future Aviation Environment. , 2021, , .		7
71	A Machine Learning Based GNSS Performance Prediction for Urban Air Mobility Using Environment Recognition. , 2021, , .		2
72	Region of attraction Analysis for Adaptive Control of Wing Rock System. IFAC-PapersOnLine, 2021, 54, 518-523.	0.5	0

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73	Distributed Three-Dimensional Pseudo Measurement Kalman Filter with Angle-Only Measurements. , 2021, , .		1
74	Stochastic Filtering Technique for UAV-Based Communications On The Move Terminal Tracking Accuracy Evaluation. , 2021, , .		0
75	Solving Multiobjective Constrained Trajectory Optimization Problem by an Extended Evolutionary Algorithm. IEEE Transactions on Cybernetics, 2020, 50, 1630-1643.	6.2	73
76	Comparison of station keeping strategies for long endurance autonomous surface vehicle. Journal of Marine Science and Technology, 2020, 25, 13-25.	1.3	2
77	Distributed Joint Probabilistic Data Association Filter With Hybrid Fusion Strategy. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 286-300.	2.4	28
78	Solving Trajectory Optimization Problems in the Presence of Probabilistic Constraints. IEEE Transactions on Cybernetics, 2020, 50, 4332-4345.	6.2	24
79	Overview of Trajectory Optimization Techniques. Springer Aerospace Technology, 2020, , 7-25.	0.2	3
80	Real-Time Optimal Guidance and Control Strategies for Space Maneuver Vehicles. Springer Aerospace Technology, 2020, , 133-161.	0.2	0
81	Design of Trajectory Optimization Approach for Space Maneuver Vehicle Skip Entry Problems. Springer Aerospace Technology, 2020, , .	0.2	2
82	Stochastic Spacecraft Trajectory Optimization With the Consideration of Chance Constraints. IEEE Transactions on Control Systems Technology, 2020, 28, 1550-1559.	3.2	20
83	Distributed estimation over a low-cost sensor network: A Review of state-of-the-art. Information Fusion, 2020, 54, 21-43.	11.7	133
84	Multi-objective Trajectory Optimization Problem. Springer Aerospace Technology, 2020, , 99-132.	0.2	0
85	Capturability of 3D PPN Against Lower-Speed Maneuvering Target for Homing Phase. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 711-722.	2.6	27
86	Trajectory Optimization for Multitarget Tracking Using Joint Probabilistic Data Association Filter. Journal of Guidance, Control, and Dynamics, 2020, 43, 170-178.	1.6	22
87	Real-Time Reentry Trajectory Planning of Hypersonic Vehicles: A Two-Step Strategy Incorporating Fuzzy Multiobjective Transcription and Deep Neural Network. IEEE Transactions on Industrial Electronics, 2020, 67, 6904-6915.	5.2	98
88	Capturability of a Sliding-Mode Guidance Law With Finite-Time Convergence. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2312-2325.	2.6	24
89	Six-DOF Spacecraft Optimal Trajectory Planning and Real-Time Attitude Control: A Deep Neural Network-Based Approach. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5005-5013.	7.2	75
90	Energy efficient path planning for Unmanned Surface Vehicle in spatially-temporally variant environment. Ocean Engineering, 2020, 196, 106766.	1.9	57

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91	Understandings of Classical and Incremental Backstepping Controllers With Model Uncertainties. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2628-2641.	2.6	12
92	Multiobjective Optimal Parking Maneuver Planning of Autonomous Wheeled Vehicles. IEEE Transactions on Industrial Electronics, 2020, 67, 10809-10821.	5.2	45
93	Joint Probabilistic Data Association Filter Using Adaptive Gibbs Sampling. , 2020, , .		0
94	Decentralized task allocation for multiple UAVs with task execution uncertainties. , 2020, , .		8
95	EuroDRONE, A European UTM Testbed for U-Space. , 2020, , .		17
96	Sample greedy gossip distributed Kalman filter. Information Fusion, 2020, 64, 259-269.	11.7	15
97	A Preliminary Investigation of an Autonomous Vehicle Validation Infrastructure for Smart Cities. , 2020, , .		0
98	Power Control Optimization for Large-Scale Multi-Antenna Systems. IEEE Transactions on Wireless Communications, 2020, 19, 7339-7352.	6.1	15
99	Identification of Communication Signals Using Learning Approaches for Cognitive Radio Applications. IEEE Access, 2020, 8, 128930-128941.	2.6	10
100	Trustworthy Deep Learning in 6G-Enabled Mass Autonomy: From Concept to Quality-of-Trust Key Performance Indicators. IEEE Vehicular Technology Magazine, 2020, 15, 112-121.	2.8	30
101	Machine Learning and Multi-dimension Features based Adaptive Intrusion Detection in ICN. , 2020, , .		1
102	Integrity Analysis for GPS-Based Navigation of UAVs in Urban Environment. Robotics, 2020, 9, 66.	2.1	36
103	Autonomous Addition of Agents to an Existing Group Using Genetic Algorithm. Sensors, 2020, 20, 6953.	2.1	4
104	Performance of 3-D PPN Against Arbitrarily Maneuvering Target for Homing Phase. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3878-3891.	2.6	17
105	Distributed multiple model joint probabilistic data association with Gibbs sampling-aided implementation. Information Fusion, 2020, 64, 20-31.	11.7	12
106	Airport Connectivity Optimization for 5G Ultra-Dense Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 980-989.	4.9	14
107	Autonomous Architecture for UAV-based Agricultural Survey. , 2020, , .		3
108	Energy-Optimal Waypoint-Following Guidance Considering Autopilot Dynamics. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2701-2717.	2.6	11

