

CITATION REPORT

List of articles citing

Unmanned Aerial Vehicles (UAVs): A Survey on Civil Applications and Key Research Challenges

DOI: 10.1109/access.2019.2909530
IEEE Access, 2019, 7, 48572-48634.

Source: <https://exaly.com/paper-pdf/73554591/citation-report.pdf>

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
936	Mobile Communication Base Station Antenna Measurement Using Unmanned Aerial Vehicle. <i>IEEE Access</i> , 2019 , 7, 119892-119903	3.5	3
935	A Comprehensive Survey on UAV Communication Channel Modeling. <i>IEEE Access</i> , 2019 , 7, 107769-107792	3.5	112
934	UAVs to the Rescue: Prolonging the Lifetime of Wireless Devices Under Disaster Situations. 2019 , 3, 942-954		13
933	A Survey on 5G Millimeter Wave Communications for UAV-Assisted Wireless Networks. <i>IEEE Access</i> , 2019 , 7, 117460-117504	3.5	106
932	A PSO-Based Approach for User-Pairing Schemes in NOMA Systems: Theory and Applications. <i>IEEE Access</i> , 2019 , 7, 90550-90564	3.5	23
931	. <i>IEEE Access</i> , 2019 , 7, 103231-103249	3.5	42
930	Enhanced Attitude Control of Unmanned Aerial Vehicles Based on Virtual Angular Accelerometer. <i>IEEE Access</i> , 2019 , 7, 104330-104343	3.5	5
929	A comprehensive review on recent advancements in routing protocols for flying ad hoc networks. 2019 , e3688		4
928	Review: Using Unmanned Aerial Vehicles (UAVs) as Mobile Sensing Platforms (MSPs) for Disaster Response, Civil Security and Public Safety. 2019 , 3, 59		65
927	Smart Industrial IoT Monitoring and Control System Based on UAV and Cloud Computing Applied to a Concrete Plant. 2019 , 19,		35
926	Visual Inspection of the Aircraft Surface Using a Teleoperated Reconfigurable Climbing Robot and Enhanced Deep Learning Technique. 2019 , 2019, 1-14		15
925	Broadband lightweight flat lenses for long-wave infrared imaging. 2019 , 116, 21375-21378		33
924	A Survey of Collaborative UAV-WSN Systems for Efficient Monitoring. 2019 , 19,		39
923	Role of UAVs in Public Safety Communications: Energy Efficiency Perspective. <i>IEEE Access</i> , 2019 , 7, 140665-140679	3.5	49
922	Mobile-Controlled UAVs for Audio Delivery Service and Payload Tracking Solution. <i>IEEE Access</i> , 2019 , 7, 149672-149697	3.5	1
921	Wireless Coverage for Mobile Users in Dynamic Environments Using UAV. <i>IEEE Access</i> , 2019 , 7, 126376-126390	3.5	13
920	Joint Trajectory Design, Task Data, and Computing Resource Allocations for NOMA-Based and UAV-Assisted Mobile Edge Computing. <i>IEEE Access</i> , 2019 , 7, 117448-117459	3.5	25

919	Orientation- and Scale-Invariant Multi-Vehicle Detection and Tracking from Unmanned Aerial Videos. 2019 , 11, 2155	10
918	An efficient architecture for the accurate detection and monitoring of an event through the sky. 2019 , 148, 115-128	34
917	A Review on IoT Deep Learning UAV Systems for Autonomous Obstacle Detection and Collision Avoidance. 2019 , 11, 2144	44
916	Achieving Tiered Model Quality in 3D Structure from Motion Models Using a Multi-Scale View-Planning Algorithm for Automated Targeted Inspection. 2019 , 19,	5
915	Design Challenges of Multi-UAV Systems in Cyber-Physical Applications: A Comprehensive Survey and Future Directions. 2019 , 21, 3340-3385	90
914	Towards an Autonomous Industry 4.0 Warehouse: A UAV and Blockchain-Based System for Inventory and Traceability Applications in Big Data-Driven Supply Chain Management. 2019 , 19,	98
913	Agent-based simulation of unmanned aerial vehicles in civilian applications: A systematic literature review and research directions. 2019 , 100, 344-364	24
912	Scientometric analysis of research on Remotely piloted aircraft 2019 , 27, 634-657	3
911	Comparative analysis of range sensors for the robust autonomous navigation [A review. 2019 , 40, 17-41	6
910	Enabling the Mobile IoT: Wake-up Unmanned Aerial Systems for Long-Lived Data Collection. 2019 ,	
909	On-board Sensor Data Monitoring System For Unmanned Aerial Vehicle PHM. 2019 ,	0
908	Design of an UAV-based Automatic Relay System. 2019 ,	1
907	A Simple Proactive Routing Protocol with Multiple Base Stations Deployment for Unmanned Aerial Vehicular Networks. 2019 ,	0
906	Learning-Based Anomaly Detection and Monitoring for Swarm Drone Flights. 2019 , 9, 5477	8
905	Localisation using UAV in RFID and Sensor Network Environment:Needs and Challenges. 2019 ,	2
904	MEC-Driven UAV-Enabled Routine Inspection Scheme in Wind Farm Under Wind Influence. <i>IEEE Access</i> , 2019 , 7, 179252-179265	3.5 12
903	Does Deep Super-Resolution Enhance UAV Detection?. 2019 ,	12
902	A Low Latency Clustering Method for Large-Scale Drone Swarms. <i>IEEE Access</i> , 2019 , 7, 186260-186267	3.5 8

901	Radar Beampattern Design for a Drone Swarm. 2019 ,	3
900	Reducing Commercial Aviation Fatalities Using Support Vector Machines. 2019 ,	0
899	Cascade First and Second Order Sliding Mode Controller of a QuadRotor UAV based on Exponential Reaching Law and Modified Super-Twisting Algorithm. 2019 ,	0
898	Performance Analysis of AFD and LCR in 3-D MIMO Channels for LAP Airborne Communications. 2019 ,	
897	Investigation of Aerodynamic Stability of a Lightweight Dual-Arm Power Transmission Line Inspection Robot under the Influence of Wind. 2019 , 2019, 1-16	10
896	End-To-End Controls Using K-Means Algorithm for 360-Degree Video Control Method on Omnidirectional Camera-Equipped Autonomous Micro Unmanned Aircraft Systems. 2019 , 9, 4431	1
895	Maize Crop Coefficient Estimated from UAV-Measured Multispectral Vegetation Indices. 2019 , 19,	12
894	Accessing From the Sky: A Tutorial on UAV Communications for 5G and Beyond. 2019 , 107, 2327-2375	410
893	Towards Solar-Powered Unmanned Aerial Vehicles for Improved Flight Performance. 2019 ,	2
892	Zoning a Service Area of Unmanned Aerial Vehicles for Package Delivery Services. 2020 , 97, 719-731	19
891	GeoUAVs: A new geocast routing protocol for fleet of UAVs. 2020 , 149, 259-269	15
890	Multidisciplinary and Multifidelity Framework for Evaluating System-of-Systems Capabilities of Unmanned Aircraft. 2020 , 57, 317-332	5
889	End-to-End Energy-Efficiency and Reliability of UAV-Assisted Wireless Data Ferrying. 2020 , 68, 1822-1837	16
888	Novel robust super twisting integral sliding mode controller for a quadrotor under external disturbances. 2020 , 8, 805-815	15
887	UAVs assessment in software-defined IoT networks: An overview. 2020 , 150, 519-536	46
886	Detection and Classification of UAVs Using RF Fingerprints in the Presence of Wi-Fi and Bluetooth Interference. 2020 , 1, 60-76	56
885	5G-UASP: 5G-based multi-provider UAV platform architecture. 2020 ,	2
884	Sensor Fusion Algorithm Using a Model-Based Kalman Filter for the Position and Attitude Estimation of Precision Aerial Delivery Systems. 2020 , 20,	1

883	Data analysis in visual power line inspection: An in-depth review of deep learning for component detection and fault diagnosis. 2020 , 50, 253-277			7
882	Path-Following with a UGV-UAV Formation Considering that the UAV Lands on the UGV. 2020 ,			3
881	Decentralized task allocation for multiple UAVs with task execution uncertainties *. 2020 ,			1
880	Modelling and simulation of a tethered UAS. 2020 ,			1
879	Autonomous Wind Turbine Inspection using a Quadrotor. 2020 ,			2
878	Situational risk assessment within safety-driven behavior management in the context of UAS. 2020 ,			1
877	Complementary MultiModal Sensor Fusion for Resilient Robot Pose Estimation in Subterranean Environments. 2020 ,			12
876	Outdoor navigation using two quadrotors and adaptive sliding mode control. 2020 ,			0
875	A novel concept of VTOL bi-rotor UAV based on moving mass control. 2020 , 107, 106238			8
874	A smart lightweight privacy preservation scheme for IoT-based UAV communication systems. 2020 , 162, 102-117			20
873	Visual Coverage Maintenance for Quadcopters Using Nonsmooth Barrier Functions. 2020 ,			1
872	UAVs joint optimization problems and machine learning to improve the 5G and Beyond communication. 2020 , 182, 107478			13
871	Overview of Vehicle Optical Wireless Communications. <i>IEEE Access</i> , 2020 , 8, 173461-173480	3.5	3	
870	UAV Swarm Intelligence: Recent Advances and Future Trends. <i>IEEE Access</i> , 2020 , 8, 183856-183878	3.5	27	
869	A survey on recent optimal techniques for securing unmanned aerial vehicles applications. 2020 , 32, e4133			14
868	Real-Time System Identification Using Deep Learning for Linear Processes With Application to Unmanned Aerial Vehicles. <i>IEEE Access</i> , 2020 , 8, 122539-122553	3.5	8	
867	Finite-Horizon LQR Control of Quadrotors on $\mathbb{SE}_2(3)$. 2020 , 5, 5748-5755			13
866	Airborne Optical Sectioning for Nesting Observation. 2020 , 10, 7254			7

865	Path planning of multiple UAVs using MMACO and DE algorithm in dynamic environment. 2020 , 002029402091572	15
864	Cooperative UAV-UGV Autonomous Power Pylon Inspection: An Investigation of Cooperative Outdoor Vehicle Positioning Architecture. 2020 , 20,	9
863	Optimal New Sliding Mode Controller Combined with Modified Supertwisting Algorithm for a Perturbed Quadrotor UAV. 2020 , 2020, 1-10	4
862	Search and rescue with airborne optical sectioning. 2020 , 2, 783-790	5
861	Multi-task offloading scheme for UAV-enabled fog computing networks. 2020 , 2020,	4
860	Collision-Free UAV Navigation with a Monocular Camera Using Deep Reinforcement Learning. 2020 , ,	4
859	High-Quality UAV-Based Orthophotos for Cadastral Mapping: Guidance for Optimal Flight Configurations. 2020 , 12, 3625	9
858	Linear models for total coverage problem with connectivity constraints using multiple unmanned aerial vehicles. 2020 , 34, 15	
857	Enhancing Extensive and Remote LoRa Deployments through MEC-Powered Drone Gateways. 2020 , 20,	3
856	Detection and Classification of Multirotor Drones in Radar Sensor Networks: A Review. 2020 , 20,	31
855	Implementation of advanced software solutions and systems for transport traffic research and control. 2020 , 878, 012044	0
854	A survey on cellular-connected UAVs: Design challenges, enabling 5G/B5G innovations, and experimental advancements. 2020 , 182, 107451	26
853	Versatile Low-Cost and Light-Weight RF Equipment for Field Measurements. 2020 ,	2
852	A Comprehensive Review of Applications of Drone Technology in the Mining Industry. 2020 , 4, 34	54
851	A Multi-UAVs Communication Network Simulation Platform using OPNET Modeler. 2020 ,	2
850	A Hybrid Voronoi Tessellation/Genetic Algorithm Approach for the Deployment of Drone-Based Nodes of a Self-Organizing Wireless Sensor Network (WSN) in Unknown and GPS Denied Environments. 2020 , 4, 33	4
849	LiDAR-Aided Interior Orientation Parameters Refinement Strategy for Consumer-Grade Cameras Onboard UAV Remote Sensing Systems. 2020 , 12, 2268	7
848	Survey of 8 UAV Set-Covering Algorithms for Terrain Photogrammetry. 2020 , 12, 2285	3

847	Highly reliable relative navigation for multi-UAV formation flight in urban environments. 2020 ,		13
846	Security Orchestration and Enforcement in NFV/SDN-Aware UAV Deployments. <i>IEEE Access</i> , 2020 , 8, 131779-131795	3.5	9
845	Classification of Unmanned Aerial vehicles: A Mirror Review. 2020 ,		0
844	Energy-Efficient Resource Allocation and Trajectory Design for UAV Relaying Systems. 2020 , 68, 6483-6498		20
843	Efficient and coordinated vertical takeoff of UAV swarms. 2020 ,		7
842	Modelling and Simulation of Ego-Noise of Unmanned Aerial Vehicles. 2020 ,		1
841	Trajectory Optimization of Flying Energy Sources using Q-Learning to Recharge Hotspot UAVs. 2020 ,		8
840	AOA-based drone localization using wireless sensor-doublets. 2020 , 42, 101160		5
839	Toward secure, efficient, and seamless reconfiguration of UAV swarm formations. 2020 ,		2
838	Providing resilience to UAV swarms following planned missions. 2020 ,		2
837	. <i>IEEE Access</i> , 2020 , 8, 170681-170695	3.5	9
836	Collaborative Multi-Robot Search and Rescue: Planning, Coordination, Perception, and Active Vision. <i>IEEE Access</i> , 2020 , 8, 191617-191643	3.5	41
835	Control Strategies and Novel Techniques for Autonomous Rotorcraft Unmanned Aerial Vehicles: A Review. <i>IEEE Access</i> , 2020 , 8, 195142-195169	3.5	13
834	Vision-based Guidance and Navigation for Autonomous MAV in Indoor Environment. 2020 ,		2
833	Clustering algorithms for UAV placement in 5G and Beyond Networks. 2020 ,		4
832	A Deep Learning Approach for LoS/NLoS Identification via PRACH in UAV-assisted Public Safety Networks. 2020 ,		0
831	WBF-PS: WiGig Beam Fingerprinting for UAV Positioning System in GPS-denied Environments. 2020 , ,		1
830	Dynamic Camera Reconfiguration with Reinforcement Learning and Stochastic Methods for Crowd Surveillance. 2020 , 20,		2

