

# Adriã Colomã©

## List of Publications by Year in descending order

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24  
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29  
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docs citations

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times ranked

376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbation-Based Stiffness Inference in Variable Impedance Control. IEEE Robotics and Automation Letters, 2022, 7, 8823-8830.	5.1	8
2	Task-Adaptive Robot Learning From Demonstration With Gaussian Process Models Under Replication. IEEE Robotics and Automation Letters, 2021, 6, 966-973.	5.1	11
3	A topological extension of movement primitives for curvature modulation and sampling of robot motion. Autonomous Robots, 2021, 45, 725-735.	4.8	0
4	Reinforcement Learning of Bimanual Robot Skills. Springer Tracts in Advanced Robotics, 2020, , .	0.4	5
5	Sample-Efficient Robot Motion Learning using Gaussian Process Latent Variable Models. , 2020, , .		7
6	Dimensionality Reduction with Movement Primitives. Springer Tracts in Advanced Robotics, 2020, , 109-146.	0.4	0
7	Robot Compliant Control. