

Junaed Sattar

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,428
citations

1039880

9
h-index

1281743

11
g-index

34
all docs

34
docs citations

34
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Direct Stereo Visual SLAM. IEEE Robotics and Automation Letters, 2022, 7, 778-785.	3.3	12
2	Robot Communication Via Motion: A Study on Modalities for Robot-to-Human Communication in the Field. ACM Transactions on Human-Robot Interaction, 2022, 11, 1-40.	3.2	6
3	Continuous-Time Spline Visual-Inertial Odometry. , 2022, , .		3
4	ROW-SLAM: Under-Canopy Cornfield Semantic SLAM. , 2022, , .		2
5	Using Monocular Vision and Human Body Priors for AUVs to Autonomously Approach Divers. , 2022, , .		5
6	Robot-to-robot relative pose estimation using humans as markers. Autonomous Robots, 2021, 45, 579-593.	3.2	11
7	Semantically-Aware Strategies for Stereo-Visual Robotic Obstacle Avoidance. , 2021, , .		4
8	Towards Robust Visual Diver Detection Onboard Autonomous Underwater Robots: Assessing the Effects of Models and Data1. , 2021, , .		1
9	Predicting the Future Motion of Divers for Enhanced Underwater Human-Robot Collaboration. , 2021, , .		3
10	Underwater Image Super-Resolution using Deep Residual Multipliers. , 2020, , .		39
11	Fast Underwater Image Enhancement for Improved Visual Perception. IEEE Robotics and Automation Letters, 2020, 5, 3227-3234.	3.3	522
12	Semantic Segmentation of Underwater Imagery: Dataset and Benchmark. , 2020, , .		79
13	A Fast and Robust Place Recognition Approach for Stereo Visual Odometry Using LiDAR Descriptors. , 2020, , .		8
14	Design and Experiments with LoCO AUV: A Low Cost Open-Source Autonomous Underwater Vehicle. , 2020, , .		23
15	Robotic Detection of Marine Litter Using Deep Visual Detection Models. , 2019, , .		79
16	Visual Diver Recognition for Underwater Human-Robot Collaboration. , 2019, , .		12
17	Person-following by autonomous robots: A categorical overview. International Journal of Robotics Research, 2019, 38, 1581-1618.	5.8	77
18	Understanding human motion and gestures for underwater human-robot collaboration. Journal of Field Robotics, 2019, 36, 851-873.	3.2	47

#	ARTICLE	IF	CITATIONS
19	Extending Monocular Visual Odometry to Stereo Camera Systems by Scale optimization. , 2019, , .		5
20	Toward a Generic Diver-Following Algorithm: Balancing Robustness and Efficiency in Deep Visual Detection. IEEE Robotics and Automation Letters, 2019, 4, 113-120.	3.3	50
21	Visual identification of biological motion for underwater human-robot interaction. Autonomous Robots, 2018, 42, 111-124.	3.2	2
22	Underwater multi-robot convoying using visual tracking by detection. , 2017, , .		38
23	SmartTalk: A Learning-Based Framework for Natural Human-Robot Interaction. , 2016, , .		1
24	Towards quantitative modeling of task confirmations in human-robot dialog. , 2011, , .		10
25	Graphical state-space programmability as a natural interface for robotic control. , 2010, , .		3
26	Telepresence across the Ocean. , 2010, , .		4
27	Sensor-based Behavior Control for an Autonomous Underwater Vehicle. International Journal of Robotics Research, 2009, 28, 701-713.	5.8	13
28	A Vision-Based Control and Interaction Framework for a Legged Underwater Robot. , 2009, , .		10
29	Robust servo-control for underwater robots using banks of visual filters. , 2009, , .		15
30	Enabling autonomous capabilities in underwater robotics. , 2008, , .		46
31	A Visual Language for Robot Control and Programming: A Human-Interface Study. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	44
32	Where is your dive buddy: tracking humans underwater using spatio-temporal features. , 2007, , .		28
33	Fourier tags: Smoothly degradable fiducial markers for use in human-robot interaction. , 2007, , .		46
34	AQUA: An Amphibious Autonomous Robot. Computer, 2007, 40, 46-53.	1.2	180