829	New Fusion Algorithm-Reinforced Pilot Control for an Agricultural Tricopter UAV. 2020 , 8, 1499		3
828	Deep Convolutional Neural Networks for Weed Detection in Agricultural Crops Using Optical Aerial Images. 2020 ,		2
827	Multichannel W-Band SAR System on a Multirotor UAV Platform With Real-Time Data Transmission Capabilities. <i>IEEE Access</i> , 2020 , 8, 144413-144431	3.5	6
826	Spectral Index Fusion for Salinized Soil Salinity Inversion Using Sentinel-2A and UAV Images in a Coastal Area. <i>IEEE Access</i> , 2020 , 8, 159595-159608	3.5	10
825	A Flexible, Low-Power Platform for UAV-Based Data Collection From Remote Sensors. <i>IEEE Access</i> , 2020 , 8, 164775-164785	3.5	6
824	Large Dynamic Current Monitoring for UAV Steering Motor Using Twin Nonlinear Shunt. 2020 , 9, 1240		
823	UAV Trajectory Planning in a Port Environment. 2020 , 8, 592		4
822	Energy-Efficient UAVs Deployment for QoS-Guaranteed VoWiFi Service. 2020 , 20,		4
821	Modeling and Analysis of None-Series Compensation for Inductive Wireless Power Transfer Links. 2020 ,		2
820	Performance of 5G terrestrial network deployments for serving UAV communications. 2020 ,		2
819	UAV Icing: Experimental Heat Loads for Anti-Icing and De-Icing. 2020 ,		2
818	Context-Specific Challenges, Opportunities, and Ethics of Drones for Healthcare Delivery in the Eyes of Program Managers and Field Staff: A Multi-Site Qualitative Study. 2020 , 4, 44		10
817	. <i>IEEE Access</i> , 2020 , 8, 168671-168710	3.5	28
816	An Object-Oriented Systems Engineering Point of View to Develop Controllers of Quadrotor Unmanned Aerial Vehicles. 2020 , 2020, 1-17		4
815	UAVs Path Deviation Attacks: Survey and Research Challenges. 2020 ,		5
814	SIR Analysis in 3D UAV Networks: A Stochastic Geometry Approach. <i>IEEE Access</i> , 2020 , 8, 204963-204973	3.5	7
813	. 2020 ,		4
812	Short study of unmanned cargo multicopters with simulation. 2020 , 176, 3217-3224		

811	Non-Uniform Discretization-based Ordinal Regression for Monocular Depth Estimation of an Indoor Drone. 2020 , 9, 1767	2
810	FFAU: Framework for Fully Autonomous UAVs. 2020 , 12, 3533	9
809	New Approach of UAV Movement Detection and Characterization Using Advanced Signal Processing Methods Based on UWB Sensing. 2020 , 20,	5
808	HCI International 2020 Late Breaking Posters. 2020 ,	
807	Determining the Composition of the Group of Drones and the Basing Method for Oil Pipeline Monitoring. 2020 ,	0
806	. 2020 , 68, 4476-4489	40
805	Aerial Load Transportation with Multiple Quadrotors Based on a Kinematic Controller and a Neural SMC Dynamic Compensation. 2020 , 100, 519-530	10
804	Real Time Experimental control and Design of FOPID and L-PID Controllers tuned by Invasive weed optimization for Trajectory Control of TRAS. 2020 ,	1
803	Reliable Long-Range Multi-Link Communication for Unmanned Search and Rescue Aircraft Systems in Beyond Visual Line of Sight Operation. 2020 , 4, 16	8
802	Dynamic Radar Networks of UAVs: A Tutorial Overview and Tracking Performance Comparison With Terrestrial Radar Networks. 2020 , 15, 113-120	15
801	An intelligent task offloading algorithm (iTOA) for UAV edge computing network. 2020 , 6, 433-443	20
800	UAV assistance paradigm: State-of-the-art in applications and challenges. 2020 , 166, 102706	97
799	A UAV-Assisted Data Collection for Wireless Sensor Networks: Autonomous Navigation and Scheduling. <i>IEEE Access</i> , 2020 , 8, 110446-110460	3.5 19
798	Unmanned Aerial Vehicles (UAVs): Collision Avoidance Systems and Approaches. <i>IEEE Access</i> , 2020 , 8, 105139-105155	3.5 48
797	Softwarization of UAV Networks: A Survey of Applications and Future Trends. <i>IEEE Access</i> , 2020 , 8, 98073-98125	3.5 50
796	Improved Kalman Filter Variants for UAV Tracking with Radar Motion Models. 2020 , 9, 768	4
795	Spatial Path Energy Optimization for UAV Operation in Aerial Ground Networking. 2020 , 34, 04020008	1
794	Three-Hop Untrusted Relay Networks With Hardware Imperfections and Channel Estimation Errors for Internet of Things. 2020 , 15, 2856-2868	15

793	A blockchain-based secure healthcare scheme with the assistance of unmanned aerial vehicle in Internet of Things. 2020 , 84, 106627	46
792	Multiobjective UAV Path Planning for Emergency Information Collection and Transmission. 2020 , 7, 6993-7009	24
791	Complex Field Network Coding for Multi-Source Multi-Relay Single-Destination UAV Cooperative Surveillance Networks. 2020 , 20,	1
790	Safety Constrained Multi-UAV Time Coordination: A Bi-level Control Framework in GPS Denied Environment. 2020 ,	
789	Aerial and underwater drone communication: potentials and vulnerabilities. 2020 , 1-26	3
788	Mission Capability Estimation of Multicopter UAV for Low-Altitude Remote Sensing. 2020 , 100, 667-688	0
787	A Heterogeneous Image Fusion Method Based on DCT and Anisotropic Diffusion for UAVs in Future 5G IoT Scenarios. 2020 , 2020, 1-11	2
786	Navigation of a Network of Aerial Drones for Monitoring a Frontier of a Moving Environmental Disaster Area. 2020 , 14, 4746-4749	16
785	. <i>IEEE Access</i> , 2020 , 1-1	3.5 47
784	A compilation of UAV applications for precision agriculture. 2020 , 172, 107148	182
783	Robust Motion Control for UAV in Dynamic Uncertain Environments Using Deep Reinforcement Learning. 2020 , 12, 640	28
782	Cognition in UAV-Aided 5G and Beyond Communications: A Survey. 2020 , 6, 872-891	69
781	Power transmission line inspection robots: A review, trends and challenges for future research. 2020 , 118, 105862	44
780	Drones for parcel and passenger transportation: A literature review. 2020 , 4, 100088	53
779	A Situation Assessment Method with an Improved Fuzzy Deep Neural Network for Multiple UAVs. 2020 , 11, 194	3
778	A Survey on Theories and Applications for Self-Driving Cars Based on Deep Learning Methods. 2020 , 10, 2749	25
777	. <i>IEEE Access</i> , 2020 , 8, 56823-56836	3.5 28
776	Compact-Range RCS Measurements and Modeling of Small Drones at 15 GHz and 25 GHz. 2020 ,	2

775	Rotor interactional effects on aerodynamic and noise characteristics of a small multirotor unmanned aerial vehicle. 2020 , 32, 047107	13
774	Hierarchical nonlinear control for multi-rotor asymptotic stabilization based on zero-moment direction. 2020 , 117, 108991	1
773	Proposing a Privacy Protection Model in Case of Civilian Drone. 2020 ,	11
772	Forestry Remote Sensing from Unmanned Aerial Vehicles: A Review Focusing on the Data, Processing and Potentialities. 2020 , 12, 1046	59
771	Research on Energy Optimal Control Strategy of DC PV-Energy Storage System for Unmanned Aerial Vehicle. 2021 , 9, 2643-2651	0
770	Structural and modal analysis of hybrid low altitude self-sustainable surveillance drone technology frame. 2021 , 37, 409-418	2
769	Can a multi-hop link relying on untrusted amplify-and-forward relays render security?. 2021 , 27, 795-807	4
768	Internet of Flying Things (IoFT): A Survey. 2021 , 165, 53-74	22
767	On the application of drones: a progress report in mining operations. 2021 , 35, 235-267	6
766	A semi-analytical approach for flutter analysis of a high-aspect-ratio wing. 2021 , 125, 410-429	2
765	Unmanned Aerial Vehicle-Aided 5G NR for Enhanced Network in Urban Scenarios. 2021 , 28, 104-115	1
764	Resilient composition of drone services for delivery. 2021 , 115, 335-350	9
763	Minimize the routing overhead through 3D cone shaped location-aided routing protocol for FANETs. 2021 , 13, 89-95	6
762	A Comprehensive Review of Unmanned Aerial Vehicle Attacks and Neutralization Techniques. 2021 , 111, 102324	49
761	Fusion of blockchain and artificial intelligence for secure drone networking underlying 5G communications. 2021 , 32,	14
760	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. 2021 , 64, 1	264
759	Simulation and assessment of battery depletion attacks on unmanned aerial vehicles for crisis management infrastructures. 2021 , 107, 102244	1
758	BIM, machine learning and computer vision techniques in underground construction: Current status and future perspectives. 2021 , 108, 103677	43

757	Exploration of a disrupted road network after a disaster with an online routing algorithm. 2021 , 43, 289-326	3
756	An experimental study on the flight time of quadcopter using solar energy. 2021 , 38, 269-273	
755	An optimization based approach to enhance the throughput and energy efficiency for cognitive unmanned aerial vehicle networks. 2021 , 27, 475-493	5
754	. 2021 , 8, 4373-4388	19
753	Fast terminal sliding mode controller for high speed and complex maneuvering of unmanned aerial vehicles. 2021 , 203-230	1
752	Singular Spectrum Analysis for Source Separation in Drone-Based Audio Recording. <i>IEEE Access</i> , 2021 , 9, 43444-43457	3.5 4
751	A Synchronous Auxiliary Resonant Commutated Pole Soft-switching Inverter with Improved Load Adaptability. 2021 , 1-1	1
750	Wideband Printed Half Bow-Tie Antenna Array Based on a Quad-Mode Reconfigurable Feeding Network for UAV Communications. 2021 , 2, 238-248	5
749	Distributed Deployment in UAV-Assisted Networks for a Long-Lasting Communication Coverage. 2021 , 1-9	0
748	Autonomous Firefighting Inside Buildings by an Unmanned Aerial Vehicle. <i>IEEE Access</i> , 2021 , 9, 15872-15890	9
747	An Advanced Unmanned Aerial Vehicle (UAV) Approach via Learning-Based Control for Overhead Power Line Monitoring: A Comprehensive Review. <i>IEEE Access</i> , 2021 , 9, 130410-130433	3.5 2
746	Position Estimation of Small UAV from Monocular Camera by Using Matched Features. 2021 , 421-429	
745	Safeguarding Cluster Heads in UAV Swarm Using Edge Intelligence: Linear Discriminant Analysis-Based Cross-Layer Authentication. 2021 , 2, 1298-1309	3
744	Autonomous Quadrotor Navigation With Vision Based Obstacle Avoidance and Path Planning. <i>IEEE Access</i> , 2021 , 9, 102450-102459	3.5 6
743	Task Selection and Collision-Free Route Planning for Mobile Crowd Sensing Using Multi-Population Mean-Field Games. 2021 , 1-1	0
742	Architecture, Classification, and Applications of Contemporary Unmanned Aerial Vehicles. 2021 , 1-1	8
741	Blockchain-Based Smart Inventory. 2021 , 1107-1117	
740	Comparison and assessment of different object-based classifications using machine learning algorithms and UAVs multispectral imagery: a case study in a citrus orchard and an onion crop. 2021 , 54, 431-460	16

739	Optimization of UAV structure and evaluation of vibrational and fatigue characteristics through simulation studies. 2021 , 12, 17		
738	UAVs-UGV Leader Follower Formation Using Adaptive Non-Singular Terminal Super Twisting Sliding Mode Control. <i>IEEE Access</i> , 2021 , 9, 74385-74405	3.5	3
737	Planning the Future of Smart Cities With Swarms of Fully Autonomous Unmanned Aerial Vehicles Using a Novel Framework. <i>IEEE Access</i> , 2021 , 9, 6571-6595	3.5	17
736	Blockchain Towards Secure UAV-Based Systems. 2021 , 149-174		2
735	A New Frequency Hopping Signal Detection of Civil UAV Based on Improved K-Means Clustering Algorithm. <i>IEEE Access</i> , 2021 , 9, 53190-53204	3.5	0
734	Hemispherical InfraRed(IR) marker for reliable detection for autonomous landing on a moving ground vehicle from various altitude angles. 2021 , 1-1		
733	Line-of-Sight Probability for mmWave-Based UAV Communications in 3D Urban Grid Deployments. 2021 , 1-1		12
732	Monocular Ranging for Small Unmanned Aerial Systems in the Far-Field. 2021 ,		
731	Unlocking the Potential of 5G and Beyond Networks to Support Massive Access of Ground and Air Devices. 2021 , 1-1		2
730	RTT-based Rogue UAV Detection in IoV Networks. 2021 , 1-1		0
729	A Distributed Anticipatory Life- Enhancing Recovery Approach for Unmanned Aerial Vehicular Networks. 2021 ,		
728	Joint Communication Scheduling and Velocity Control in Multi-UAV-Assisted Sensor Networks: A Deep Reinforcement Learning Approach. 2021 , 1-1		5
727	A Multimodal AI-Leveraged Counter-UAV Framework for Diverse Environments. 2021 , 228-239		1
726	COVID-Based Edge-Drone Application Approach. 2021 , 169-179		0
725	Drone Detection and Classification Based on Radar Cross Section Signatures. 2021 ,		7
724	A Comparative Study on Application of Unmanned Aerial Vehicle Systems in Agriculture. 2021 , 11, 22		18
723	Multi-Tier Variable Height UAV Networks: User Coverage and Throughput Optimization. <i>IEEE Access</i> , 2021 , 9, 119684-119699	3.5	1
722	An Overview of Internet of Things Technology Applied on Precision Agriculture Concept. 2021 , 47-70		3

