

Claudio Rossi

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,099
citations

687363

13
h-index

454955

30
g-index

67
all docs

67
docs citations

67
times ranked

1371
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerial remote sensing in agriculture: A practical approach to area coverage and path planning for fleets of mini aerial robots. <i>Journal of Field Robotics</i> , 2011, 28, 667-689.	6.0	209
2	An Air-Ground Wireless Sensor Network for Crop Monitoring. <i>Sensors</i> , 2011, 11, 6088-6108.	3.8	142
3	Tracking Moving Optima Using Kalman-Based Predictions. <i>Evolutionary Computation</i> , 2008, 16, 1-30.	3.0	139
4	Early detection and information extraction for weather-induced floods using social media streams. <i>International Journal of Disaster Risk Reduction</i> , 2018, 30, 145-157.	3.9	67
5	Design and assessment of a flexible fish robot actuated by shape memory alloys. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 056009.	2.9	50
6	Annealed replication: a new heuristic for the maximum clique problem. <i>Discrete Applied Mathematics</i> , 2002, 121, 27-49.	0.9	44
7	A heterogeneous multi-criteria multi-expert decision-support system for scoring combinations of flood mitigation and recovery options. <i>Environmental Modelling and Software</i> , 2013, 49, 152-165.	4.5	35
8	River segmentation for flood monitoring. , 2017, , .		32
9	Bio-inspired fish robot based on chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 325-329.	7.8	28
10	An adaptive evolutionary algorithm for the satisfiability problem. , 2000, , .		23
11	Modeling and Control of Underwater Mine Explorer Robot UX-1. <i>IEEE Access</i> , 2019, 7, 39432-39447.	4.2	19
12	SQL versus NoSQL databases for geospatial applications. , 2017, , .		18
13	Motion Control of Underwater Mine Explorer Robot UX-1: Field Trials. <i>IEEE Access</i> , 2019, 7, 99782-99803.	4.2	18
14	Modular robot systems towards the execution of cooperative tasks in large facilities. <i>Robotics and Autonomous Systems</i> , 2015, 66, 159-174.	5.1	17
15	Nonlinear Attitude Control of a Spherical Underwater Vehicle. <i>Sensors</i> , 2019, 19, 1445.	3.8	14
16	3GOL. , 2013, , .		13
17	A Comparative Analysis for Air Quality Estimation from Traffic and Meteorological Data. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4587.	2.5	13
18	Online search engines and online travel agencies: A Comparative Approach. <i>Journal of Hospitality and Tourism Research</i> , 2021, 45, 720-749.	2.9	12

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19	Functional Self-Awareness and Metacontrol for Underwater Robot Autonomy. <i>Sensors</i> , 2021, 21, 1210.	3.8	12
20	Simultaneous task subdivision and allocation for teams of heterogeneous robots. , 2009, , .		11
21	AURORA. <i>Performance Evaluation Review</i> , 2016, 44, 76-81.	0.6	11
22	A negotiation support system for disputes between Iraq and Turkey over the Tigris-Euphrates basin. <i>Journal of Hydrology</i> , 2014, 514, 65-84.	5.4	10
23	A service oriented cloud-based architecture for mobile geolocated emergency services. <i>Concurrency Computation Practice and Experience</i> , 2017, 29, e4051.	2.2	10
24	A Cloud-Based Approach to GNSS Augmentation for Navigation Services. , 2014, , .		9
25	Cooperative Energy-Efficient Management of Federated WiFi Networks. <i>IEEE Transactions on Mobile Computing</i> , 2015, 14, 2201-2215.	5.8	9
26	Two adaptive mutation operators for optima tracking in dynamic optimization problems with evolution strategies. , 2007, , .		7
27	Coupling crowdsourcing, earth observations, and E-GNSS in a novel flood emergency service in the cloud. , 2015, , .		7
28	Filtering informative tweets during emergencies. , 2017, , .		7
29	The ESA Lunar Robotics Challenge: Simulating operations at the lunar south pole. <i>Journal of Field Robotics</i> , 2012, 29, 601-626.	6.0	6
30	Local cooperative caching policies in multi-hop D2D networks. , 2014, , .		6
31	Simultaneous Task Subdivision and Allocation Using Negotiations in Multi-Robot Systems. <i>International Journal of Advanced Robotic Systems</i> , 2015, 12, 16.	2.1	6
32	Effects of Elastic Hinges on Input Torque Requirements for a Motorized Indirect-Driven Flapping-Wing Compliant Transmission Mechanism. <i>IEEE Access</i> , 2019, 7, 13068-13077.	4.2	6
33	Guidance for Autonomous Underwater Vehicles in Confined Semistructured Environments. <i>Sensors</i> , 2020, 20, 7237.	3.8	6
34	An analytical model for comparing the profitability of competing online marketing channels: Search engine marketing versus e-commerce marketplace. <i>Journal of Marketing Theory and Practice</i> , 2021, 29, 534-549.	4.3	6
35	Nonlinear Control Strategies for an Autonomous Wing-In-Ground-Effect Vehicle. <i>Sensors</i> , 2021, 21, 4193.	3.8	6
36	Bandwidth Monitoring in Multi-Rate 802.11 WLANs with Elastic Traffic Awareness. , 2011, , .		5

