Kim Mathiassen

List of Publications by Year
in descending order

15	207	1684188 5	1872680 6
papers	citations	h-index	g-index

15	15	15	230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physics-Based Simulation and Control Framework for Steering a Magnetically-Actuated Guidewire. , 2022, , .		0
2	Demonstrating Interoperability Between Unmanned Ground Systems and Command and Control Systems. International Journal of Intelligent Defence Support Systems, 2021, 6, 1.	0.1	0
3	Evaluation of Two Path Following Controllers for an Ackermann Off-road Vehicle in Winter and Summer Conditions. , 2021, , .		1
4	A Recurrent Neural-Network-Based Real-Time Dynamic Model for Soft Continuum Manipulators. Frontiers in Robotics and AI, 2021, 8, 631303.	3.2	17
5	Making the Milrem Themis UGV ready for autonomous operations. , 2021, , .		2
6	Path Planning for UGVs Based on Traversability Hybrid A*. IEEE Robotics and Automation Letters, 2021, 6, 1216-1223.	5.1	27
7	In-operation calibration of clock-bias and intrinsic parameters for pan-tilt-zoom cameras based on keypoint tracking. , 2020, , .		0
8	Battle Management Language for Robotic Systems. Lecture Notes in Computer Science, 2019, , 302-320.	1.3	1
9	Robust Real-Time Needle Tracking in 2-D Ultrasound Images Using Statistical Filtering. IEEE Transactions on Control Systems Technology, 2017, 25, 966-978.	5.2	23
10	An Ultrasound Robotic System Using the Commercial Robot UR5. Frontiers in Robotics and AI, 2016, 3, .	3.2	85
11	Visual servoing of a medical ultrasound probe for needle insertion. , 2016, , .		3
12	Development of a Cognitive Robotic System for Simple Surgical Tasks. International Journal of Advanced Robotic Systems, 2015, 12, 37.	2.1	35
13	Real-time biopsy needle tip estimation in 2D ultrasound images. , 2013, , .		12
14	A low cost navigation unit for positioning of personnel after loss of GPS position. , 2010, , .		1
15	Towards Autonomous Robotic Biopsyâ€"Design, Modeling and Control of a Robot for Needle Insertion of a Commercial Full Core Biopsy Instrument. Frontiers in Robotics and AI, 0, 9, .	3.2	0