

# Kim Mathiassen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8975196/publications.pdf>

Version: 2024-02-01

15  
papers

207  
citations

1684188

5  
h-index

1872680

6  
g-index

15  
all docs

15  
docs citations

15  
times ranked

230  
citing authors

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