721	Dynamic Formation Reshaping Based on Point Set Registration in a Swarm of Drones. 2021 , 577-588		1
720	Performance comparison analysis of flattened Whitcomb winglet using computational fluid dynamics. 2021 ,		
719	UAVouch: A Secure Identity and Location Validation Scheme for UAV-Networks. <i>IEEE Access</i> , 2021 , 9, 82930-82946	3.5	3
718	Minimizing Energy Consumption in Wireless Rechargeable UAV Networks. 2021 , 1-1		1
717	SARDO: An Automated Search-and-Rescue Drone-based Solution for Victims Localization. 2021 , 1-1		7
716	Triangular Phase Shift Detector for Drone Precise Vertical Landing RF Systems. 2021 , 70, 1-8		2
715	A Comparative Flight Altitude Using Multi-Rotor UAV for Oil Palm Tree Counting. 620, 012006		
714	Survey of Security Protocols and Vulnerabilities in Unmanned Aerial Vehicles. <i>IEEE Access</i> , 2021 , 9, 46927-46948	3.5	1
713	Fully Onboard AI-powered Human-Drone Pose Estimation on Ultra-low Power Autonomous Flying Nano-UAVs. 2021 , 1-1		4
712	AI-enabled autonomous drones for fast climate change crisis assessment. 2021 , 1-1		1
711	An Optimal Three-Dimensional Drone Layout Method for Maximum Signal Coverage and Minimum Interference in Complex Pipeline Networks. 2021 , PP,		14
710	Reconfigurable Intelligent Surface Aided Multi-User Communications: State-of-the-Art Techniques and Open Issues. <i>IEEE Access</i> , 2021 , 9, 118584-118605	3.5	7
709	Shock and harmonic response analysis of UAV nose landing gear system with air damper. 2021 , 8, 1905231		1
708	Adversarial Attacks and Defenses for Deep Learning-based Unmanned Aerial Vehicles. 2021 , 1-1		9
707	A survey of prototype and experiment for UAV communications. 2021 , 64, 1		12
706	A Vehicle-Model-Aided Navigation Reconstruction Method for a Multicopter during a GPS Outage. 2021 , 10, 528		2
705	Future FANET with application and enabling techniques: Anatomization and sustainability issues. 2021 , 39, 100359		36
704	Sensors and Measurements for Unmanned Systems: An Overview. 2021 , 21,		16

703	SpyChain: A Lightweight Blockchain for Authentication and Anonymous Authorization in IoD. 2021 , 119, 343-362	6
702	Mission Specification and Execution of Multidrone Systems. 2021 ,	0
701	Blockchain-assisted secure UAV communication in 6G environment: Architecture, opportunities, and challenges. 2021 , 15, 1352-1367	20
700	Energy-Efficient Navigation of an Autonomous Swarm with Adaptive Consciousness. 2021 , 13, 1059	5
699	Towards Reliable UAV Swarm Communication in D2D-Enhanced Cellular Networks. 2021 , 20, 1567-1581	8
698	A column-and-row generation approach for the flying sidekick travelling salesman problem. 2021 , 124, 102913	16
697	FPGA prototyping of synchronized chaotic map for UAV secure communication. 2021 ,	
696	Systematic Tertiary Study for Consolidating further Implications of Unmanned Aircraft System Applications. 2021 , 37, 03120001	4
695	A Technical Study on UAV Characteristics for Precision Agriculture Applications and Associated Practical Challenges. 2021 , 13, 1204	33
694	On the End-to-End Latency of Cellular-Connected UAV Communications. 2021 ,	0
693	Adaptive Robust Trajectory Tracking Control of Multiple Quad-Rotor UAVs with Parametric Uncertainties and Disturbances. 2021 , 21,	9
692	Real-Time Wind Field Estimation and Pitot Tube Calibration Using an Extended Kalman Filter. 2021 , 9, 646	4
691	Robust fault diagnosis and fault-tolerant control for nonlinear quadrotor unmanned aerial vehicle system with unknown actuator faults. 2021 , 18, 172988142110027	4
690	Survey on Fire Fighting techniques using Unmanned Aerial Vehicles. 2021 ,	2
689	Trends, benefits, and barriers of unmanned aerial systems in the construction industry: a survey study in the United States. 2021 , 26, 84-111	6
688	RF Controlled Solar Based Robotic Drone. 2021 ,	
687	Evaluation of pilot and quadcopter performance from open-loop mission-oriented flight testing. 095441002098598	
686	RF-Based UAV Detection and Identification Using Hierarchical Learning Approach. 2021 , 21,	15

685	A Computer Vision Encyclopedia-Based Framework with Illustrative UAV Applications. 2021 , 10, 29	
684	An aerial robotic system for inventory of stockpile warehouses. 2021 , 3, e12396	2
683	Experimental Heat Loads for Electrothermal Anti-Icing and De-Icing on UAVs. 2021 , 8, 83	6
682	DNCS: New UAV navigation with considering the no-fly zone and efficient selection of the charging station. 2021 , 12, 3669-3669	2
681	Conceptual design of Wau Bulan UAV. 2021 , 1098, 062106	
680	FastUAV-NET: A Multi-UAV Detection Algorithm for Embedded Platforms. 2021 , 10, 724	7
679	. 2021 ,	0
678	Automatic Vehicle Counting and Tracking in Aerial Video Feeds using Cascade Region-based Convolutional Neural Networks and Feature Pyramid Networks. 2021 , 2675, 304-317	3
677	Recent Advances in Unmanned Aerial Vehicle Forest Remote Sensing: A Systematic Review. Part I: A General Framework. 2021 , 12, 327	21
676	Drone vs. Bird Detection: Deep Learning Algorithms and Results from a Grand Challenge. 2021 , 21,	20
675	Experimental Evaluation of a Wireless LAN Relay System Using Unmanned Aerial Vehicles. 2021 ,	
674	The Kuhn-Munkres algorithm for efficient vertical takeoff of UAV swarms. 2021 ,	1
673	Avionics of Aerial Robots. 2021 , 2, 113-124	1
672	Multi-unmanned aerial vehicle swarm formation control using hybrid strategy. 2021 , 43, 2689-2701	8
671	Merging relative sensing networks: A stability margin perspective. 2021 , 358, 3127-3149	2
670	. 2021 , 57, 1351-1360	3
669	Conceptualising and prototyping a decision support system for safer urban unmanned aerial vehicle operations. 1-21	1
668	A low-altitude public air route network for UAV management constructed by global subdivision grids. 2021 , 16, e0249680	4

667	A Particle Filtering Approach for Fault Detection and Isolation of UAV IMU Sensors: Design, Implementation and Sensitivity Analysis. 2021 , 21,	3
666	Seed Dispenser using Drones and Deep Learning Techniques for Reforestation. 2021 ,	
665	Video Quality and Latency for UAV Teleoperation over LTE: A Study with ns3. 2021 ,	1
664	Impact of Unmanned Aircraft Regulations on Autonomous Navigation Approaches for Indoor Multi-Rotor Applications Survey. 2021 ,	
663	. 2021 , 57, 907-918	1
662	Fault-Tolerant Control Design for Multirotor UAVs Formation Flight. 2021 , 12, 166-177	0
661	Application of a Drone Magnetometer System to Military Mine Detection in the Demilitarized Zone. 2021 , 21,	5
660	Semi-Autonomous UAV based Weather and Air Pollution Monitoring System. 2021 , 1921, 012091	0
659	Robust path tracking of a quadrotor using adaptive fuzzy terminal sliding mode control. 2021 , 110, 104763	15
658	Optimal Minimax Mobile Sensor Scheduling Over a Network. 2021 ,	
657	A computationally efficient adaptive robust control scheme for a quad-rotor transporting cable-suspended payloads. 095441002110136	3
656	A review on applications of rotary-wing unmanned aerial vehicle charging stations. 2021 , 18, 172988142110158	
655	Online flight path planning with flight time constraints for fixed-wing UAVs in dynamic environments. 2021 , ahead-of-print,	0
654	Multidrone Systems: More Than the Sum of the Parts. 2021 , 54, 34-43	1
653	Guidelines for the use of Unmanned Aerial Systems for fast photogrammetry-oriented mapping in emergency response scenarios. 2021 , 58, 102207	6
652	Embedded ArUco: a novel approach for high precision UAV landing. 2021 ,	2
651	A Novel Energy Aware Secure Internet of Drones Design: ESloD. 2021 ,	2
650	Towards a Model-Integrated Runtime Monitoring Infrastructure for Cyber-Physical Systems. 2021 ,	2

649	PinpointFly: An Egocentric Position-control Drone Interface using Mobile AR. 2021 ,	0
648	Research on the Key Technologies of Network Security-Oriented Situation Prediction. 2021 , 2021, 1-10	2
647	Efficient Immersive Surveillance of Inaccessible Regions using UAV Network. 2021 ,	1
646	Joint Optimization on Trajectory, Cache Placement, and Transmission Power for Minimum Mission Time in UAV-Aided Wireless Networks. 2021 , 10, 426	1
645	DEEP: A Vertical-Oriented Intelligent and Automated Platform for the Edge and Fog. 2021 , 59, 66-72	1
644	Efficient Placement of an Aerial Relay Drone for Throughput Maximization. 2021 , 2021, 1-11	6
643	Singularity-Free Quaternion Representation to Control a UGV-UAV Formation Performing Trajectory-Tracking Tasks. 2021 ,	
642	Controlling a formation of a MARV in backward movements with an UAV for inspection tasks**This work was supported by CNPq-Brazil and FAPES-ES, Brazil. 2021 ,	
641	A Review of Consensus-based Multi-agent UAV Applications. 2021 ,	0
640	Civil infrastructure data acquisition in urban environments based on multi-UAV mission. 2021 ,	
639	ReStAC-UAV-Borne Real-Time SGM Stereo Optimized for Embedded ARM and CUDA Devices. 2021 , 21,	2
638	A Genetic-Algorithm-Based Optimization Routing for FANETs. 2021 , 15, 697624	2
637	Task Selection and Route Planning for Mobile Crowd Sensing Using Multi-Population Mean-Field Games. 2021 ,	2
636	Detecting Spying Activities from the Sky via Deep Learning. 2021 ,	0
635	ECTSA: An Efficient Charging Time Scheduling Algorithm for Wireless Rechargeable UAV Network. 2021 ,	0
634	System for Leveling Landing Surface in Response to Changes in Quadcopter Posture. 2021 , 16, 155-163	1
633	Secure Intelligent Reflecting Surface Assisted UAV Communication Networks. 2021 ,	3
632	Lane Geometry, Compliance Levels, and Adaptive Geo-fencing in CORRDRONE Architecture for Urban Mobility. 2021 ,	0

631	Role and challenges of the use of UAV-aided WSN monitoring system in large-scale sectors. 2021 ,	1
630	Multiple Lane UAV Corridor Planning for Urban Mobility System Applications. 2021 ,	0
629	Flight Test Validation and Verification of the Novel LN Guidance for Unmanned Aerial Systems. 2021 ,	0
628	Energy-Efficiency Framework for Fixed-Wing UAV Communications With Variable Altitude. 2021 ,	
627	Opening a new era of investigating unreachable cliff flora using smart UAVs.	1
626	A Reinforcement Learning Algorithm for Data Collection in UAV-aided IoT Networks with Uncertain Time Windows. 2021 ,	
625	An autonomous drone for search and rescue in forests using airborne optical sectioning. 2021 , 6,	12
624	Control Methods for Quadrotor's Stability. 2021 , 1948, 012109	
623	How to extract energy from turbulence in flight by fast tracking. 2021 , 921,	0
622	Deep Q-Networks for Aerial Data Collection in Multi-UAV-Assisted Wireless Sensor Networks. 2021 ,	0
621	Aerial robotic technologies for civil engineering: established and emerging practice. 2021 , 9, 75-91	6
620	Dubins-Based Autolanding Procedure for Fixed-Wing UAS. 2021 ,	0
619	Model Predictive Sample-based Motion Planning for Unmanned Aircraft Systems. 2021 ,	
618	Mitigating latency problems in vision-based autonomous UAVs. 2021 ,	0
617	Towards a Service-Oriented U-Space Architecture for Autonomous Drone Operations. 2021 ,	0
616	A Collaborative Learning-Based Algorithm for Task Offloading in UAV-Aided Wireless Sensor Networks.	1
615	Networked Unmanned Aerial Vehicles for Surveillance and Monitoring: A Survey. 2021 , 13, 174	16
614	Collision Avoidance on Unmanned Aerial Vehicles Using Neural Network Pipelines and Flow Clustering Techniques. 2021 , 13, 2643	4

613	Revealing Safety Risks of Unmanned Aerial Vehicles in Construction. 036119812110171	1
612	Benchmark de control de la orientaci3n de un multirrotoꝛ en una estructura de rotaci3n con tres grados de libertad. 2021 , 18, 265	3
611	Blockchain-Based Solutions for Various Security Issues in UAV-Enabled IoT. 2021 , 143-158	
610	Safety Constrained Multi-UAV Time Coordination: A Bi-level Control Framework in GPS Denied Environment. 2021 ,	
609	Unmanned Aerial Vehicles: State-of-the-Art, Challenges and Future Scope. 2021 , 29-42	
608	Real Testbed for Autonomous Anomaly Detection in Power Grid Using Low-Cost Unmanned Aerial Vehicles and Aerial Imaging. 2021 , 28, 63-74	2
607	A novel resilient and reconfigurable swarm management scheme. 2021 , 194, 108119	3
606	Auto Relay Handover Method for Extended Star Topology UAV Networks. 2021 ,	
605	A Multi-Resolution Frontier-Based Planner for Autonomous 3D Exploration. 2021 , 6, 4528-4535	6
604	PSO-Based UAV Deployment and Dynamic Power Allocation for UAV-Enabled Uplink NOMA Network. 2021 , 2021, 1-17	3
603	Thermal Investigations of Air-Cooled PMSM used in Full-Electric UAV. 2021 ,	0
602	Swarm formation morphing for congestion-aware collision avoidance. 2021 , 7, e07840	2
601	Factors Influencing Adoption and Integration of Construction Robotics and Automation Technology in the US. 2021 , 147,	13
600	. 2021 , 26, 1914-1922	2
599	UAV Communications with Machine Learning: Challenges, Applications and Open Issues. 1	4
598	Neuroadaptive Observer-Based Fault-Diagnosis and Fault-Tolerant Control for Quadrotor UAV. 2021 ,	0
597	Spherical Fuzzy Inference Systems (S-FIS) to Control UAVs' Communication Technologies. 2022 , 459-496	1
596	Distributed energy-efficient and secure offloading in air-to-ground MEC networks. 2021 , 2021,	2

