AnÃ-bal Ollero

List of Publications by Year
in descending order

172	5,684	87888	102487
papers	citations	38 h-index	66 g-index

176	176	176	3675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Past, Present, and Future of Aerial Robotic Manipulators. IEEE Transactions on Robotics, 2022, 38, 626-645.	10.3	145
2	Geometric control using the state-dependent Riccati equation: application to aerial-acrobatic maneuvers. International Journal of Control, 2022, 95, 1875-1887.	1.9	9
3	Gravity compensation and optimal control of actuated multibody system dynamics. IET Control Theory and Applications, 2022, 16, 79-93.	2.1	4
4	Release of Sterile Mosquitoes with Drones in Urban and Rural Environments under the European Drone Regulation. Applied Sciences (Switzerland), 2022, 12, 1250.	2.5	4
5	Perception-Aware Perching on Powerlines With Multirotors. IEEE Robotics and Automation Letters, 2022, 7, 3077-3084.	5.1	15
6	A Lightweight Beak-Like Sensing System for Grasping Tasks of Flapping Aerial Robots. IEEE Robotics and Automation Letters, 2022, 7, 2313-2320.	5.1	2
7	Quaternion-based state-dependent differential Riccati equation for quadrotor drones: Regulation control problem in aerobatic flight. Robotica, 2022, 40, 3120-3135.	1.9	11
8	Free as a Bird: Event-Based Dynamic Sense-and-Avoid for Ornithopter Robot Flight. IEEE Robotics and Automation Letters, 2022, 7, 5413-5420.	5.1	10
9	Numerical-experimental evaluation and modelling of aerodynamic ground effect for small-scale tilted propellers at low Reynolds numbers. Aerospace Science and Technology, 2022, 126, 107625.	4.8	20
10	A PD-Type State-Dependent Riccati Equation With Iterative Learning Augmentation for Mechanical Systems. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1499-1511.	13.1	10
11	A 79.7g Manipulator Prototype for E-Flap Robot: A Plucking-Leaf Application. IEEE Access, 2022, 10, 65300-65308.	4.2	5
12	Threat Management Methodology for Unmanned Aerial Systems Operating in the U-Space. IEEE Access, 2022, 10, 70476-70490.	4.2	1
13	A framework for set-based kinematic control of multi-robot systems. Control Engineering Practice, 2021, 106, 104669.	5.5	7
14	Experimental Evaluation of a Team of Multiple Unmanned Aerial Vehicles for Cooperative Construction. IEEE Access, 2021, 9, 6817-6835.	4.2	7
15	Experimental Evaluation of Aerial Manipulation Robot in Contact With 15 kV Power Line: Shielded and Long Reach Configurations. IEEE Access, 2021, 9, 94573-94585.	4.2	16
16	Cartesian Aerial Manipulator with Compliant Arm. Applied Sciences (Switzerland), 2021, 11, 1001.	2.5	15
17	Bio-Inspired Morphing Tail for Flapping-Wings Aerial Robots Using Macro Fiber Composites. Applied Sciences (Switzerland), 2021, 11, 2930.	2.5	9
18	The GRIFFIN Perception Dataset: Bridging the Gap Between Flapping-Wing Flight and Robotic Perception. IEEE Robotics and Automation Letters, 2021, 6, 1066-1073.	5.1	12

