

Freek Stulp

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2182023/publications.pdf>

Version: 2024-02-01

35
papers

1,114
citations

759233

12
h-index

677142

22
g-index

35
all docs

35
docs citations

35
times ranked

1094
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning variable impedance control. International Journal of Robotics Research, 2011, 30, 820-833.	8.5	257
2	Reinforcement Learning With Sequences of Motion Primitives for Robust Manipulation. IEEE Transactions on Robotics, 2012, 28, 1360-1370.	10.3	147
3	Many regression algorithms, one unified model: A review. Neural Networks, 2015, 69, 60-79.	5.9	139
4	A Survey on Policy Search Algorithms for Learning Robot Controllers in a Handful of Trials. IEEE Transactions on Robotics, 2020, 36, 328-347.	10.3	78
5	Learning compact parameterized skills with a single regression. , 2013, , .		54
6	Movement segmentation using a primitive library. , 2011, , .		51
7	Policy search in continuous action domains: An overview. Neural Networks, 2019, 113, 28-40.	5.9	42
8	Iteratively Refined Feasibility Checks in Robotic Assembly Sequence Planning. IEEE Robotics and Automation Letters, 2019, 4, 1416-1423.	5.1	33
9	Intuitive Task-Level Programming by Demonstration Through Semantic Skill Recognition. IEEE Robotics and Automation Letters, 2019, 4, 3742-3749.	5.1	30
10	Pattern Recognition for Knowledge Transfer in Robotic Assembly Sequence Planning. IEEE Robotics and Automation Letters, 2020, 5, 3666-3673.	5.1	28
11	Fusing Joint Measurements and Visual Features for In-Hand Object Pose Estimation. IEEE Robotics and Automation Letters, 2018, 3, 3497-3504.	5.1	26
12	Object-Level Impedance Control for Dexterous In-Hand Manipulation. IEEE Robotics and Automation Letters, 2020, 5, 2987-2994.	5.1	26
13	Continuous, Real-Time Emotion Annotation: A Novel Joystick-Based Analysis Framework. IEEE Transactions on Affective Computing, 2020, 11, 78-84.	8.3	25
14	Shared Control Templates for Assistive Robotics. , 2020, , .		25
15	Optimizing Contextual Ergonomics Models in Human-Robot Interaction. , 2018, , .		22
16	Teleoperating Robots from the International Space Station: Microgravity Effects on Performance with Force Feedback. , 2019, , .		19
17	Sensorimotor performance and haptic support in simulated weightlessness. Experimental Brain Research, 2020, 238, 2373-2384.	1.5	17
18	Adaptive exploration for continual reinforcement learning. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
19	Sensorimotor impairment and haptic support in microgravity. <i>Experimental Brain Research</i> , 2021, 239, 967-981.	1.5	11
20	Simultaneous on-line Discovery and Improvement of Robotic Skill options. , 2014, , .		9
21	A Digital Twin Approach for Contextual Assistance for Surgeons During Surgical Robotics Training. <i>Frontiers in Robotics and AI</i> , 2021, 8, 735566.	3.2	9
22	Toward Seamless Transitions Between Shared Control and Supervised Autonomy in Robotic Assistance. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 3833-3840.	5.1	7
23	Autonomous Parallelization of Resource-Aware Robotic Task Nodes. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 2599-2606.	5.1	5
24	A functional data analysis approach for continuous 2-D emotion annotations. <i>Web Intelligence</i> , 2019, 17, 41-52.	0.2	5
25	Tensor Based Knowledge Transfer Across Skill Categories for Robot Control. , 2017, , .		5
26	DmpBbo: A versatile Python/C++ library for Function Approximation, Dynamical Movement Primitives, and Black-Box Optimization. <i>Journal of Open Source Software</i> , 2019, 4, 1225.	4.6	5
27	Latent Ergonomics Maps: Real-Time Visualization of Estimated Ergonomics of Human Movements. <i>Sensors</i> , 2022, 22, 3981.	3.8	5
28	Design, Execution, and Postmortem Analysis of Prolonged Autonomous Robot Operations. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 1056-1063.	5.1	4
29	Robust, Locally Guided Peg-in-Hole using Impedance-Controlled Robots. , 2020, , .		4
30	Fault-Tolerant Six-DoF Pose Estimation for Tendon-Driven Continuum Mechanisms. <i>Frontiers in Robotics and AI</i> , 2021, 8, 619238.	3.2	4
31	Flexible Robotic Assembly Based on Ontological Representation of Tasks, Skills, and Resources. , 2021, , .		3
32	Learning and Interactive Design of Shared Control Templates. , 2021, , .		3
33	Friction Estimation for Tendon-Driven Robotic Hands. , 2021, , .		2
34	Unsupervised symbol emergence for supervised autonomy using multi-modal latent Dirichlet allocations. <i>Advanced Robotics</i> , 2022, 36, 71-84.	1.8	2
35	CATs: Task Planning for Shared Control of Assistive Robots with Variable Autonomy. , 2022, , .		1