595	Blockchain for securing aerial communications: Potentials, solutions, and research directions. 2021 , 47, 101390	8
594	Efficient Maize Tassel-Detection Method using UAV based remote sensing. 2021 , 23, 100549	3
593	Design and implementation of a novel real-time unmanned aerial vehicle localization scheme based on received signal strength. e4350	1
592	Blockchain and 5G integrated softwarized UAV network management: Architecture, solutions, and challenges. 2021 , 47, 101355	9
591	Empirical Dynamic Modeling for Low-Altitude UAV Propagation Channels. 2021 , 20, 5171-5185	4
590	A Tactical Conflict Resolution Proposal for U-Space Zu Airspace Volumes. 2021 , 21,	3
589	Learning-Based Resilience Guarantee for Multi-UAV Collaborative QoS Management. 2021 , 122, 108166	2
588	Localization System for Lightweight Unmanned Aerial Vehicles in Inspection Tasks. 2021 , 21,	1
587	UAV-Assisted Free Space Optical Communication System With Amplify-and-Forward Relaying. 2021 , 70, 8926-8936	6
586	Estimation of Airspeed, Angle of Attack, and Sideslip for Small Unmanned Aerial Vehicles (UAVs) Using a Micro-Pitot Tube. 2021 , 10, 2325	2
585	Precision Landing for Low-Maintenance Remote Operations with UAVs. 2021 , 5, 103	1
584	A blockchain-based decentralized machine learning framework for collaborative intrusion detection within UAVs. 2021 , 196, 108217	8
583	An improved neural dynamics based approach with territorial mechanism to online path planning of multi-robot systems. 2021 , 12, 3561	0
582	Package Delivery Using Autonomous Drones in Skyways. 2021 ,	3
581	Autonomous Landing of Micro Unmanned Aerial Vehicles with Landing-Assistive Platform and Robust Spherical Object Detection. 2021 , 11, 8555	1
580	ICT-based integrated framework for smart facility management: an industry perspective. 2021 , ahead-of-print,	0
579	Insight of Unmanned Aerial Vehicles Accessing Ensemble Techniques. 2021 , 2, 1	
578	Analysis of the Possibility of Intellectualization of Algorithms for Estimating the Parameters of Dynamic Systems Based on Adaptive Model of Motion. 2022 , 589-600	1

577	Understanding Drone Landing on the Human Body. 2021 ,	0
576	Trajectory tracking control of quadrotor under variable payloads with model-free controller and sliding mode control technology. 2021 , ahead-of-print,	
575	UAV detection in airborne optic videos using dilated convolutions. 2021 , 50, 569	1
574	A newly bio-inspired path planning algorithm for autonomous obstacle avoidance of UAV. 2021 , 34, 199-209	6
573	Aerodynamic Performance of Propellers for Multirotor Unmanned Aerial Vehicles: Measurement, Analysis, and Experiment. 2021 , 2021, 1-11	1
572	Geographic Position based Hopless Opportunistic Routing for UAV networks. 2021 , 120, 102560	2
571	Unmanned aerial vehicle-enabled layered architecture based solution for disaster management. e4370	2
570	Advances of UAVs toward Future Transportation: The State-of-the-Art, Challenges, and Opportunities. 2021 , 1, 326-350	12
569	Energy-Constrained Delivery of Goods With Drones Under Varying Wind Conditions. 2021 , 22, 6048-6060	13
568	Recent developments on target tracking problems: A review. 2021 , 236, 109558	6
567	Distributed Reinforcement Learning for Flexible and Efficient UAV Swarm Control. 2021 , 7, 955-969	5
566	Machine learning-based physical layer security: techniques, open challenges, and applications. 2021 , 27, 5351	2
565	Resource management in UAV-assisted wireless networks: An optimization perspective. 2021 , 121, 102596	8
564	Performance analysis of SSK modulation for UAVs communication. 2021 , 31, 100375	1
563	Handover Experiments with UAVs. 2022 ,	0
562	A Comprehensive Overview on 5G-and-Beyond Networks With UAVs: From Communications to Sensing and Intelligence. 2021 , 39, 2912-2945	51
561	UAV Swarm Position Optimization for High Capacity MIMO Backhaul. 2021 , 39, 3006-3021	1
560	Robust Environmental Sensing Using UAVs. 2021 , 2, 1-20	

559	Jamming detection at the edge of drone networks using Multi-layer Perceptrons and Decision Trees. 2021 , 111, 107806		2
558	Non-contact structural displacement measurement using Unmanned Aerial Vehicles and video-based systems. 2021 , 160, 107869		10
557	Heritable variation in tree growth and needle vegetation indices of slash pine (<i>Pinus elliottii</i>) using unmanned aerial vehicles (UAVs). 2021 , 173, 114073		6
556	Assessing the impact of autonomy and overconfidence in UAV first-person view training. 2022 , 98, 103580		0
555	. <i>IEEE Access</i> , 2021 , 9, 69235-69266	3.5	30
554	UAV-aided Energy Efficient Edge Computing Networks: Security Offloading Optimization. 2021 , 1-1		5
553	Survey of Promising Technologies for Quantum Drones and Networks. <i>IEEE Access</i> , 2021 , 9, 125868-125914	3.5	6
552	Development of Non Expensive Technologies for Precise Maneuvering of Completely Autonomous Unmanned Aerial Vehicles. 2021 , 21,		2
551	Optimum Path Finding Framework for Drone Assisted Boat Rescue Missions. 2021 , 219-231		2
550	Design and analysis of 3D printed UAV wheel. 2021 , 46, 8307-8312		1
549	An Estimation Method for Arrival Time at the Farthest Point in Case of Optimal Deployment of Heterogeneous Multi-agent Problems. 2021 , 57, 245-252		
548	Multi-object Detection by Using CNN for Power Transmission Line Inspection. 2021 , 337-347		
547	. 2021 , 1-1		0
546	A Survey of Wireless Networks for Future Aerial Communications (FACOM). 2021 , 1-1		12
545	. <i>IEEE Access</i> , 2021 , 9, 41184-41217	3.5	5
544	Design and Analysis of Aerial-Terrestrial Network: A Joint Solution for Coverage and Rate. <i>IEEE Access</i> , 2021 , 9, 81855-81870	3.5	3
543	Detection of Malicious UAV in Airspace. 2021 ,		
542	DronePort: Smart Drone Battery Management System. 2021 , 14-26		

541	Cognitive UAV-Aided URLLC and mMTC Services: Analyzing Energy Efficiency and Latency. <i>IEEE Access</i> , 2021 , 9, 5011-5027	3.5	7
540	Unmanned Aerial Vehicles Flight Safety Improvement Using In-Flight fd. 2021 , 13, 97-123		2
539	3D Location Oriented Routing in Flying Ad-Hoc Networks for Information Dissemination. <i>IEEE Access</i> , 2021 , 1-1	3.5	6
538	Multi-UAV Trajectory Optimization Considering Collisions in FSO Communication Networks. 2021 , 1-1		2
537	. 2021 , 2, 836-886		75
536	Blockchain-Empowered Trusted Networking for Unmanned Aerial Vehicles in the B5G Era. 2021 , 35, 72-77		9
535	Autonomous task allocation for multi-UAV systems based on area-restricted search behavior in animals. 2021 , 191, 246-253		
534	Classification of an Agrosilvopastoral System Using RGB Imagery from an Unmanned Aerial Vehicle. 2019 , 248-257		3
533	Towards Automatic UAV Path Planning in Agriculture Oversight Activities. 2020 , 22-30		1
532	Approach to UAV Swarm Control and Collision-Free Reconfiguration. 2021 , 81-92		2
531	UAVs for traffic monitoring: A sequential game-based computation offloading/sharing approach. 2020 , 177, 107273		16
530	Fast Hildreth-based Model Predictive Control of Roll Angle for a Fixed-Wing UAV. 2020 , 53, 5757-5763		1
529	Configurations, flight mechanisms, and applications of unmanned aerial systems: A review. 2020 , 121, 100694		13
528	Cooperative relative navigation for multi-UAV systems by exploiting GNSS and peer-to-peer ranging measurements. 2021 , 15, 21-36		8
527	Downlink Transmit Power Control in Ultra-Dense UAV Network Based on Mean Field Game and Deep Reinforcement Learning. 2020 , 69, 15594-15605		19
526	UAV Path Planning under Dynamic Threats Using an Improved PSO Algorithm. 2020 , 2020, 1-17		10
525	Applications of UAV Thermal Imagery in Precision Agriculture: State of the Art and Future Research Outlook. 2020 , 12, 1491		64
524	Measurement-Based Large Scale Statistical Modeling of Air-to-Air Wireless UAV Channels via Novel Time-Frequency Analysis. 2021 , 1-1		1

523	IoT-Based Smart Agriculture and Poultry Farms for Environmental Sustainability and Development. 2022 , 379-406	1
522	Geometry-aware Compensation Scheme for Morphing Drones. 2021 ,	5
521	MAD for FANETs: Movement Assisted Delivery for Flying Ad-hoc Networks. 2021 ,	0
520	A Multi-Task Online Monitoring System for UAV. 2021 ,	
519	Cooperative UWB-Based Localization for Outdoors Positioning and Navigation of UAVs aided by Ground Robots. 2021 ,	0
518	REPlanner: Efficient UAV Trajectory-Planning using Economic Reinforcement Learning. 2021 ,	3
517	The Learning Stimulated Sensing-Transmission Coordination via Age of Updates in Distributed UAV Swarm (Invited Paper). 2021 ,	
516	Broadband Achromatic Metasurfaces for Longwave Infrared Applications. 2021 , 11,	2
515	Evaluation of design criteria for mini unmanned aircraft systems (UAS) applications. 2021 , ahead-of-print,	
514	Risk Assessment for the Use of Drones in Warehouse Operations in the First Phase of Introducing the Service to the Market. 2021 , 21,	8
513	QoS-aware dynamic controller implantation over vSDN-enabled UAV networks for real-time service delivery. 2021 ,	2
512	Prototype Development of Cross-Shaped Microphone Array System for Drone Localization Based on Delay-and-Sum Beamforming in GNSS-Denied Areas. 2021 , 5, 123	1
511	CNN-SSDI: Convolution neural network inspired surveillance system for UAVs detection and identification. 2021 , 201, 108519	3
510	UAV-Assisted Data Collection in Wireless Sensor Networks: A Comprehensive Survey. 2021 , 10, 2603	5
509	Two-Layer Optimization Algorithm for Multi-UAV Conflict Resolution considering Individual Fairness. 2021 , 2021, 1-21	
508	Barriers to scholarly publishing among library and information science researchers: International perspectives. 026666692110525	2
507	A Critical Review of Unmanned Aerial Vehicles (UAVs) Use in Architecture and Urbanism: Scientometric and Bibliometric Analysis. 2021 , 11, 9966	7
506	A bipedal walking robot that can fly, slackline, and skateboard. 2021 , 6, eabf8136	12

505	Guidance, Navigation, and Control for Fixed-Wing UAV. 2021 , 2021, 1-18	0
504	An improved ant colony optimization algorithm for unmanned surface vehicle local path planning with multi-modality constraints. 2021 , 241, 109890	19
503	UAV Detection: A STDP Trained Deep Convolutional Spiking Neural Network Retina-Neuromorphic Approach. 2019 , 724-736	4
502	Aerial Surveyor Robot for Nanosat Imaging Payload Design. 2020 , 234-249	
501	Placement Optimization of Surveillance Cameras: Visibility Analysis. 2020 , 109-121	
500	Deep Reinforcement Learning for Real-Time Trajectory Planning in UAV Networks. 2020 ,	3
499	Robust mission planning of UAV networks for environmental sensing. 2020 ,	6
498	Distributed reinforcement learning for flexible UAV swarm control with transfer learning capabilities. 2020 ,	6
497	Joint Access and Backhaul Link Optimization in Multiple UAV-Assisted Emergency Network. 2020 ,	1
496	5 GHz UAV Array Antenna Design with a 3D Reconfigurable Feeding Network for Wide Elevation Coverage. 2020 , 31, 688-692	1
495	Analyzing the Viability of UAV Missions Facing Cyber Attacks. 2021 ,	
494	Unmanned Aircraft Systems and the Nordic Challenges. 2022 , 1-30	0
493	Review of Some Applications of Unmanned Aerial Vehicles Technology in the Resource-Rich Country. 2021 , 11, 10171	7
492	Attitude stability control of UAV gyroscope based on neural statistics for smart cities. 1	
491	Major Influencing Factors of Decision About Alternative Technical Means in Selected Aviation Services. 2020 , 583-593	
490	UAV Detection and Identification. 2020 , 71-102	
489	Development and Experiment of Elastic-rope Launcher for Small Fixed-wing UAVs. 2020 ,	0
488	A UAV-enabled Dynamic Multi-Target Tracking and Sensing Framework. 2020 ,	6

487	Study and Assembly of Quadrotor UAV for the Inspection of the Cellular Networks Relays. 2021 , 659-668	1
486	Implementation Methods for SDN Controllers in a UAV Network. 2020 , 8, 23-34	2
485	UAV-Assisted Cellular System: Offloading Strategy and Bandwidth Allocation. 2020 ,	0
484	Leveraging the Technology of Unmanned Aerial Vehicles for Developing Countries. 2020 , 111, 139-148	0
483	A Survey of Cyberattack Countermeasures for Unmanned Aerial Vehicles. <i>IEEE Access</i> , 2021 , 1-1	3.5 5
482	UAVs for Industrial Applications: Identifying Challenges and Opportunities from the Implementation Point of View. 2021 , 55, 183-190	4
481	Computer Vision for Autonomous UAV Flight Safety: An Overview and a Vision-based Safe Landing Pipeline Example. 2022 , 54, 1-37	6
480	Simulation and experimental approach for optimal path planning of UAV using A* and MEA* algorithms. 2021 , 12, 24	
479	Analysis of Multimodal Information for Multi-robot System. 2020 , 148-155	
478	Aerial Power Lines Measurement Using Computer Vision Through an Unmanned Aerial Vehicle. 2020 , 517-530	
477	Intelligent Unmanned Aerial Vehicle Technology in Urban Environments. 2020 , 345-359	1
476	Structures and Deployments of a Flying Network Using Tethered Multicopters for Emergencies. 2020 , 28-38	2
475	Deep Learning for Unmanned Aerial Vehicle-Based Object Detection and Tracking: A Survey. 2021 , 2-35	13
474	Design and PoC Implementation of Mmwave-Based Offloading-Enabled UAV Surveillance System. 2021 , 1-1	1
473	On the Efficacy of Model-Based Attack Detectors for Unmanned Aerial Systems. 2020 ,	1
472	Design, Modelling and Control of an Eight-Rotors UAV with Asymmetric Configuration for Use in Remote Sensing Systems.	0
471	Automatic Insulator String and Disk Detection in Aerial Images Based on a Deep Learning Approach. 2022 , 80-89	
470	Airspace Object Detection Above the Guarded Area Using Segmentation Neural Network. 2022 , 283-292	