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19	Unmanned Aerial Traffic Management System Architecture for U-Space In-Flight Services. Applied Sciences (Switzerland), 2021, 11, 3995.	2.5	13
20	Design of the High-Payload Flapping Wing Robot E-Flap. IEEE Robotics and Automation Letters, 2021, 6, 3097-3104.	5.1	43
21	Optimal trajectory planning for cinematography with multiple Unmanned Aerial Vehicles. Robotics and Autonomous Systems, 2021, 140, 103778.	5.1	26
22	Integration of a 4D-trajectory Follower to Improve Multi-UAV Conflict Management Within the U-Space Context. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	3
23	A Multi-Layer Software Architecture for Aerial Cognitive Multi-Robot Systems in Power Line Inspection Tasks. , 2021, , .		9
24	Soft-Tentacle Gripper for Pipe Crawling to Inspect Industrial Facilities Using UAVs. Sensors, 2021, 21, 4142.	3.8	10
25	Soft-Landing of Multi-Rotor Drones using a Robust Nonlinear Control and Wind Modeling. , 2021, , .		3
26	Introducing autonomous aerial robots in industrial manufacturing. Journal of Manufacturing Systems, 2021, 60, 312-324.	13.9	25
27	Safe Local Aerial Manipulation for the Installation of Devices on Power Lines: AERIAL-CORE First Year Results and Designs. Applied Sciences (Switzerland), 2021, 11, 6220.	2.5	23
28	Installation of Clip-Type Bird Flight Diverters on High-Voltage Power Lines with Aerial Manipulation Robot: Prototype and Testbed Experimentation. Applied Sciences (Switzerland), 2021, 11, 7427.	2.5	9
29	Localization System for Lightweight Unmanned Aerial Vehicles in Inspection Tasks. Sensors, 2021, 21, 5937.	3.8	7
30	Aerial Robotic Solution for Detailed Inspection of Viaducts. Applied Sciences (Switzerland), 2021, 11, 8404.	2.5	6
31	Autonomous Aerial Filming With Distributed Lighting by a Team of Unmanned Aerial Vehicles. IEEE Robotics and Automation Letters, 2021, 6, 7580-7587.	5.1	23
32	Control Aware of Limitations of Manipulators With Claw for Aerial Robots Imitating Bird's Skeleton. IEEE Robotics and Automation Letters, 2021, 6, 6426-6433.	5.1	11
33	Auto-Tuned Event-Based Perception Scheme for Intrusion Monitoring With UAS. IEEE Access, 2021, 9, 44840-44854.	4.2	6
34	Design and Manufacture of the Wing Folding Mechanism for a Bioinspired Ornithopter. , 2021, , .		2
35	Design, Integration and Testing of Compliant Gripper for the Installation of Helical Bird Diverters on Power Lines. , 2021, , .		5
36	Experimental Evaluation of Aerial Manipulation Robot for the Installation of Clip Type Bird Diverters: Outdoor Flight Tests. , 2021, , .		7

#	Article	IF	Citations
37	Cartesian manipulator for infrastructure inspection and maintenance. , 2021, , .		0
38	Winged Aerial Robot: Modular Design Approach. , 2021, , .		0
39	Kinodynamic planning for an energy-efficient autonomous ornithopter. Computers and Industrial Engineering, 2021, 163, 107814.	6.3	2
40	Autonomous fire-fighting with heterogeneous team of unmanned aerial vehicles. , 2021, 1, 158-185.		1
41	Autonomous UAV System for Cleaning Insulators in Power Line Inspection and Maintenance. Sensors, 2021, 21, 8488.	3.8	21
42	A Bio-Inspired Manipulator with Claw Prototype for Winged Aerial Robots: Benchmark for Design and Control. Applied Sciences (Switzerland), 2020, 10, 6516.	2.5	13
43	An Aerodynamic Extension for Motion Planning with Dynamics Awareness in Aerial Long-Reach Manipulators. International Journal of Aerospace Engineering, 2020, 2020, 1-17.	0.9	0
44	Effects of Unsteady Aerodynamics on Gliding Stability of a Bio-Inspired UAV. , 2020, , .		1
45	Procedures for the Integration of Drones into the Airspace Based on U-Space Services. Aerospace, 2020, 7, 128.	2.2	24
46	Unmanned aerial vehicle abstraction layer: An abstraction layer to operate unmanned aerial vehicles. International Journal of Advanced Robotic Systems, 2020, 17, 172988142092501.	2.1	15
47	Winged Aerial Manipulation Robot with Dual Arm and Tail. Applied Sciences (Switzerland), 2020, 10, 4783.	2.5	11
48	Aerial Manipulator With Rolling Base for Inspection of Pipe Arrays. IEEE Access, 2020, 8, 162516-162532.	4.2	27
49	Fully-Actuated Aerial Manipulator for Infrastructure Contact Inspection: Design, Modeling, Localization, and Control. Sensors, 2020, 20, 4708.	3.8	29
50	Autonomous Execution of Cinematographic Shots With Multiple Drones. IEEE Access, 2020, 8, 201300-201316.	4.2	21
51	High-Level Modular Autopilot Solution for Fast Prototyping of Unmanned Aerial Systems. IEEE Access, 2020, 8, 223827-223836.	4.2	1
52	Aerial Physical Interaction in Grabbing Conditions with Lightweight and Compliant Dual Arms. Applied Sciences (Switzerland), 2020, 10, 8927.	2.5	12
53	Audio-Based Aircraft Detection System for Safe RPAS BVLOS Operations. Electronics (Switzerland), 2020, 9, 2076.	3.1	4
54	Compliant Bimanual Aerial Manipulation: Standard and Long Reach Configurations. IEEE Access, 2020, 8, 88844-88865.	4.2	43

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55	Design, modeling, and control of an aerial manipulator for placement and retrieval of sensors in the environment. Journal of Field Robotics, 2020, 37, 1224-1245.	6.0	23
56	Director Tools for Autonomous Media Production with a Team of Drones. Applied Sciences (Switzerland), 2020, 10, 1494.	2.5	11
57	An Efficient Distributed Area Division Method for Cooperative Monitoring Applications with Multiple UAVs. Sensors, 2020, 20, 3448.	3.8	9
58	Energy-Based Cooperative Control for Landing Fixed-Wing UAVs on Mobile Platforms Under Communication Delays. IEEE Robotics and Automation Letters, 2020, 5, 5081-5088.	5.1	14
59	Adaptive Integral Inverse Kinematics Control for Lightweight Compliant Manipulators. IEEE Robotics and Automation Letters, 2020, 5, 3468-3474.	5.1	6
60	Benchmarks for Aerial Manipulation. IEEE Robotics and Automation Letters, 2020, 5, 2650-2657.	5.1	32
61	Accurate control of Aerial Manipulators outdoors. A reliable and self-coordinated nonlinear approach. Aerospace Science and Technology, 2020, 99, 105731.	4.8	21
62	ROSS-LAN: RObotic Sensing Simulation Scheme for Bioinspired Robotic Bird LANding. Advances in Intelligent Systems and Computing, 2020, , 48-59.	0.6	1
63	TCP Muscle Tensors: Theoretical Analysis and Potential Applications inÂAerial Robotic Systems. Advances in Intelligent Systems and Computing, 2020, , 40-51.	0.6	2
64	Aerodynamic Effects in Multirotors Flying Close to Obstacles: Modelling and Mapping. Advances in Intelligent Systems and Computing, 2020, , 63-74.	0.6	2
65	Online Detection and Tracking of Pipes During UAV Flight in Industrial Environments. Advances in Intelligent Systems and Computing, 2020, , 28-39.	0.6	1
66	Modelling and Control of Robotic Helicopters. , 2020, , 1-8.		0
67	GRVC-CATEC: Aerial Robot Co-worker in Plant Servicing (ARCOW). Springer Tracts in Advanced Robotics, 2020, , 211-242.	0.4	3
68	Range-Only Simultaneous Localization and Mapping for Aerial Robots. , 2020, , 1-9.		0
69	Autonomous Planning for Multiple Aerial Cinematographers. , 2020, , .		8
70	Contact-Based Bridge Inspection Multirotors: Design, Modeling, and Control Considering the Ceiling Effect. IEEE Robotics and Automation Letters, 2019, 4, 3561-3568.	5.1	53
71	Optimal Trajectory Planning for Autonomous Drone Cinematography. , 2019, , .		12
72	Risk Assessment based on SORA Methodology for a UAS Media Production Application. , 2019, , .		13

