

Lars Kunze

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

872
citations

1040056

9
h-index

1058476

14
g-index

33
all docs

33
docs citations

33
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	The STRANDS Project: Long-Term Autonomy in Everyday Environments. IEEE Robotics and Automation Magazine, 2017, 24, 146-156.	2.0	126
2	Artificial Intelligence for Long-Term Robot Autonomy: A Survey. IEEE Robotics and Automation Letters, 2018, 3, 4023-4030.	5.1	113
3	RoboEarth Semantic Mapping: A Cloud Enabled Knowledge-Based Approach. IEEE Transactions on Automation Science and Engineering, 2015, 12, 432-443.	5.2	84
4	Towards semantic robot description languages. , 2011, , .		75
5	Explanations in Autonomous Driving: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10142-10162.	8.0	67
6	KNOWROB-MAP - knowledge-linked semantic object maps. , 2010, , .		54
7	Cognition-Enabled Autonomous Robot Control for the Realization of Home Chore Task Intelligence. Proceedings of the IEEE, 2012, 100, 2454-2471.	21.3	48
8	Using Qualitative Spatial Relations for indirect object search. , 2014, , .		42
9	Envisioning the qualitative effects of robot manipulation actions using simulation-based projections. Artificial Intelligence, 2017, 247, 352-380.	5.8	38
10	Searching objects in large-scale indoor environments: A decision-theoretic approach. , 2012, , .		29
11	The Right (Angled) Perspective: Improving the Understanding of Road Scenes Using Boosted Inverse Perspective Mapping. , 2019, , .		23
12	Reading between the Lanes: Road Layout Reconstruction from Partially Segmented Scenes. , 2018, , .		22
13	Combining top-down spatial reasoning and bottom-up object class recognition for scene understanding. , 2014, , .		20
14	Putting People's Common Sense into Knowledge Bases of Household Robots. Lecture Notes in Computer Science, 2010, , 151-159.	1.3	16
15	Logic programming with simulation-based temporal projection for everyday robot object manipulation. , 2011, , .		15
16	Online Inference and Detection of Curbs in Partially Occluded Scenes with Sparse LIDAR. , 2019, , .		13
17	Assessing and Explaining Collision Risk in Dynamic Environments for Autonomous Driving Safety. , 2021, , .		13
18	Semantic web-mining and deep vision for lifelong object discovery. , 2017, , .		12

#	ARTICLE	IF	CITATIONS
19	Simulation and HRI Recent Perspectives with the MORSE Simulator. Lecture Notes in Computer Science, 2014, , 13-24.	1.3	10
20	Making Sense of Indoor Spaces Using Semantic Web Mining and Situated Robot Perception. Lecture Notes in Computer Science, 2017, , 299-313.	1.3	9
21	Acquiring task models for imitation learning through games with a purpose. , 2013, , .		8
22	Towards Accountability: Providing Intelligible Explanations in Autonomous Driving. , 2021, , .		8
23	LiDAR Lateral Localisation Despite Challenging Occlusion from Traffic. , 2020, , .		5
24	Why Not Explain? Effects of Explanations on Human Perceptions of Autonomous Driving. , 2021, , .		5
25	Senseâ€“Assessâ€“eXplain (SAX): Building Trust in Autonomous Vehicles in Challenging Real-World Driving Scenarios. , 2020, , .		5
26	Introduction to the Special Issue on AI for Long-Term Autonomy. IEEE Robotics and Automation Letters, 2018, 3, 4431-4434.	5.1	2
27	Special Issue on Reintegrating Artificial Intelligence and Robotics. KI - Kunstliche Intelligenz, 2019, 33, 315-317.	3.2	2
28	A Philosophically Motivated View on AI and Robotics. KI - Kunstliche Intelligenz, 2019, 33, 429-445.	3.2	2
29	Generating All the Roads to Rome: Road Layout Randomization for Improved Road Marking Segmentation. , 2019, , .		2
30	Adaptive sampling-based view planning under time constraints. , 2017, , .		1
31	Can We Stop the Academic AI Brain Drain?. KI - Kunstliche Intelligenz, 2019, 33, 1-3.	3.2	1
32	Build Back Better with Responsible AI. KI - Kunstliche Intelligenz, 2021, 35, 1-3.	3.2	1
33	Donâ€™t Blindly Trust Your CNN: Towards Competency-Aware Object Detection by Evaluating Novelty in Open-Ended Environments. , 2021, , .		1