

Adrian Burlacu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9021563/publications.pdf>

Version: 2024-02-01

50
papers

446
citations

1306789

7
h-index

1058022

14
g-index

52
all docs

52
docs citations

52
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Inspired Control System for Fingers Actuated by Multiple SMA Actuators. Biomimetics, 2022, 7, 62.	1.5	6
2	Sensory Substitution for the Visually Impaired: A Study on the Usability of the Sound of Vision System in Outdoor Environments. Electronics (Switzerland), 2021, 10, 1619.	1.8	5
3	Ground plane detection for wearable assistive devices for the visually impaired. , 2021, , .		0
4	A different approach to solving the PBVS control problem. , 2020, , .		4
5	Collision Free Path Planning for Unmanned Aerial Vehicles in Environments with Dynamic Obstacles. , 2020, , .		1
6	Bioinspired SNN for robotic joint control. , 2020, , .		2
7	On the Evaluation of the Crazyflie Modular Quadcopter System. , 2019, , .		9
8	Optimal Indoor Goods Delivery Using Drones. , 2019, , .		6
9	Robotic Joint Control System based on Analogue Spiking Neural Networks and SMA Actuators. , 2019, , .		6
10	Stereo Vision Based Sensory Substitution for the Visually Impaired. Sensors, 2019, 19, 2771.	2.1	33
11	Numerical Evaluation of Sample Gathering Solutions for Mobile Robots. Applied Sciences (Switzerland), 2019, 9, 791.	1.3	4
12	Path Planning for Autonomous Drones using 3D Rectangular Cuboid Decomposition. , 2019, , .		9
13	Intelligent Motion Planning and Control for Robotic Joints Using Bio-Inspired Spiking Neural Networks. International Journal of Humanoid Robotics, 2019, 16, 1950012.	0.6	7
14	Stereo vision based environment analysis and perception for autonomous driving applications. , 2018, , .		6
15	Stable hovering architecture for nanoquadcopter applications in indoor environments. , 2018, , .		4
16	Negative obstacle detection for wearable assistive devices for visually impaired. , 2017, , .		12
17	Computer Vision for the Visually Impaired: the Sound of Vision System. , 2017, , .		52
18	Ground geometry assessment in complex stereo vision based applications. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Defect Detection in Porcelain Industry Based on Deep Learning Techniques. , 2017, , .		15
20	Orthogonal dual tensor method for solving the $A X = X B$ sensor calibration problem. Mechanism and Machine Theory, 2016, 104, 382-404.	2.7	66
21	On some implementation issues in robot-to-area allocation problems. , 2016, , .		0
22	Iterative closest point problem: A tensorial approach to finding the initial guess. , 2016, , .		3
23	Robust ground plane detection and tracking in stereo sequences using camera orientation. , 2016, , .		12
24	Obstacle detection in stereo sequences using multiple representations of the disparity map. , 2016, , .		9
25	Wahba Problem in $SO(3)$ Dual Algebra. , 2016, , .		0
26	Sample gathering problem for different robots with limited capacity. , 2016, , .		4
27	Numerical simulations and comparative study for auction-based sample gathering solutions. , 2015, , .		0
28	On Board Exact Solution to the Full Body Relative Orbital Motion Problem. , 2014, , .		0
29	Trading optimality for computational feasibility in a sample gathering problem. , 2014, , .		1
30	Kinematic evaluation of articulated rigid objects. , 2014, , .		0
31	Dual Lie Algebra Representations of the Rigid Body Motion. , 2014, , .		13
32	Predictive control architecture for real-time image moments based servoing of robot manipulators. Journal of Intelligent Manufacturing, 2014, 25, 1125-1134.	4.4	13
33	Dual tensors based solutions for rigid body motion parameterization. Mechanism and Machine Theory, 2014, 74, 390-412.	2.7	50
34	Optimal multi-agent planning solution for a sample gathering problem. , 2014, , .		4
35	A knowledge based decision support system for case oriented diagnosis of diabetic cats. Journal of Biotechnology, 2014, 185, S37.	1.9	0
36	Vision-Guided Robot Manipulation Predictive Control for Automating Manufacturing. Studies in Computational Intelligence, 2014, , 313-328.	0.7	4

#	ARTICLE	IF	CITATIONS
37	A fractional order control strategy for visual servoing systems. Mechatronics, 2013, 23, 848-855.	2.0	25
38	Multi-robot based implementation for a sample gathering problem. , 2013, , .		7
39	Reference Trajectory-Based Visual Predictive Control. Advanced Robotics, 2012, 26, 1035-1054.	1.1	8
40	On a Class of Multi-Robot Task Allocation Problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 841-846.	0.4	5
41	Unified point and image moment features for image based predictive visual servoing systems. , 2012, , .		1
42	Real-time visual predictive control of manipulation systems. , 2011, , .		3
43	Visual predictive control architecture based on image moments for manipulator robots. , 2011, , .		7
44	Some AI Based Approaches on Mobile Robots Motion Planning. Solid State Phenomena, 2010, 166-167, 101-108.	0.3	1
45	An Hausdorff distance based approach for evaluation of image moments in servoing applications. , 2010, , .		0
46	Visual control architecture of servoing systems based on image moments. , 2010, , .		0
47	Image moments based visual control algorithm for servoing systems. , 2009, , .		0
48	Image features detection using phase congruency and its application in visual servoing. , 2008, , .		10
49	Dynamic simulation model for image based visual servo control systems. , 2008, , .		4
50	Modeling of visual servo open-loop for robot manipulators. , 2008, , .		2