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73	Robotic System for Inspection by Contact of Bridge Beams Using UAVs. Sensors, 2019, 19, 305.	3.8	57
74	A 3D-Printable Docking System for Aerial Robots: Controlling Aerial Robotic Manipulators in Outdoor Industrial Applications. IEEE Robotics and Automation Magazine, 2019, 26, 44-53.	2.0	20
75	Sensor Installation and Retrieval Operations Using an Unmanned Aerial Manipulator. IEEE Robotics and Automation Letters, 2019, 4, 2793-2800.	5.1	54
76	Novel Aerial Manipulator for Accurate and Robust Industrial NDT Contact Inspection: A New Tool for the Oil and Gas Inspection Industry. Sensors, 2019, 19, 1305.	3.8	91
77	A Precise and GNSS-Free Landing System on Moving Platforms for Rotary-Wing UAVs. Sensors, 2019, 19, 886.	3.8	16
78	A framework to handle threats for UAS operating in the U-space. , 2019, , .		3
79	A 4D grid based approach for efficient conflict detection in large-scale multi-UAV scenarios. , 2019, , .		7
80	A UTM simulator based on ROS and Gazebo. , 2019, , .		5
81	Securing UAV communications using ROS with custom ECIES-based method. , 2019, , .		4
82	Small-Scale Compliant Dual Arm with Tail for Winged Aerial Robots. , 2019, , .		4
83	Alâ€Robotics team: A cooperative multiâ€unmanned aerial vehicle approach for the Mohamed Bin Zayed International Robotic Challenge. Journal of Field Robotics, 2019, 36, 104-124.	6.0	6
84	Aerial Manipulation: A Literature Review. IEEE Robotics and Automation Letters, 2018, 3, 1957-1964.	5.1	328
85	Design of a lightweight dual arm system for aerial manipulation. Mechatronics, 2018, 50, 30-44.	3.3	67
86	Autonomous Localization of Missing Items withÂAerial Robots in an Aircraft Factory. Advances in Intelligent Systems and Computing, 2018, , 179-189.	0.6	0
87	Physical-Virtual Impedance Control in Ultralightweight and Compliant Dual-Arm Aerial Manipulators. IEEE Robotics and Automation Letters, 2018, 3, 2553-2560.	5.1	67
88	An efficient approach for undelayed range-only SLAM based on Gaussian mixtures expectation. Robotics and Autonomous Systems, 2018, 104, 40-55.	5.1	11
89	An architecture for robust UAV navigation in GPSâ€denied areas. Journal of Field Robotics, 2018, 35, 121-145.	6.0	49
90	Range-only SLAM for robot-sensor network cooperation. Autonomous Robots, 2018, 42, 649-663.	4.8	26

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91	Lightweight and Compliant Long Reach Aerial Manipulator for Inspection Operations. , 2018, , .		31
92	First Experimental Results on Motion Planning for Transportation in Aerial Long-Reach Manipulators with Two Arms. , 2018, , .		25
93	Aerial Robotics and Unmanned Aerial Vehicles [TC Spotlight]. IEEE Robotics and Automation Magazine, 2018, 25, 96-97.	2.0	1
94	Decentralized 3D Collision Avoidance for Multiple UAVs in Outdoor Environments. Sensors, 2018, 18, 4101.	3.8	25
95	Design of an Anthropomorphic, Compliant, and Lightweight Dual Arm for Aerial Manipulation. IEEE Access, 2018, 6, 29173-29189.	4.2	42
96	Motion planning with dynamics awareness for long reach manipulation in aerial robotic systems with two arms. International Journal of Advanced Robotic Systems, 2018, 15, 172988141877052.	2.1	9
97	Introduction to the Special Issue on Aerial Manipulation. IEEE Robotics and Automation Letters, 2018, 3, 2734-2737.	5.1	7
98	The AEROARMS Project: Aerial Robots with Advanced Manipulation Capabilities for Inspection and Maintenance. IEEE Robotics and Automation Magazine, 2018, 25, 12-23.	2.0	157
99	A Novel Landing System to Increase Payload Capacity and Operational Availability of High Altitude Long Endurance UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 597-618.	3.4	22
100	Area Partition for Coastal Regions with Multiple UAS. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 751-766.	3.4	35
101	A General Framework for Synchronizing a Team of Robots Under Communication Constraints. IEEE Transactions on Robotics, 2017, 33, 748-755.	10.3	10
102	Multi-sensor three-dimensional Monte Carlo localization for long-term aerial robot navigation. International Journal of Advanced Robotic Systems, 2017, 14, 172988141773275.	2.1	16
103	Bluetooth network for micro-uavs for communication network and embedded range only localization. , 2017, , .		11
104	Spiral-like coverage path planning for multiple heterogeneous UAS operating in coastal regions. , 2017, , .		24
105	Smooth trajectory generation for wind field exploitation with a small UAS. , 2017, , .		4
106	Efficient integration of RSSI for tracking using Wireless Camera Networks. Information Fusion, 2017, 36, 296-312.	19.1	12
107	Behavioral control of unmanned aerial vehicle manipulator systems. Autonomous Robots, 2017, 41, 1203-1220.	4.8	59
108	Anthropomorphic, compliant and lightweight dual arm system for aerial manipulation. , 2017, , .		51