- 469 Comparative study of fault estimation for 3-DOF helicopter. **2020**, 2
- 468 A Smart Cablebot for Spectral Imaging and Micro-climate measurements inside Greenhouses. **2020**,
- 467 Multi-scale Flight Path Planning for UAS Building Inspection. **2021**, 1069-1085 2
- 466 Using Multi-UAV for Rescue Environment Mapping: Task Planning Optimization Approach. **2021**, 507-517 2
- 465 Deep Learning for Medicine and Remote Sensing: A Brief Review. **2020**, 7, 280-288 2
- 464 Onboard Real-time Object Detection for UAV with Embedded NPU. **2021**,
- 463 A run in the wind: favorable winds make the difference in drone delivery. **2021**, 2
- 462 PSO-based Optimization of Formation Control and Obstacle Avoidance for Multiple Quadrotors. **2021**,
- 461 A Smart Radar Signal Processing Solution for Ground-Based UAVs Surveillance. **2021**,
- 460 Fractional Order Fast Terminal Sliding Mode Controller Design with Finite-Time Convergence: Application to Quadrotor UAV. **2021**,
- 459 Robust Composition of Drone Delivery Services under Uncertainty. **2021**, 3
- 458 Overview of the Nordic Challenges for Unmanned Aircraft Systems. **2021**, 0
- 457 . **2021**, 0
- 456 Collision Avoidance Control for Connected Drones in Air-Intersections : Extended Abstract. **2021**,
- 455 Review On Application Of Drone Systems In Agriculture. **2021**,
- 454 A Frequency Domain Direction of Arrival Estimation Algorithm for UAV Remote-control Signal. **2021**,
- 453 A Soft Drone with Multi-modal Mobility for the Exploration of Confined Spaces. **2021**, 1
- 452 Secrecy Energy Efficiency Maximization for UAV Enabled Communication Systems. **2021**, 0

451	Protocolo para el uso de vehículos aéreos no tripulados en la inspección de edificios agroindustriales. 2021 , 73, e421	0
450	MP-RRT#: a Model Predictive Sampling-based Motion Planning Algorithm for Unmanned Aircraft Systems. 2021 , 103,	1
449	Acceleration-Aware Path Planning with Waypoints. 2021 , 5, 143	0
448	Design and Simulation of Smart Communication System for Unmanned Aerial Vehicles. 2021 , 15, 89-94	
447	A Detailed Survey and Future Directions of Unmanned Aerial Vehicles (UAVs) with Potential Applications. 2021 , 8, 363	9
446	Design and Experiment of a Deformable Bird-inspired UAV Perching Mechanism. 2021 , 18, 1304	2
445	Unmanned aerial systems in search and rescue applications with their path planning: a review. 2021 , 2115, 012020	2
444	A PUF-based lightweight authentication and key agreement protocol for smart UAV networks.	3
443	An Extended Methodology for Sizing Solar Unmanned Aerial Vehicles: Theory and Development of a Python Framework for Design Assist. 2021 , 21,	1
442	Automated Data Annotation for 6-DoF AI-Based Navigation Algorithm Development. 2021 , 7,	1
441	A Framework for Multi-UAV Persistent Search and Retrieval with Stochastic Target Appearance in a Continuous Space. 2021 , 103, 1	
440	Robust trajectory planning for UAV communication systems in the presence of jammers. 2021 ,	2
439	Vehicle Design in Aerial Robotics. 2021 , 2, 415	
438	The Use of Unmanned Aerial Vehicles for Dynamic Site Layout Planning in Large-Scale Construction Projects. 2021 , 11, 602	8
437	Closing Connectivity Gap: An Overview of Mobile Coverage Solutions for Not-Spots in Rural Zones. 2021 , 21,	2
436	UAV Placement and Trajectory Design Optimization: A Survey. 1	2
435	Overview of Mean Field Games in Wireless Networks. 2021 , 1-21	
434	Classification of Bird and Drone Targets Based on Motion Characteristics and Random Forest Model Using Surveillance Radar Data. <i>IEEE Access</i> , 2021 , 9, 160135-160144	3.5 2

433	Top-k Dynamic Service Composition in Skyway Networks. 2021 , 479-495	0
432	Mean Field Game Applications in Ultra-Dense 5G, 6G, and Beyond Wireless Networks. 2021 , 83-111	0
431	A Literature Survey of Unmanned Aerial Vehicle Usage for Civil Applications. 13,	0
430	Super-Resolution Algorithm Applied in the Zoning of Aerial Images. 2021 , 346-359	
429	Anti-collision Technologies for Unmanned Aerial Vehicles: Recent Advances and Future Trends. 2021 , 1-1	4
428	Heuristic Drone Pathfinding Over Optimized Charging Station Grid. <i>IEEE Access</i> , 2021 , 9, 164070-164089	3.5 2
427	A Survey on Spectrum Management for Unmanned Aerial Vehicles (UAVs). <i>IEEE Access</i> , 2021 , 1-1	3.5 5
426	Multi-Uav Cooperative System for Search and Rescue Based on Yolov5.	
425	6G technology development vision and terahertz communication. 2021 , 70, 244303	0
424	Scheduling a Fleet of Drones for Monitoring Missions With Spatial, Temporal, and Energy Constraints. 2022 , 1-13	1
423	Flood Detection Using Real-Time Image Segmentation from Unmanned Aerial Vehicles on Edge-Computing Platform. 2022 , 14, 223	3
422	UAV caching in 6G networks: A Survey on models, techniques, and applications. 2022 , 51, 101532	4
421	Physics-Aware Processing of Rotational Micro-Doppler Signatures for DBN-Based UAS Classification Radar. 2020 ,	1
420	Extending the Multiple Traveling Salesman Problem for Scheduling a Fleet of Drones Performing Monitoring Missions. 2020 ,	2
419	Development of Autonomous UAV Quadcopters using Pixhawk Controller and Its Flight Data Acquisition. 2020 ,	1
418	A Game-Theoretic Drone-as-a-Service Composition for Delivery. 2020 ,	6
417	Balanced Multi-Region Coverage Path Planning for Unmanned Aerial Vehicles. 2020 ,	1
416	Real-Time Powerline Detection System for an Unmanned Aircraft System. 2020 ,	4

415	Multiple UAV based Spatio-Temporal Task Assignment using Fast Elitist Multi Objective Evolutionary Approaches. 2020 ,	
414	A Self-deployment Algorithm for Flying Ad Hoc Networks (FANETs) towards Low Probability of Detection Coverage in Directional Antennas. 2020 ,	
413	A heterogeneous tactical cloud architecture for emergency services search and rescue operations. 2020 ,	2
412	Towards Active Vision with UAVs in Marine Search and Rescue: Analyzing Human Detection at Variable Altitudes. 2020 ,	5
411	Machine Learning-Assisted UAV Operations with the UTM: Requirements, Challenges, and Solutions. 2020 ,	2
410	Transmit Beamforming Algorithm of Multi-UAV Based on Particle Swarm optimization. 2020 ,	
409	MAV-DTLS toward Security Enhancement of the UAV-GCS Communication. 2020 ,	1
408	Deep Learning based Efficient Trajectory Planning and Sharing for Aerial Cells in mMTC Networks. 2021 ,	
407	Design of Sliding Mode Controllers for Quadrotor Vehicles via Flatness-based Feedback and Feedforward Linearization Strategies. 2021 ,	
406	Semantically Informed Next Best View Planning for Autonomous Aerial 3D Reconstruction. 2021 ,	
405	Efficient Wireless Static Chargers Deployment for UAV Networks. 2021 ,	0
404	Person localization and distance determination using the raycast method. 2021 ,	
403	Connectivity and Safety Analysis of Large Scale UAV Swarms: Based on Flight Scheduling. 2021 ,	2
402	Heuristic Guided Artificial Potential Field for Avoidance of Small Obstacles.	
401	Test Bench for Regenerative Braking UAVs to Maximize Efficiency. 2021 ,	0
400	3D position estimation of drone and object based on QR code segmentation model for inventory management automation. 2021 ,	1
399	Performance Comparison of Convolutional Neural Network Models for Object Detection in Tethered Balloon Imagery. 2021 ,	
398	Track Boosting and Synthetic Data Aided Drone Detection. 2021 ,	3

397	Blockchain Technology and Machine Learning for Fake News Detection. 2022 , 161-173	1
396	Urban Traffic Monitoring and Analysis Using Unmanned Aerial Vehicles (UAVs): A Systematic Literature Review. 2022 , 14, 620	4
395	Resilient UAV Swarm Communications With Graph Convolutional Neural Network. 2022 , 40, 393-411	2
394	Winter Wheat Nitrogen Estimation Based on Ground-Level and UAV-Mounted Sensors.. 2022 , 22,	0
393	On Active Vibration Absorption in Motion Control of a Quadrotor UAV. 2022 , 10, 235	2
392	UAV Icing: Experimental and Numerical Study of Glaze Ice Performance Penalties on an RG-15 Airfoil. 2022 ,	0
391	Automation and Robotics Technologies Deployment Trends in Construction. 2022 , 1-30	0
390	Two-phase multi-expert knowledge approach by using fuzzy clustering and rule-based system for technology evaluation of unmanned aerial vehicles. 2022 , 34, 5479	0
389	Reservation-Based 3D Intersection Traffic Control System for Autonomous Unmanned Aerial Vehicles. 2022 , 11, 309	
388	DroneSegNet: AI-driven Robust Aerial Semantic Segmentation for IoT Applications. 2022 , 1-1	1
387	Analysis on security-related concerns of unmanned aerial vehicle: attacks, limitations, and recommendations.. 2022 , 19, 2641-2670	6
386	Autonomous Drones for Medical Assistance Using Reinforcement Learning. 2022 , 133-156	0
385	Flight Test Validation of Real-Time UAS Mission Planning Autonomy and Optimal Path Planning for Flight Line Surveys. 2022 ,	
384	QoS-Aware Multilayer UAV Deployment to Provide VoWiFi Service over 5G Networks. 2022 , 2022, 1-13	1
383	Convolutional neural-network-based automatic dam-surface seepage defect identification from thermograms collected from UAV-mounted thermal imaging camera. 2022 , 323, 126416	2
382	Teleoperation methods and enhancement techniques for mobile robots: A comprehensive survey. 2022 , 150, 103973	2
381	DroneTalk: An Internet-of-Things-Based Drone System for Last-Mile Drone Delivery. 2022 , 1-14	2
380	RUAM-IoD: A Robust User Authentication Mechanism for the Internet of Drones. <i>IEEE Access</i> , 2022 , 1-1	3.5 2

- 379 Full-Duplex Aerial Communication System for Multiple UAVs with Directional Antennas. **2022**, 1-12 0
- 378 Propagation Characteristics of 920 MHz band LPWA for Inspections of Power Transmission Lines Using UAVs. **2022**, 1-12 0
- 377 Bayesian Modeling of Crowd Dynamics by Aggregating Multiresolution Observations From UAVs and UGVs. **2022**, 1-12 0
- 376 Acoustic detection of unmanned aerial vehicles using biologically inspired vision processing.. **2022**, 151, 968 1
- 375 Resource optimization in UAV-assisted wireless networks: A comprehensive survey. **2022**, 1-12 2
- 374 Investigation on Surface Roughness of PolyJet-Printed Airfoil Geometries for Small UAV Applications. **2022**, 9, 82 0
- 373 SETCAP: Service-Based Energy-Efficient Temporal Credential Authentication Protocol for Internet of Drones. **2022**, 206, 108804 0
- 372 Evolution of Unmanned Aerial Vehicles (UAVs) with Machine Learning. **2021**, 1-12 0
- 371 Altitude Control of Quadcopters with Absolute Stability Analysis. **2022**, 1-12 0
- 370 SAMA: Security-Aware Monitoring Approach for Location Abusing and UAV GPS-Spoofing Attacks on Internet of Vehicles. **2022**, 343-360 0
- 369 Drone Usage in Delivery of Vaccines in Indian Scenario. **2022**, 141-153 0
- 368 Ground Experiment of Full-Duplex Multi-UAV System Enabled by Directional Antennas. **2022**, 1-12 0
- 367 Cluster-Based Routing Protocols for Flying Ad Hoc Networks (FANETs). *IEEE Access*, **2022**, 10, 32981-33004 0
- 366 Collaborative Route Planning and Dwell Time Allocation for Multi-target Tracking in UAV Radar System. **2022**, 2724-2733 0
- 365 Reinforcement Learning-based Trajectory Optimization for Data Muling with Underwater Mobile Nodes. *IEEE Access*, **2022**, 1-1 3.5 1
- 364 Federated Learning with Blockchain Assisted Image Classification for Clustered UAV Networks. **2022**, 72, 1195-1212 0
- 363 Cellular Base Station Imaging for UAV Detection. *IEEE Access*, **2022**, 10, 24843-24851 3.5
- 362 Aerial Intelligent Reflecting Surface Enabled Terahertz Covert Communications in Beyond-5G Internet of Things. **2022**, 1-1 6