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109	Comparison of Cooled and Uncooled IR Sensors by Means of Signal-to-Noise Ratio for NDT Diagnostics of Aerospace Grade Composites. Sensors, 2020, 20, 3381.	2.1	34
110	Two-layer adaptive augmentation for incremental backstepping flight control of transport aircraft in uncertain conditions. Aerospace Science and Technology, 2020, 105, 106051.	2.5	16
111	Trajectory planning for hypersonic reentry vehicle satisfying deterministic and probabilistic constraints. Acta Astronautica, 2020, 177, 30-38.	1.7	24
112	Multi-objective suborbit/orbit trajectory optimisation for spaceplanes. Acta Astronautica, 2020, 170, 431-442.	1.7	5
113	Improving Depth Resolution of Ultrasonic Phased Array Imaging to Inspect Aerospace Composite Structures. Sensors, 2020, 20, 559.	2.1	29
114	Go Wider: An Efficient Neural Network for Point Cloud Analysis via Group Convolutions. Applied Sciences (Switzerland), 2020, 10, 2391.	1.3	6
115	Optimal Guidance and Its Applications in Missiles and UAVs. Springer Aerospace Technology, 2020, , .	0.2	13
116	Optimal topology for consensus using genetic algorithm. Neurocomputing, 2020, 404, 41-49.	3.5	9
117	Hybrid Optimization Methods with Enhanced Convergence Ability. Springer Aerospace Technology, 2020, , 73-97.	0.2	0
118	Stochastic Trajectory Optimization Problems with Chance Constraints. Springer Aerospace Technology, 2020, , 163-191.	0.2	0
119	Performance Analysis of Different Optimization Strategies. Springer Aerospace Technology, 2020, , 55-72.	0.2	0
120	Modeling of the Trajectory Optimization Problems. Springer Aerospace Technology, 2020, , 27-53.	0.2	0
121	Optimal Trajectory Shaping Guidance Law with Seeker's Field-of-View Constraint. Springer Aerospace Technology, 2020, , 41-62.	0.2	0
122	Optimal Integrated Waypoint Following and Obstacle Avoidance Guidance Law. Springer Aerospace Technology, 2020, , 199-214.	0.2	0
123	UAV Collision Avoidance Considering No-Fly-Zones. IFAC-PapersOnLine, 2020, 53, 14748-14753.	0.5	2
124	Linear Observability-Enhancement Optimal Guidance Law. Springer Aerospace Technology, 2020, , 63-89.	0.2	1
125	Composite Adaptive Backstepping Control considering Computational Complexity and Relaxation of Persistent Excitation. IFAC-PapersOnLine, 2020, 53, 3767-3772.	0.5	1
126	Soil Moisture Retrieval from Airborne Multispectral and Infrared Images using Convolutional Neural Network. IFAC-PapersOnLine, 2020, 53, 15852-15857.	0.5	3