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109	Combining Unmanned Aerial Systems and Sensor Networks for Earth Observation. Remote Sensing, 2017, 9, 336.	4.0	8
110	Small UAS-Based Wind Feature Identification System Part 1: Integration and Validation. Sensors, 2017, 17, 8.	3.8	15
111	Detection, Location and Grasping Objects Using a Stereo Sensor on UAV in Outdoor Environments. Sensors, 2017, 17, 103.	3.8	43
112	Coastal Areas Division and Coverage with Multiple UAVs for Remote Sensing. Sensors, 2017, 17, 808.	3.8	48
113	Robot-Beacon Distributed Range-Only SLAM for Resource-Constrained Operation. Sensors, 2017, 17, 903.	3.8	9
114	Characterization of the Aerodynamic Ground Effect and Its Influence in Multirotor Control. International Journal of Aerospace Engineering, 2017, 2017, 1-17.	0.9	93
115	On-Line RSSI-Range Model Learning for Target Localization and Tracking. Journal of Sensor and Actuator Networks, 2017, 6, 15.	3.9	10
116	Extracting Objects for Aerial Manipulation on UAVs Using Low Cost Stereo Sensors. Sensors, 2016, 16, 700.	3.8	17
117	Landing of a fixed-wing UAV on a mobile ground vehicle. , 2016, , .		20
118	Lightweight compliant arm with compliant finger for aerial manipulation and inspection. , 2016, , .		38
119	Collision Avoidance for Multiple UAVs Using Rolling-Horizon Policy. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 387-396.	3.4	13
120	A novel landing system to increase payload capacity and operational availability of high altitude long endurance UAV. , 2016, , .		9
121	Area decomposition, partition and coverage with multiple remotely piloted aircraft systems operating in coastal regions. , 2016, , .		26
122	Architecture for the Automatic Generation of Plans for Multiple UAS from a Generic Mission Description. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 493-509.	3.4	4
123	First experimental results on enhancing hovering performance of unmanned helicopters by using a tethered setup. Robotics and Autonomous Systems, 2016, 79, 147-155.	5.1	10
124	Robust Range-Only SLAM for Unmanned Aerial Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 297-310.	3.4	16
125	Cooperative Decision-Making Under Uncertainties for Multi-Target Surveillance with Multiples UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 371-386.	3.4	58
126	A Distributed Algorithm for Area Partitioning in Grid-Shape and Vector-Shape Configurations with Multiple Aerial Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 543-557.	3.4	11

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127	Ten Years of Cooperation Between Mobile Robots and Sensor Networks. International Journal of Advanced Robotic Systems, 2015, 12, 70.	2.1	15
128	Comparison of motion planning techniques for a multi-rotor UAS equipped with a multi-joint manipulator Arm. , 2015, , .		6
129	Lightweight compliant arm for aerial manipulation. , 2015, , .		40
130	Distributed motion misbehavior detection in teams of heterogeneous aerial robots. Robotics and Autonomous Systems, 2015, 74, 30-39.	5.1	14
131	Unmanned Aerial Systems Physically Interacting with the Environment: Load Transportation, Deployment, and Aerial Manipulation. , 2015, , 2755-2785.		23
132	Localization and mapping for aerial manipulation based on range-only measurements and visual markers. , 2014, , .		13
133	A decentralized algorithm for area surveillance missions using a team of aerial robots with different sensing capabilities. , 2014, , .		26
134	An Adaptive Scheme for Robot Localization and Mapping with Dynamically Configurable Inter-Beacon Range Measurements. Sensors, 2014, 14, 7684-7710.	3.8	11
135	One-to-One Coordination Algorithm for Decentralized Area Partition in Surveillance Missions with a Team of Aerial Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 269-285.	3.4	41
136	Collision-Free 4D Trajectory Planning in Unmanned Aerial Vehicles for Assembly and Structure Construction. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 783-795.	3.4	41
137	Robust range-only SLAM for aerial vehicles. , 2014, , .		3
138	Advances in Modeling and Control of Tethered Unmanned Helicopters to Enhance Hovering Performance. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 3-18.	3.4	30
139	A Survey on Methods for Elaborated Modeling of the Mechanics of a Small-Size Helicopter. Analysis and Comparison. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 219-238.	3.4	15
140	Testbeds for ubiquitous robotics: A survey. Robotics and Autonomous Systems, 2013, 61, 1487-1501.	5.1	35
141	Cooperative Large Area Surveillance with a Team of Aerial Mobile Robots for Long Endurance Missions. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 329-345.	3.4	86
142	On the Use of Tethered Configurations for Augmenting Hovering Stability in Small-size Autonomous Helicopters. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 509-525.	3.4	25
143	A Ground Control Station for a Multi-UAV Surveillance System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 119-130.	3.4	85
144	Undelayed 3D RO-SLAM based on Gaussian-mixture and reduced spherical parametrization. , 2013, , .		20