- 361 Printed Dipole Antenna Array With Reconfigurable Feeding Network for Wide Elevation Angle of U2X Communications. *IEEE Access*, **2022**, 1-1 3.5 1
- 360 Control Design for a multi-rotor VTOL enhanced by a Gradient Descent algorithm to optimize the position tracking. **2022**,
- 359 Internet of UAV Mounted RFID for Various Applications Using LoRa Technology: A Comprehensive Survey. **2022**, 369-380 1
- 358 Impact of Routing Techniques and Mobility Models on Flying Ad Hoc Networks. **2022**, 111-129 0
- 357 Empirical Mode Decomposition (EMD) for Platform Motion Compensation in Remote Life Sensing Radar. **2022**,
- 356 V3 - A Gesture Controlled Drone. **2022**,
- 355 Low-Altitude Sensing of Urban Atmospheric Turbulence with UAV. **2022**, 6, 61 0
- 354 Precise Motion Control of a Power Line Inspection Robot Using Hybrid Time Delay and State Feedback Control.. **2022**, 9, 746991 2
- 353 Cooperative Motion Planning for Multiple UAVs via the Bézier Curve Guided Line of Sight Techniques. **2022**, 0
- 352 High-performance intrusion detection system for networked UAVs via deep learning. 1 5
- 351 Modelling and Simulation of Collaborative Surveillance for Unmanned Traffic Management.. **2022**, 22, 1
- 350 The Effect of Rainfall on the UAV Placement for 5G Spectrum in Malaysia. **2022**, 11, 681 0
- 349 Design and Implementation of Sensor Platform for UAV-Based Target Tracking and Obstacle Avoidance. **2022**, 6, 89 2
- 348 Handling of resource allocation in flying ad hoc network through dynamic graph modeling. 1 3
- 347 AI-Based Rotation Aware Detection of Aircraft and Identification of Key Features for Collision Avoidance Systems (SAE Paper 2022-01-0036).
- 346 Global Energy Consumption Optimization for UAV Swarm Topology Shaping. **2022**, 15, 2416 1
- 345 Control Strategies for Landing Quadcopters on Ships with Legged Platform Based on Impedance Control. **2022**, 17, 48-57
- 344 Distributed time-varying formation tracking of multi-quadrotor systems with partial aperiodic sampled data. **2022**, 108, 2263

343	A Novel Multiport DC-DC Converter for Enhancing the Design and Performance of BatterySupercapacitor Hybrid Energy Storage Systems for Unmanned Aerial Vehicles. 2022 , 12, 2767	1
342	UWB and IMU-Based UAV's Assistance System for Autonomous Landing on a Platform.. 2022 , 22,	1
341	Interpolated reference model based fault tolerant sliding mode control for an octorotor. 2022 , 16, 649-662	0
340	Automated Aerial Docking System Using Onboard Vision-Based Deep Learning. 1-16	1
339	Real-Time Directed Rapidly Exploring Random Tree Path Planning for Air Collision Avoidance. 1-15	1
338	UAV-assisted real-time evidence detection in outdoor crime scene investigations.. 2022 ,	0
337	Unmanned Aircraft Vehicles in Construction and Engineering Higher Education Programs. 2022 ,	1
336	Worker Safety and Health Activity Monitoring in Construction Using Unmanned Aerial Vehicles and Deep Learning. 2022 ,	
335	A Relative Coordinate-Based Topology Shaping Method for UAV Swarm with Low Computational Complexity. 2022 , 12, 2631	1
334	Optimising Land Consolidation by Implementing UAV Technology. 2022 , 14, 4412	3
333	Formation control of unmanned aerial vehicle swarms: A comprehensive review.	2
332	Design Knowledge for Deep-Learning-Enabled Image-Based Decision Support Systems. 1	0
331	Coordinated routing system for fire detection by patrolling trucks with drones. 2022 , 73, 102859	1
330	Investigation on vulnerabilities, threats and attacks prohibiting UAVs charging and depleting UAVs batteries: Assessments & countermeasures. 2022 , 129, 102805	0
329	Cloud DEVS-based computation of UAVs trajectories for search and rescue missions. 1-17	0
328	A review of GNSS-independent UAV navigation techniques. 2022 , 152, 104069	5
327	Locating platforms and scheduling a fleet of drones for emergency delivery of perishable items. 2022 , 168, 108057	1
326	UAV based long range environment monitoring system with Industry 5.0 perspectives for smart city infrastructure. 2022 , 168, 108066	5

- 325 Task assignment algorithms for unmanned aerial vehicle networks: A comprehensive survey. **2022**, 35, 100469 0
- 324 Online Trajectory Planning Strategy for UAV in Dynamic Threats Based on Bug-Rapidly-exploring Random Tree Algorithm. **2021**, 1
- 323 Chimera: exploiting UAS flight path information to optimize heterogeneous data transmission. **2021**,
- 322 UAV Detection using Web Application Approach based on SSD Pre-Trained Model. **2021**,
- 321 Simulation of Remote Control of a Hexacopter with Force Feedback in Semi-structured Environments. **2021**,
- 320 Comparison of Agricultural Drones and Challenges in Implementation: A Review. **2021**, 0
- 319 Blur the Eyes of UAV: Effective Attacks on UAV-based Infrastructure Inspection. **2021**, 1
- 318 Communication Channels in FANET. **2022**, 11-40
- 317 Sensor Data-Driven UAV Anomaly Detection using Deep Learning Approach. **2021**, 1
- 316 Power-Efficient Wireless Coverage Using Minimum Number of UAVs.. **2021**, 22, 3
- 315 Accelerating Power Grid Monitoring with Flying Robots and Artificial Intelligence. **2021**, 5, 48-54 2
- 314 Communication Technologies Enabling Effective UAV Networks: A Standards Perspective. **2021**, 5, 33-40 1
- 313 V2X-based COVID-19 Pandemic Severity Reduction in Smart Cities. **2021**, 0
- 312 Spectrum Regulation in the Airborne era: The Viewpoint of UAS-Based Services in 5G. **2021**, 0
- 311 FlyNet. **2021**,
- 310 Holodeck: Immersive 3D Displays Using Swarms of Flying Light Specks [Extended Abstract]. **2021**,
- 309 Security Threats and Countermeasures of Unmanned Aerial Vehicle Communications. **2021**, 5, 41-47 4
- 308 Blockchain-Envisioned Unmanned Aerial Vehicle Communications in Space-Air-Ground Integrated Network: A Review. **2021**, 2, 277-294 2

307	Reinforcement Learning Method for Autonomous UAVs Monitoring an Uncertain Target. 2021 ,		0
306	Service-Based Drone Delivery. 2021 ,		2
305	An Unequal Error Protection Scheme of H.265 Video Stream in Unmanned Aerial Vehicle System. 2021 ,		
304	Evaluating Softwarization Gains in Drone Networks. 2021 ,		1
303	Field Robotics: Applications and Fundamentals. 2021 , 33, 1216-1222		1
302	Reduced Simulation: Real-to-Sim Approach toward Collision Detection in Narrowly Confined Environments. 2021 , 10, 131		1
301	A novel non-singular terminal sliding mode control combined with integral sliding surface for perturbed quadrotor. 2022 , 236, 999-1009		3
300	Tracking Unmanned Aerial Vehicles Based on the Kalman Filter Considering Uncertainty and Error Aware. 2021 , 10, 3067		
299	On Learning Multi-UAV Policy for Multi-Object Tracking and Formation Control. 2021 ,		
298	Distributed multi-UAV cooperation for dynamic target tracking optimized by an SAQPSO algorithm.. 2021 ,		1
297	Priority Based Adaptive MAC Protocol for UAV Ad Hoc Networks. 2021 ,		
296	A Hybrid Deep Learning Model for UAVs Detection in Day and Night Dual Visions. 2021 ,		
295	Livestock Management with Unmanned Aerial Vehicles: A Review. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
294	A robust transition control law for a QuadPlane. 2022 ,		1
293	Numerical Evaluation of Riblet Drag Reduction on a MALE UAV. 2022 , 9, 218		0
292	Microservices for autonomous UAV inspection with UAV simulation as a service. 2022 , 102548		2
291	Multi-UAV cluster-based cooperative navigation with fault detection and exclusion capability. 2022 , 107570		1
290	Emerging UAV technology for disaster detection, mitigation, response, and preparedness.		2

- 289 Non-Terrestrial Networks-Enabled Internet of Things: UAV-Centric Architectures, Applications, and Open Issues. **2022**, 6, 95 1
- 288 Drone routing problem model for last-mile delivery using the public transportation capacity as moving charging stations.. **2022**, 12, 6361 1
- 287 HP-DF SSK Method for UAVs Communication in Cooperative Multi-hop Rician Networks. **2022**, 1-1
- 286 On the Performance of Mobile Cellular-Connected Drones Under Practical Antenna Configurations. **2022**, 1-1
- 285 Extracting Unambiguous Drone Signature Using High-Speed Camera. *IEEE Access*, **2022**, 10, 45317-45336, 5 0
- 284 What Will the Future of UAV Cellular Communications Be? A Flight from 5G to 6G. **2022**, 1-1 9
- 283 Nonlinear Control Design for an Unmanned Aerial Vehicle for Path Following. **2022**, 55, 592-597 0
- 282 UAVs Path Planning by Particle Swarm Optimization Based on Visual-SLAM Algorithm. **2022**, 169-197 0
- 281 Unmanned Aerial Vehicles (UAVs) and Artificial Intelligence (AI) in Fire related Disaster Recovery: Analytical Survey Study. **2022**,
- 280 An Overview of Internet of Things Technology Applied on Precision Agriculture Concept. **2022**, 492-515
- 279 Measurements of Electromagnetic Emission inside Industrial Unmanned Aerial Vehicles. **2022**, 0
- 278 Path Planning of Unmanned Aerial Vehicles (UAVs) in Windy Environments. **2022**, 6, 101 4
- 277 Uncovering interrelationships between barriers to unmanned aerial vehicles in humanitarian logistics. 1 0
- 276 Cross-Layer Optimization Spatial Multi-Channel Directional Neighbor Discovery with Random Reply in mmWave FANET. **2022**, 11, 1566 1
- 275 Metrological Validation of Pixhawk Autopilot Magnetometers in Helmholtz Cage. **2022**, 13, 85
- 274 UAV Mapping and 3D Modeling as a Tool for Promotion and Management of the Urban Space. **2022**, 6, 115 0
- 273 Sustainable Transport and Mobility Oriented Innovative Startups and Business Models. **2022**, 14, 5519 1
- 272 An effective data routing for dynamic area coverage using multi-drone network. 1

- 271 Effective Remote Sensing from the Internet of Drones through Flying Control with Lightweight Multitask Learning. **2022**, 12, 4657
- 270 A tutorial on AI-powered 3D deployment of drone base stations: State of the art, applications and challenges. **2022**, 100474 2
- 269 Deep Learning-Aided Downlink Beamforming Design and Uplink Power Allocation for UAV Wireless Communications with LoRa. **2022**, 12, 4826
- 268 A compendium of radio resource management in UAV-assisted next generation computing paradigms. **2022**, 131, 102844 0
- 267 Multi-UAV cooperative system for search and rescue based on YOLOv5. **2022**, 76, 102972 2
- 266 Agile Formation Control of Drone Flocking Enhanced With Active Vision-Based Relative Localization. **2022**, 7, 6359-6366 1
- 265 A comparative study on Ant Colony Optimization algorithm approaches for solving multi-objective path planning problems in case of unmanned surface vehicles. **2022**, 255, 111418 3
- 264 Blockchain-Enabled Federated Learning for UAV Edge Computing Network: Issues and Solutions. *IEEE Access*, **2022**, 1-1 3.5 1
- 263 Error Performance of Magic Square Based Generalized SM for UAV Communication. **2021**,
- 262 A Survey on the Convergence of Edge Computing and AI for UAVs: Opportunities and Challenges. **2022**, 1-1 8
- 261 An Edge-Based Disjoint Path Selection Scheme for FANETs. **2022**, 67-82
- 260 An Improved Kalman Filter Measurement Model Employing Regularized Least-Squares Problem. **2022**, 46-54
- 259 Measured Radiation Behaviour of a UAV-attached LTE Antenna. **2022**, 0
- 258 UAV Applications in the AEC/FM Industry: A Review. **2023**, 249-259
- 257 A Novel Mining Approach for Data Analysis and Processing Using Unmanned Aerial Vehicles. **2022**, 2022, 1-10
- 256 Time-delay control of quadrotor unmanned aerial vehicles: a multiplicity-induced-dominancy-based approach. 107754632210827 0
- 255 Threats from and Countermeasures for Unmanned Aerial and Underwater Vehicles. **2022**, 22, 3896 0
- 254 Flying through the secure fog: A complete study on UAV-Fog in heterogeneous networks.