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127	Optimal Error Dynamics in Missile Guidance. Springer Aerospace Technology, 2020, , 9-39.	0.2	1
128	Threshold Bundle-based Task Allocation for Multiple Aerial Robots. IFAC-PapersOnLine, 2020, 53, 14787-14792.	0.5	1
129	Introduction of Optimal Guidance. Springer Aerospace Technology, 2020, , 1-6.	0.2	0
130	Energy-Optimal Waypoint-Following Guidance Law Considering Autopilot Dynamics. Springer Aerospace Technology, 2020, , 175-198.	0.2	0
131	Gravity-Turn-Assisted Optimal Guidance Law. Springer Aerospace Technology, 2020, , 111-132.	0.2	0
132	Fault Detection, Isolation and Adaptive Augmentation for Incremental Backstepping Flight Control. IFAC-PapersOnLine, 2020, 53, 14799-14804.	0.5	3
133	Gravity-Turn-Assisted Optimal Intercept Angle Guidance Law. Springer Aerospace Technology, 2020, , 133-147.	0.2	0
134	Minimum-Effort Waypoint-Following Guidance Law. Springer Aerospace Technology, 2020, , 151-173.	0.2	2
135	Aircraft non-destructive testing using an unmanned aerial vehicle (Conference Presentation). , 2020, , .		0
136	In-Flight Entertainment Datalink Analysis and Simulation. , 2020, , .		1
137	Rule-Based Conflict Management for Unmanned Traffic Management Scenarios. , 2020, , .		7
138	Quality of Service Study in Synchronized Time-Triggered Aerial Networks. , 2020, , .		1
139	External Synchronisation in Time-Triggered Networks. , 2020, , .		3
140	Strategic Deconfliction of Heterogeneous Multiple Unmanned Aerial Vehicles using Direct Trajectory Optimization. , 2020, , .		0
141	Trajectory Optimization of Space Maneuver Vehicle Using a Hybrid Optimal Control Solver. IEEE Transactions on Cybernetics, 2019, 49, 467-480.	6.2	63
142	Behavior Monitoring Using Learning Techniques and Regular-Expressions-Based Pattern Matching. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1289-1302.	4.7	10
143	An integrated decision-making framework of a heterogeneous aerial robotic swarm for cooperative tasks with minimum requirements. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 2101-2118.	0.7	8
144	Parametric Study on Formation Flying Effectiveness for a Blended-Wing UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 179-191.	2.0	10

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145	Unleash Narrowband Technologies for Industrial Internet of Things Services. IEEE Network, 2019, 33, 16-22.	4.9	8
146	Indirect engine sizing via distributed hybrid-electric unmanned aerial vehicle state-of-charge-based parametrisation criteria. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5360-5368.	0.7	1
147	Concurrent Learning Adaptive Control With Directional Forgetting. IEEE Transactions on Automatic Control, 2019, 64, 5164-5170.	3.6	21
148	Ultrasonic Phased Array Imaging Technology for the Inspection of Aerospace Composite Structures. , 2019, , .		2
149	Design of a Distributed Hybrid Electric Propulsion System for a Light Aircraft based on genetic algorithm. , 2019, , .		8
150	Efficient Decentralized Task Allocation for UAV Swarms in Multi-target Surveillance Missions. , 2019, , .		14
151	Model identification adaptive control - implementation case studies for a high manoeuvrability aircraft. , 2019, , .		2
152	Probability Collectives Algorithm applied to Decentralized Intersection Coordination for Connected Autonomous Vehicles. , 2019, , .		10
153	Generalized Hybrid Beamforming for Vehicular Connectivity Using THz Massive MIMO. IEEE Transactions on Vehicular Technology, 2019, 68, 8372-8383.	3.9	80
154	A review of optimization techniques in spacecraft flight trajectory design. Progress in Aerospace Sciences, 2019, 109, 100543.	6.3	80
155	Trajectory Optimization for Target Localization With Bearing-Only Measurement. IEEE Transactions on Robotics, 2019, 35, 653-668.	7.3	49
156	Switching LOS guidance with speed allocation and vertical course control for path-following of unmanned underwater vehicles under ocean current disturbances. Ocean Engineering, 2019, 182, 412-426.	1.9	29
157	Inspection of Aircraft Wing Panels Using Unmanned Aerial Vehicles. Sensors, 2019, 19, 1824.	2.1	11
158	Lunar In-situ Thermal Regolith Storage and Power Generation using Thermoelectric Generators. , 2019, , .		2
159	Application of NDT thermographic imaging of aerospace structures. Infrared Physics and Technology, 2019, 97, 456-466.	1.3	52
160	Voronoi-Visibility Roadmap-based Path Planning Algorithm for Unmanned Surface Vehicles. Journal of Navigation, 2019, 72, 850-874.	1.0	50
161	Minimum-Effort Waypoint-Following Guidance. Journal of Guidance, Control, and Dynamics, 2019, 42, 1551-1561.	1.6	20
162	Analysis of Wireless Connectivity Applications at Airport Surface. , 2019, , .		0