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145	Decentralized multi-robot cooperation with auctioned POMDPs. International Journal of Robotics Research, 2013, 32, 650-671.	8.5	83
146	Closed-Loop Behavior of an Autonomous Helicopter Equipped with a Robotic Arm for Aerial Manipulation Tasks. International Journal of Advanced Robotic Systems, 2013, 10, 145.	2.1	78
147	Distributed Approach for Coverage and Patrolling Missions with a Team of Heterogeneous Aerial Robots under Communication Constraints. International Journal of Advanced Robotic Systems, 2013, 10, 28.	2.1	43
148	A WSN-Based Tool for Urban and Industrial Fire-Fighting. Sensors, 2012, 12, 15009-15035.	3.8	22
149	Data fusion in ubiquitous networked robot systems for urban services. Annales Des Telecommunications/Annals of Telecommunications, 2012, 67, 355-375.	2.5	9
150	An Unmanned Aircraft System for Automatic Forest Fire Monitoring and Measurement. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 533-548.	3.4	304
151	Modeling and Simulation of the HADA Reconfigurable UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 115-122.	3.4	9
152	Conflict Detection and Resolution Method for Cooperating Unmanned Aerial Vehicles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 495-505.	3.4	40
153	Model-Based Design, Development and Validation for UAS Critical Software. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 103-114.	3.4	22
154	Automatic Forest-Fire Measuring Using Ground Stations and Unmanned Aerial Systems. Sensors, 2011, 11, 6328-6353.	3.8	76
155	Experimental Results in Multi-UAV Coordination for Disaster Management and Civil Security Applications. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 563-585.	3.4	321
156	A distributed architecture for a robotic platform with aerial sensor transportation and selfâ€deployment capabilities. Journal of Field Robotics, 2011, 28, 303-328.	6.0	77
157	Autonomous transportation and deployment with aerial robots for search and rescue missions. Journal of Field Robotics, 2011, 28, 914-931.	6.0	303
158	An Integrated Testbed for Cooperative Perception with Heterogeneous Mobile and Static Sensors. Sensors, 2011, 11, 11516-11543.	3.8	46
159	Data Retrieving From Heterogeneous Wireless Sensor Network Nodes Using UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2010, 60, 133-151.	3.4	38
160	Decentralized Sensor Fusion for Ubiquitous Networking Robotics in Urban Areas. Sensors, 2010, 10, 2274-2314.	3.8	37
161	Virtual Sensor for Failure Detection, Identification and Recovery in the Transition Phase of a Morphing Aircraft. Sensors, 2010, 10, 2188-2201.	3.8	42
162	Distributed Service-Based Cooperation in Aerial/Ground Robot Teams Applied to Fire Detection and Extinguishing Missions. Advanced Robotics, 2010, 24, 1-23.	1.8	71

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163	Multi-Unmanned Aerial Vehicle (UAV) Cooperative Fault Detection Employing Differential Global Positioning (DGPS), Inertial and Vision Sensors. Sensors, 2009, 9, 7566-7579.	3.8	63
164	Unmanned Aerial Vehicle Localization Based on Monocular Vision and Online Mosaicking. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 55, 323-343.	3.4	39
165	Stability of autonomous vehicle path tracking with pure delays in the control loop. Advanced Robotics, 2007, 21, 23-50.	1.8	38
166	Multiple UAV cooperative searching operation using polygon area decomposition and efficient coverage algorithms. , 2007, , 221-230.		171
167	Laboratory fire spread analysis using visual and infrared images. International Journal of Wildland Fire, 2006, 15, 179.	2.4	21
168	A cooperative perception system for multiple UAVs: Application to automatic detection of forest fires. Journal of Field Robotics, 2006, 23, 165-184.	6.0	239
169	Control and perception techniques for aerial robotics. Annual Reviews in Control, 2004, 28, 167-178.	7.9	124
170	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 28, 85-123.	3.4	23
171	A mobile robot iconic position estimator using a radial laser scanner. Journal of Intelligent and Robotic Systems: Theory and Applications, 1995, 13, 161-179.	3.4	31
172	Mobile robot path planning for fineâ€grained and smooth path spcification. Journal of Field Robotics, 1995, 12, 491-503.	0.7	8