- 253 Drones in agriculture: A review and bibliometric analysis. **2022**, 198, 107017 15
- 252 Optimal Placement of UAVs for Minimum Outage Probability. **2022**, 1-1
- 251 Comparation of UAV Path Planning for Logistics Distribution. **2022**, 223-238
- 250 Model Predictive Control of a Tandem-Rotor Helicopter with a Non-Uniformly Spaced Prediction Horizon. **2022**, 1-1 1
- 249 Vehicular Computation Offloading in UAV-enabled MEC Systems. **2022**, 1
- 248 Charging Techniques for UAV-Assisted Data Collection: Is Laser Power Beaming the Answer?. **2022**, 60, 50-56 1
- 247 Optimization of Medication Delivery Drone with IoT-Guidance Landing System Based on Direction and Intensity of Light. **2022**, 22, 4272 0
- 246 Energy-efficient Post-failure Reconfiguration of Swarms of Unmanned Aerial Vehicles. *IEEE Access*, **2022**, 1-1 3.5
- 245 Localization in Unprecedentedly Crowded Airspace for UAVs and UAVs. *IEEE Access*, **2022**, 10, 65206-65230 3.5
- 244 Event-Triggered Cooperative Formation Control for Autonomous Surface Vehicles Under the Maritime Search Operation. **2022**, 1-13 0
- 243 Droneport: From Concept To Simulation. **2022**, 1
- 242 Realistic Deployment of Hybrid Wireless Sensor Networks Based on ZigBee and LoRa for Search and Rescue Applications. *IEEE Access*, **2022**, 10, 64618-64637 3.5 2
- 241 Hybrid Route Optimisation for Maximum Air to Ground Channel Quality. **2022**, 105,
- 240 Advanced Folding Robotic Arm for Quadcopters. **2022**,
- 239 Multi-scale Aerial Object Detection Using Feature Pyramid Networks. **2023**, 303-313
- 238 UAV icing: Ice shedding detection method for an electrothermal de-icing system. **2022**, 0
- 237 Multi-Temporal LiDAR and Hyperspectral Data Fusion for Classification of Semi-Arid Woody Cover Species. **2022**, 14, 2896 0
- 236 A Method for Designated Target Anti-Interference Tracking Combining YOLOv5 and SiamRPN for UAV Tracking and Landing Control. **2022**, 14, 2825 1

- 235 Towards the Unmanned Aerial Vehicles (UAVs): A Comprehensive Review. **2022**, 6, 147 18
- 234 Optimal energy efficient path planning of UAV using hybrid MACO-MEA* algorithm: theoretical and experimental approach.
- 233 Delivery Route Planning for Unmanned Aerial System in Presence of Recharging Stations. **2022**,
- 232 Drone logistics for uncertain demand of disaster-impacted populations. **2022**, 141, 103735 2
- 231 A comprehensive review of electrochemical hybrid power supply systems and intelligent energy managements for unmanned aerial vehicles in public services. **2022**, 9, 100175 1
- 230 Cooperative Search of UAV Formation Guided by Probability Graph. **2022**, 33-41
- 229 Ortho Image Mosaicing and Object Identification of UAV Data. **2022**, 40-53
- 228 Theoretical Investigation and Implementation of Pem Fuel Cell into Uav.
- 227 Spectrum Localization and Hough Transform-Based Tuning for LSS Targets Accurate Micro-Doppler Imaging System. **2022**, 71, 1-11 0
- 226 Energy-Efficient Segment Clustering Algorithm for UAV trajectory. **2022**,
- 225 A Grey Wolf optimizer-Based Topology Shaping Method for UAV Swarm. **2022**,
- 224 Multi-optimization approach for PID control on Drone roll-pitch orientation. **2022**,
- 223 Towards Time-Optimal Tunnel-Following for Quadrotors. **2022**, 0
- 222 Nearest-Neighbor-based Collision Avoidance for Quadrotors via Reinforcement Learning. **2022**, 1
- 221 Systemic Performance Analysis on Zoning for Unmanned Aerial Vehicle-Based Service Delivery. **2022**, 6, 157 1
- 220 Detection of River Plastic Using UAV Sensor Data and Deep Learning. **2022**, 14, 3049 1
- 219 Entropy-Based Distributed Behavior Modeling for Multi-Agent UAVs. **2022**, 6, 164 1
- 218 Reinforcement Learning for Resource Planning in Drone-Based Softwarized Networks. **2022**, 0

- 217 Monocular UAV Localisation With Deep Learning and Uncertainty Propagation. **2022**, 7, 7998-8005 1
- 216 Flight Test of the Novel Fixed-Wing Multireference Multiscale LN Guidance Logic for Complex Path Following. **2022**, 105,
- 215 A survey on green unmanned aerial vehicles-based fog computing: Challenges and future perspective. 1
- 214 Design of Gas Monitoring Terminal Based on Quadrotor UAV. **2022**, 22, 5350 0
- 213 Review on automated condition assessment of pipelines with machine learning. **2022**, 53, 101687 2
- 212 VLOS and BVLOS RPAS Operators Certificate: Case Study for Inspection Requirements. **2021**,
- 211 Integrated Trajectory Optimization and Cubature Kalman Filter for UAV-Based Target Tracking with Unknown Initial Position. **2022**,
- 210 Neural Network Based Adaptive Event-Triggered Control for Quadrotor Unmanned Aircraft Robotics. **2022**, 10, 617 1
- 209 Dubins Path-Oriented Rapidly Exploring Random Tree* for Three-Dimensional Path Planning of Unmanned Aerial Vehicles. **2022**, 11, 2338
- 208 Drones for Area-Wide Larval Source Management of Malaria Mosquitoes. **2022**, 6, 180 0
- 207 Weakly Supervised Learning for Transmission Line Detection Using Unpaired Image-to-Image Translation. **2022**, 14, 3421
- 206 Energy management and system design for fuel cell hybrid unmanned aerial vehicles.
- 205 Applications of robotics in floating offshore wind farm operations and maintenance: Literature review and trends. 1
- 204 An UAV Assisted Need Assessment and Prediction System for COVID-19 Vaccination. **2022**, 298-310
- 203 Multi-Scale and Multi-Reference Longitudinal Guidance Logic for UAS. **2022**,
- 202 Collision-free swarm take-off based on trajectory analysis and UAV grouping. **2022**, 0
- 201 Analysis of RC Quadcopter RCS Estimation in indoor and Outdoor Environments with L-Band Primary Surveillance Radar. **2022**,
- 200 Three Fundamental Paradigms for Aerial Physical Interaction Using Nonlinear Model Predictive Control. **2022**,

- 199 Three-Dimensional Waypoint Navigation of Multicopters by Attitude and Throttle Commands using Off-Policy Reinforcement Learning. **2022**,
- 198 Path Planning with Potential Field-Based Obstacle Avoidance in a 3D Environment by an Unmanned Aerial Vehicle. **2022**, 0
- 197 Aerial Coverage Analysis for Mobile Network Operator: A Comparison Model of Simulation and UAV Based Measurement in the Different Altitudes. **2022**,
- 196 The Spectrum Policy Challenges of Unmanned Traffic Management and U-Space Regulation - Stakeholder analysis view *. **2022**,
- 195 Development and Prospect of Wireless Power Transfer Technology Used to Power Unmanned Aerial Vehicle. **2022**, 11, 2297 3
- 194 Cyber Threats and Cybersecurity Reassessed in UAV-assisted Cyber Physical Systems. **2022**,
- 193 Privacy-Preserving Path-Planning for UAVs. **2022**, 0
- 192 Hide and Seek: Privacy-Preserving and FAA-compliant Drones Location Tracing. **2022**,
- 191 Indoor Visual-Based Localization System for Multi-Rotor UAVs. **2022**, 22, 5798 0
- 190 A Survey on UAV Computing Platforms: A Hardware Reliability Perspective. **2022**, 22, 6286 2
- 189 Topology control algorithms in multi-unmanned aerial vehicle networks: An extensive survey. **2022**, 103495 4
- 188 Risk-Based UAV Corridor Capacity Analysis above a Populated Area. **2022**, 6, 221 0
- 187 Perching and Grasping Mechanism Inspired by a Bird's Claw. **2022**, 10, 656 2
- 186 Localization in Structured Environments with UWB Devices without Acceleration Measurements, and Velocity Estimation Using a Kalman-Bucy Filter. **2022**, 22, 6308 0
- 185 Orthogonal experimental study on the cold-start control strategies of a SI aviation piston engine fueled with kerosene. **2022**, 328, 124880
- 184 Reinforcement Learning: Theory and Applications in HEMS. **2022**, 15, 6392 0
- 183 Search and Rescue in a Maze-like Environment with Ant and Dijkstra Algorithms. **2022**, 6, 273 2
- 182 A Review of Flying Ad Hoc Networks: Key Characteristics, Applications, and Wireless Technologies. **2022**, 14, 4459 4

181	On a Pickup to Delivery Drone Routing Problem: Models and algorithms. 2022 , 172, 108632	0
180	A Cost-Effective Tethered-UAV-Based Coherent Near-Field Antenna Measurement System. 2022 , 3, 984-1002	0
179	Constraint-Aware Trajectory for Drone Delivery Services. 2022 , 306-310	2
178	Evolution of Non-Terrestrial Networks from 5G to 6G: A Survey. 2022 , 1-1	10
177	Unmanned Aerial Vehicle Communications for Civil Applications: A Review. 2022 , 10, 102492-102531	1
176	A Trunk-Link Deployment Methodology for Heterogeneous Multi-UAV. 2022 , 746-756	0
175	Resource Allocation for Joint Interference Management and Security Enhancement in Cellular-Connected Internet-of-Drones Networks. 2022 , 1-17	1
174	Learning-based Beam Alignment for Uplink mmWave UAVs. 2022 , 1-1	0
173	Adaptive Backstepping Integral Sliding Mode Control Combined with Super-Twisting Algorithm For Nonlinear UAV Quadrotor System. 2022 , 55, 264-269	1
172	Adversarial Attacks and Defenses towards AI-Assisted UAV Infrastructure Inspection. 2022 , 1-1	0
171	Energy-Efficient Task Offloading of Edge-Aided Maritime UAV Systems. 2022 , 1-10	1
170	Compatible Authentication and Key Agreement Protocol for Low Power and Lossy Network in Iot Environment.	0
169	Electromagnetic Compatibility Analysis of Quadcopter UAVs Using the Equivalent Circuit Approach. 2022 , 3, 1090-1101	1
168	Non-Orthogonal Multiple Access for UAV-Aided Heterogeneous Networks: A Stochastic Geometry Model. 2022 , 1-16	0
167	Future Trends and Challenges of UAV. 2022 , 241-249	0
166	UAV Target Tracking using Nonlinear Model Predictive Control. 2022 ,	0
165	An Overview to Unmanned Aerial Vehicles from Perspectives of Quality and Safety Management in Aviation. 2022 , 14, 917-940	0
164	Control of Unmanned Aerial Vehicles with Non-Minimum Phase Dynamics Using Parallel Differential Compensation. 2022 ,	1

163	A cross-platform smart drone controller framework for real-time surveillance and inspection. 2022 , 2336, 012009	0
162	The Study of Electrical Energy Power Supply System for UAVs Based on the Energy Storage Technology. 2022 , 9, 500	3
161	The design of a new type coaxial multilayer rotor helicopter vehicle. 2022 , 2345, 012005	0
160	An Integrated Two-Dimension Linguistic Intuitionistic Fuzzy Decision-Making Approach for Unmanned Aerial Vehicle Supplier Selection. 2022 , 14, 11666	0
159	Multiple Object Tracking in Robotic Applications: Trends and Challenges. 2022 , 12, 9408	2
158	Adaptive robust finite-time tracking control for quadrotor subject to disturbances. 2022 ,	1
157	Intelligent exploration strategy for a mobile robot to reduce the repeated searches in an unknown environment.	0
156	Trajectory Optimizations of Unmanned Aircraft Systems Including Conflict Resolution Under Communication Uncertainty. 2023 , 881-895	0
155	Dynamic Path Planning Based on Neural Networks for Aerial Inspection.	0
154	Comparative Analysis of Radar-Cross-Section- Based UAV Recognition Techniques. 2022 , 22, 17932-17949	0
153	Autonomous Navigation of UAVs for Surveillance of Ground Areas and Targets. 2022 , 105-157	0
152	A Review of Consensus-based Multi-agent UAV Implementations. 2022 , 106,	0
151	Multi-UAV flocking control with individual properties inspired by bird behavior. 2022 , 130, 107882	0
150	Shift to 6G: Exploration on trends, vision, requirements, technologies, research, and standardization efforts. 2022 , 54, 102666	0
149	Partial Swarm SLAM for Intelligent Navigation. 2022 , 435-446	0
148	Research on UAV Communication Based on Artificial Intelligence. 2022 , 1060-1072	0
147	Low Altitude Satellite Constellation for Futuristic Aerial-Ground Communications. 2022 , 1-37	0
146	A Multi-Drone Joint Map Building Method Based On Multi-variable Layer Directed Cross Genetic Algorithm. 2022 ,	0

145	UAV Fault Detection Methods, State-of-the-Art. 2022 , 6, 330	2
144	Twenty Years of Remote Sensing Applications Targeting Landscape Analysis and Environmental Issues in Olive Growing: A Review. 2022 , 14, 5430	0
143	UAV Cellular Communication in 5G New Radio Wireless Standards. 2023 , 25-45	0
142	Deep learning approach for investigation of temporal radio frequency signatures of drones.	0
141	LoCaL: Link-optimized cone-assisted location routing in flying ad hoc networks.	2
140	Heterogeneous mission planning for a single unmanned aerial vehicle (UAV) with attention-based deep reinforcement learning. 8, e1119	0
139	Display of 3D Illuminations using Flying Light Specks. 2022 ,	0
138	Enhancing Heat Removal and H2O Retention Capability of Passive Air-Cooled Polymer Electrolyte Membrane Fuel Cells by Tailoring Cathode Flow-Field Design.	0
137	A Review of Collaborative Air-Ground Robots Research. 2022 , 106,	0
136	Comprehensive Review of UAV Detection, Security, and Communication Advancements to Prevent Threats. 2022 , 6, 284	9
135	Finite-Time Neuro-Sliding-Mode Controller Design for Quadrotor UAVs Carrying Suspended Payload. 2022 , 6, 311	2
134	UAV Charging Station Placement in Opportunistic Networks. 2022 , 6, 293	1
133	Fast-response hot-wire flow sensors for wind and gust estimation on UAVs.	0
132	Air-to-ground path loss prediction using ray tracing and measurement data jointly driven DNN. 2022 , 196, 268-276	2
131	Adaptive path planning for UAVs for multi-resolution semantic segmentation. 2023 , 159, 104288	0
130	Generating Versatile Training Samples for UAV Trajectory Prediction. 2022 , 208-229	0
129	A UAV Navigation Approach Based on Deep Reinforcement Learning in Large Cluttered 3D Environments. 2022 , 1-14	0
128	Design of Dynamics Invariant LSTM for Touch Based Human-UAV Interaction Detection. 2022 , 10, 116045-116058	

127	An Adaptive Airspace Model for Quadcopters in Urban Air Mobility. 2022 , 1-10	0
126	AI meets UAVs: A survey on AI empowered UAV perception systems for precision agriculture. 2023 , 518, 242-270	1
125	Air-to-Ground Channel Characterization for Unmanned Aerial Vehicles Based on Field Measurements in 5G at 3.5 GHz. 2022 ,	0
124	A Fast-Tracking-Particle-Inspired Flow-Aided Control Approach for Air Vehicles in Turbulent Flow. 2022 , 7, 192	0
123	The role of unmanned aerial vehicle and related technologies in disasters. 2022 , 28, 100873	0
122	Joint Power Control and Phase Shift Design for Future PD-NOMA IRS-Assisted Drone Communications under Imperfect SIC Decoding. 2022 , 22, 8603	0
121	Robust Backstepping Control Combined with Fractional-Order Tracking Differentiator and Fractional-Order Nonlinear Disturbance Observer for Unknown Quadrotor UAV Systems. 2022 , 12, 11637	1
120	Towards secure intra-vehicle communications in 5G advanced and beyond: Vulnerabilities, attacks and countermeasures. 2022 , 100548	0
119	Cooperative Unmanned Aerial Vehicles for Monitoring and Maintenance of Heat and Electricity Incorporated Networks. 2022 , 157-176	0
118	Path-planning for Unmanned Aerial Vehicles with Environment Complexity Considerations: A Survey.	0
117	Lightweight network learning with Zero-Shot Neural Architecture Search for UAV images. 2022 , 110142	0
116	Federated reinforcement learning approach for detecting uncertain deceptive target using autonomous dual UAV system. 2023 , 60, 103149	0
115	Manipal-UAV person detection dataset: A step towards benchmarking dataset and algorithms for small object detection. 2023 , 195, 77-89	0
114	Cooperative path planning optimization for multiple UAVs with communication constraints. 2023 , 260, 110164	1
113	Contactless vital sign monitoring with unmanned aerial vehicle-borne radar. 2023 , 42, 27-34	0
112	Internet of drones security: Taxonomies, open issues, and future directions. 2023 , 39, 100552	0
111	Using object-oriented coupled deep learning approach for typical object inspection of transmission channel. 2023 , 116, 103137	0
110	Multi-UAV trajectory planning for 3D visual inspection of complex structures. 2023 , 147, 104709	1