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163	Learning Based Spectrum Hole Detection for Cognitive Radio Communication. , 2019, , .		3
164	Linear Quadratic Tracker with Integrator using Integral Reinforcement Learning. , 2019, , .		2
165	A Nonlinear Attitude Controller for Drones with CMG (Control Momentum Gyro). , 2019, , .		1
166	Autonomous collection of ground truth data by unmanned aerial vehicles instructed using SMS text messages. , 2019, , .		0
167	Two-layer Fault Detection for Incremental Flight Control of Fixed-wing UAV. , 2019, , .		3
168	Observability-Enhancement Optimal Guidance Law. , 2019, , .		3
169	Distributed Multi-Target Tracking with D-DBSCAN Clustering. , 2019, , .		1
170	Optimal Guidance for Integrated Waypoint Following and Obstacle Avoidance. , 2019, , .		0
171	Improving Learning Effectiveness For Object Detection and Classification in Cluttered Backgrounds. , 2019, , .		1
172	Reinforcement Learning for Autonomous Aircraft Avoidance. , 2019, , .		3
173	Cognitive Communication Scheme for Unmanned Aerial Vehicle Operation. , 2019, , .		2
174	Computational Guidance Using Sparse Gauss-Hermite Quadrature Differential Dynamic Programming. IFAC-PapersOnLine, 2019, 52, 13-18.	0.5	11
175	Sense and Avoid using Hybrid Convolutional and Recurrent Neural Networks. IFAC-PapersOnLine, 2019, 52, 61-66.	0.5	0
176	Closed-loop Analysis with Incremental Backstepping Controller considering Measurement Bias. IFAC-PapersOnLine, 2019, 52, 405-410.	0.5	4
177	Two-Layer On-line Parameter Estimation for Adaptive Incremental Backstepping Flight Control for a Transport Aircraft in Uncertain Conditions. IFAC-PapersOnLine, 2019, 52, 411-416.	0.5	11
178	A design of a short course with COTS UAV system for higher education students. IFAC-PapersOnLine, 2019, 52, 466-471.	0.5	7
179	Developing Flight Control Policy Using Deep Deterministic Policy Gradient. , 2019, , .		5
180	Greedy Based Proactive Spectrum Handoff Scheme for Cognitive Radio Systems. , 2019, , .		2

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181	Evolutionary Game Theory based Multi-Objective Optimization for Control Allocation of Over-Actuated System. IFAC-PapersOnLine, 2019, 52, 310-315.	0.5	10
182	Two-Stage Trajectory Optimization for Autonomous Ground Vehicles Parking Maneuver. IEEE Transactions on Industrial Informatics, 2019, 15, 3899-3909.	7.2	53
183	Autonomous Unmanned Heterogeneous Vehicles for Persistent Monitoring. , 2019, , .		1
184	Feasibility of Active Debris Removal Testing on the International Space Station using Free-flyers. , 2019, , .		0
185	A Low Cost Thermoelectric Generator for Small Satellites. , 2019, , .		1
186	Fuzzy multiobjective cooperative surveillance of multiple UAVs based on distributed predictive control for unknown ground moving target in urban environment. Aerospace Science and Technology, 2019, 84, 329-338.	2.5	56
187	Fuzzy logic based equivalent consumption optimization of a hybrid electric propulsion system for unmanned aerial vehicles. Aerospace Science and Technology, 2019, 85, 13-23.	2.5	55
188	Optimal Active Target Localisation Strategy with Range-only Measurements. , 2019, , .		2
189	3D Car Tracking using Fused Data in Traffic Scenes for Autonomous Vehicle. , 2019, , .		1
190	Autonomous systems thermographic NDT of composite structures. , 2019, , .		0
191	Optimal Tracking Guidance for Aeroassisted Spacecraft Reconnaissance Mission Based on Receding Horizon Control. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1575-1588.	2.6	40
192	An autonomous system for maintenance scheduling data-rich complex infrastructure: Fusing the railwaysâ€™ condition, planning and cost. Transportation Research Part C: Emerging Technologies, 2018, 89, 234-253.	3.9	44
193	Neural-networks-based Adaptive Control for an Uncertain Nonlinear System with Asymptotic Stability. International Journal of Control, Automation and Systems, 2018, 16, 1989-2001.	1.6	11
194	An Enhanced Particle Swarm Optimization Method Integrated With Evolutionary Game Theory. IEEE Transactions on Games, 2018, 10, 221-230.	1.2	31
195	Optimal fuel consumption finite-thrust orbital hopping of aeroassisted spacecraft. Aerospace Science and Technology, 2018, 75, 172-182.	2.5	25
196	New Application of Data Analysis Using Aircraft Fault Record Data. Journal of Aerospace Information Systems, 2018, 15, 297-306.	1.0	5
197	Attitude control analysis of tethered de-orbiting. Acta Astronautica, 2018, 146, 316-331.	1.7	11
198	Nonlinear Analytical Uncertainty Propagation for Relative Motion near J2-Perturbed Elliptic Orbits. Journal of Guidance, Control, and Dynamics, 2018, 41, 888-903.	1.6	16

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200	Composite Model Reference Adaptive Control with Parameter Convergence Under Finite Excitation. IEEE Transactions on Automatic Control, 2018, 63, 811-818.	3.6	97
201	Inspection of Aircraft Wing Panels Using Unmanned Aerial Vehicles. , 2018, , .		8
202	Sizing of hybrid electric propulsion system for retrofitting a mid-scale aircraft using non-dominated sorting genetic algorithm. Aerospace Science and Technology, 2018, 82-83, 323-333.	2.5	24
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