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37	Coupling early warning services, crowdsourcing, and modelling for improved decision support and wildfire emergency management. , 2017, , .		5
38	A language-agnostic approach to exact informative tweets during emergency situations. , 2017, , .		5
39	Cooperative task execution between modular robots based on tight-loose cooperation strategies. , 2011, , .		4
40	Virtual-work-based optimization design on compliant transmission mechanism for flapping-wing aerial vehicles. , 2016, , .		4
41	Gamified crowdsourcing for disaster risk management. , 2017, , .		4
42	Multilingual Text Classification from Twitter during Emergencies. , 2021, , .		4
43	A Contrastive Distillation Approach for Incremental Semantic Segmentation in Aerial Images. Lecture Notes in Computer Science, 2022, , 742-754.	1.3	4
44	Energy-efficient wireless resource sharing for federated residential networks. , 2012, , .		3
45	Evaluating FLOODIS: Mobile sensing for a flood emergency service in the cloud. , 2015, , .		3
46	On the evaluation of cloud web services for crowdsourcing mobile applications. , 2016, , .		3
47	Negotiation of target points for teams of heterogeneous robots: an application to exploration. , 2009, , .		2
48	Energy-efficient wi-fi gateways for federated residential networks. , 2013, , .		2
49	Co-design of a crowdsourcing solution for disaster risk reduction. , 2017, , .		2
50	Localization of emergency first responders using UWB/GNSS with cloud-based augmentation. , 2017, , .		2
51	A Partially Reliable Transport Protocol for Multiple-Description Real-Time Multimedia Traffic. , 2006, , .		1
52	A new metric for admission control in multi-rate 802.11 WLANs. , 2011, , .		1
53	Transparent Bandwidth Aggregation for Residential Access Networks. , 2015, , .		1
54	Biophilic Evolutionary Buildings that Restore the Experience of Animality in the City. Lecture Notes in Computer Science, 2015, , 465-472.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Evolutionary Training of Robotised Architectural Elements. Lecture Notes in Computer Science, 2015, , 819-830.	1.3	1
56	A spatial decision support system for optimally locating treatment plants for safe wastewater reuse: an application to Saudi Arabia. , 0, 178, 1-20.		1
57	Pose Estimation with Multiple Sources Using Evolutionary Algorithms. , 2007, , .		0
58	Power-boosting residential wired broadband. , 2013, , .		0
59	Can wireless support wired broadband? A practical showcase for residential networks. , 2013, , .		0
60	Transparent Bandwidth Aggregation for Residential Access Networks. , 2014, , .		0
61	Transparent bandwidth aggregation for residential access networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3138.	3.9	0
62	Evolutionary Learning of Basic Functionalities for Snake-Like Robots. Advances in Intelligent Systems and Computing, 2014, , 391-406.	0.6	0
63	Role and Activities of Revenue Manager between Individual and Team Competencies: Empirical Evidence in a Tourist Destination. Journal of Service Science and Management, 2019, 12, 832-858.	0.5	0
64	uAQE: Urban Air Quality Evaluator. Lecture Notes in Computer Science, 2019, , 337-343.	1.3	0