109	Decimeter-Accuracy Positioning for Drones Using Two-Stage Trilateration in a GPS-Denied Environment. 2022 , 1-1	0
108	Signal Preprocessing Technique with Noise-Tolerant for RF-based UAV Signal Classification. 2022 , 1-1	1
107	Near-field Wireless Power Transfer Technology for Unmanned Aerial Vehicles: A Systematical Review. 2022 , 1-12	1
106	Reinforcement Learning Training Environment for Fixed Wing UAV Collision Avoidance. 2022 , 55, 281-285	0
105	VIO-UWB-Based Collaborative Localization and Dense Scene Reconstruction within Heterogeneous Multi-Robot Systems. 2022 ,	1
104	Channel Estimation for UAV-based mmWave Massive MIMO Communications with Beam Squint. 2022 ,	0
103	Scalable Navigation for Tracking a Cooperative Unpredictably Moving Target in an Urban Environment. 2022 ,	0
102	StellaUAV: A Tool for Testing the Safe Behavior of UAVs with Scenario-Based Testing (Tools and Artifact Track). 2022 ,	0
101	Operating drones at sea - maritime law implications. 2022 ,	0
100	Performance Improvement of a Micro Permanent Magnet Motor. 2022 ,	0
99	Real-time UAV Flight Path Prediction Using A Bi-directional Long Short-term Memory Network with Error Compensation.	0
98	GROWS. 2022 ,	0
97	Quadrotor-Type UAVs Assembly and Its Application to Audit Telecommunications Relays.	0
96	Reference Generator for a System of Multiple Tethered Unmanned Aerial Vehicles. 2022 , 6, 390	0
95	The use of drones for mosquito surveillance and control. 2022 , 15,	0
94	Detection of Malicious Unmanned Aerial Vehicle Carrying Unnecessary Load Using Supervised Machine Intelligence Model with SqueezeNet Deep Neural Network Image Embedder. 2023 , 349-361	0
93	Warehouse Drone: Indoor Positioning and Product Counter with Virtual Fiducial Markers. 2023 , 7, 3	1
92	An Efficient Authenticated Key Agreement Scheme Supporting Privacy-Preservation for Internet of Drones Communications. 2022 , 22, 9534	0

91	Inverse Tree Interleavers in UAV Communications for Interference Mitigation. 2022 , 35-52	o
90	Power Grid Infrastructural Resilience against Extreme Events. 2023 , 16, 64	o
89	Simulation Framework for Real-Time PHM Applications in a System-of-Systems Environment. 2023 , 10, 58	o
88	A modeling study on water and thermal management and cold startup of unmanned aerial vehicle fuel cell system. 2023 , 15, 100222	o
87	Unmanned aerial vehicles (UAVs): practical aspects, applications, open challenges, security issues, and future trends.	o
86	Autonomous Unmanned Aerial Vehicles in Bushfire Management: Challenges and Opportunities. 2023 , 7, 47	o
85	DCP-SLAM: Distributed Collaborative Partial Swarm SLAM for Efficient Navigation of Autonomous Robots. 2023 , 23, 1025	o
84	Summary and Scope. 2023 , 207-213	o
83	A Method of Merging Maps for MUAVs Based on an Improved Genetic Algorithm. 2023 , 23, 447	o
82	Multimodal Interference Compatible Passive UAV Network Based on Location-Aware Flexibility. 2023 , 1-1	o
81	UAV trajectory planning for disaster scenarios. 2023 , 100568	o
80	ReconTraj4Drones: A Framework for the Reconstruction and Semantic Modeling of UAVs Trajectories on MovingPandas. 2023 , 13, 670	o
79	Collaborative Integrity Augmentation in Resilient Navigation. 2023 , 149-171	o
78	UAV Formation Trajectory Planning Algorithms: A Review. 2023 , 7, 62	2
77	Hybrid Power Systems in Multi-Rotor UAVs: A Scientific Research and Industrial Production Perspective. 2023 , 11, 438-458	o
76	Machine Learning Modeling of GPS Features with Applications to UAV Location Spoofing Detection and Classification. 2023 , 126, 103085	o
75	Minimax Persistent Monitoring of a network system. 2023 , 149, 110808	o
74	Comparative Study of Double-Stator Vernier Machines with Different Interior Permanent-Magnet Arrangements for Unmanned Aerial Vehicles. 2022 ,	o

- 73 Research on Unmanned Aerial Vehicle Trajectory Planning Based on Agent Reinforcement Learning in Alpine Forest Environment. **2022**, ○
- 72 Automatic Co-Design of Aerial Robots Using a Graph Grammar. **2022**, ○
- 71 NABA: Novel Adaptive Broadcast Storm Avoidance in NDN and SDN based FANET. **2022**, ○
- 70 Modeling and Control of JetQuad Aerial Robot. **2022**, ○
- 69 A Review of Indoor UAV-based Tracking Systems: Classification, Status, and Challenges. **2022**, ○
- 68 Performance Analysis of Double-Scattered Double-Shadowed Channel Model for UAV-to-Ground Systems. **2022**, ○
- 67 Drone Localization Through Non-Ideal Angle-Of-Arrival Measurements. **2022**, ○
- 66 E2EdgeAI: Energy-Efficient Edge Computing for Deployment of Vision-Based DNNs on Autonomous Tiny Drones. **2022**, ○
- 65 Detecting False Data Injections in Images Collected by Drones: A Deep Learning Approach. **2022**, ○
- 64 D2D-Based Cellular-Connected UAV Swarm Control Optimization via Graph-Aware DRL. **2022**, ○
- 63 Classification of UAVs using Time-Frequency Analysis of Remote Control Signals and CNN. **2022**, ○
- 62 Protection of Coastal Shelter Forests Using UAVs: Individual Tree and Tree-Height Detection in Casuarina Equisetifolia L. Forests. **2023**, 14, 233 ○
- 61 Edge-Enhanced Attentions for Drone Delivery in Presence of Winds and Recharging Stations. 1-13 ○
- 60 RF-Based Drone Classification Under Complex Electromagnetic Environments Using Deep Learning. **2023**, 1-1 ○
- 59 Real-Time Path Optimization for 3D UAS Line Survey Operations. **2023**, ○
- 58 Adaptive fault-tolerant control of octo-rotor UAV under motor faults in adverse wind conditions. **2023**, ○
- 57 QoE-aware Data Aggregation in MEC-enabled UAV Systems: A Matching Game Approach. **2022**, ○
- 56 GNSS-Denied Semi-Direct Visual Navigation for Autonomous UAVs Aided by PI-Inspired Inertial Priors. **2023**, 10, 220 ○

55	Multi-UAV autonomous collision avoidance based on PPO-GIC algorithm with CNNLSTM fusion network. 2023 , 162, 21-33	o
54	A reinforcement learning-based cluster routing scheme with dynamic path planning for mutli-UAV network. 2023 , 41, 100605	o
53	A survey of unmanned aerial vehicle flight data anomaly detection: Technologies, applications, and future directions.	o
52	A State of the Art in Simultaneous Localization and Mapping (SLAM) for Unmanned Ariel Vehicle (UAV): A Review. 2022 , 18, 50-56	o
51	Two-View Structure-from-Motion with Multiple Feature Detector Operators. 2023 , 15, 605	o
50	A systematic literature review of flying ad hoc networks: State-of-the-art, challenges, and perspectives. 2023 , 40, 955-979	o
49	Feeling Artificial Intelligence for AI-Enabled Autonomous Systems. 2022 ,	o
48	Global Research Trends for Unmanned Aerial Vehicle Remote Sensing Application in Wheat Crop Monitoring. 2023 , 3, 115-136	1
47	Vision-Based Navigation Techniques for Unmanned Aerial Vehicles: Review and Challenges. 2023 , 7, 89	1
46	An Extended Model for the UAVs-Assisted Multiperiodic Crowd Tracking Problem. 2023 , 2023, 1-14	o
45	Adaptive Neural Network Actuator Failure Compensation Scheme for Quadrotor Trajectory Tracking Control. 2022 ,	o
44	A survey on security and privacy issues of UAVs. 2023 , 224, 109626	o
43	Accurate Attitude Control for an Asymmetrical Hexacopter Under Exogenous Disturbance. 2022 ,	o
42	A Distributed Collaborative Allocation Method of Reconnaissance and Strike Tasks for Heterogeneous UAVs. 2023 , 7, 138	o
41	Cyber Attacks and Vulnerabilities Assessment for Unmanned Aerial Vehicles Communication Systems. 2022 ,	o
40	Hybrid approach for suspicious object surveillance using video clips and UAV images in cloud-IoT-based computing environment.	o
39	A Systematic Approach of a Flying Ad-hoc Network for Smart Cities. 2023 , 55-75	o
38	Trajectory Planning for Multiple UAVs and Hierarchical Collision Avoidance Based on Nonlinear Kalman Filters. 2023 , 7, 142	o

- 37 Autonomous control of multiple quadrotors for collision-free navigation. **2023**, 17, 868-895 ○
- 36 Price-Based Resource Allocation in an UAV-Based Cognitive Wireless Powered Networks. **2023**, 2023, 1-13 ○
- 35 A Heuristic Autonomous Exploration Method Based on Environmental Information Gain During Quadrotor Flight. ○
- 34 A comprehensive survey on security, privacy issues and emerging defence technologies for UAVs. **2023**, 213, 103607 ○
- 33 A three-stage stochastic optimization model integrating 5G technology and UAVs for disaster management. ○
- 32 An Optimal Smooth-Path Motion Planning Method for a Car-like Mobile Robot. **2023**, 20-30 ○
- 31 Nonlinear Autoregressive with Gaussian Process Regression-Based Path-Following Guidance for UAV Under Time-Varying Disturbances. **2023**, 15-26 ○
- 30 Wearable Drone Controller: Machine Learning-Based Hand Gesture Recognition and Vibrotactile Feedback. **2023**, 23, 2666 ○
- 29 Application of Unmanned Aerial Vehicles for Surveying and Mapping in Mines: A Review. **2023**, 1-22 ○
- 28 Analysis of UAVs and Their Technical Parameters for Overhead Power Lines Monitoring. **2023**, 181-193 ○
- 27 Automated Unmanned Aerial Vehicle-Based Bridge Deck Delamination Detection and Quantification. 036119812311554 ○
- 26 Path Optimization of Field Sensor Network for Sweep Coverage. **2022**, ○
- 25 A Lightweight Gesture Recognition Method on Ultralow-Power Nano-UAVs. **2022**, ○
- 24 Feature Extraction in Urban Areas Using UAV Data. **2023**, 87-98 ○
- 23 A Deep Learning Approach for Detection and Segmentation of Airplanes in Ultrahigh-Spatial-Resolution UAV Dataset. **2023**, 211-228 ○
- 22 Quality Assessment of UAV Data using Multiple RTK Reference Stations. **2023**, ○
- 21 Experiment of Multi-UAV Full-Duplex System Equipped with Directional Antennas. **2023**, ○
- 20 Reliability Assessment of UAV Fleets. **2023**, 335-357 ○

19	Dynamic performance analysis based on the mechatronic system of power transmission line inspection robot with dual-arm. 095440622311599	o
18	RANS-Based Aeroacoustic Global Sensitivity Study and Optimization of UAV Propellers. 2023 , 10, 306	1
17	UAV Detection and Identification Based on Radio Frequency Using Transfer Learning. 2022 ,	o
16	Motion Planning of UAV for Port Inspection Based on Extended RRT* Algorithm. 2023 , 11, 702	o
15	An Efficient Underwater Navigation Method Using MPC with Unknown Kinematics and Non-Linear Disturbances. 2023 , 11, 710	o
14	The Influence of UAV Altitudes and Flight Techniques in 3D Reconstruction Mapping. 2023 , 7, 227	o
13	A Channel Compensation Technique Based on Frequency-Hopping Binary Offset Carrier Modulated Signal. 2023 , 15, 1849	o
12	Advancements in Cyber Security and Information Systems in Healthcare from 2004 to 2022: A Bibliometric Analysis. 2023 ,	o
11	Stratospheric balloon earth observation gathered imagery classification through deep learning. 2023 ,	o
10	Searching for Scalable Networks in Unmanned Aerial Vehicle Infrastructure Using Spatio-Attack Course-of-Action. 2023 , 7, 249	o
9	Computer-Aided Design, Multibody Dynamic Modeling, and Motion Control Analysis of a Quadcopter System for Delivery Applications. 2023 , 11, 464	o
8	Deep Learning Network for Vision-Based UAV Recognition. 2023 ,	o
7	Efficient Data Collection in UAV-Assisted Cluster-Based Wireless Sensor Networks for 3D Environment: Optimization Study. 2023 , 2023, 1-21	o
6	Investigation of Autonomous Multi-UAV Systems for Target Detection in Distributed Environment: Current Developments and Open Challenges. 2023 , 7, 263	o
5	Research Infrastructure for Real-Time Computer Vision Applications in Unmanned Aerial Systems. 2022 ,	o
4	Region coverage-aware path planning for unmanned aerial vehicles: A systematic review. 2023 , 102073	o
3	 2023 , 4, 116-126	o
2	A study to assess the applicability of using remote sensing to minimize service interruption of Canadian port infrastructure.	o

- 1 Research on Backbone Routing Protocol of Ad Hoc Network Based on SDN. **2023**, 329-341

o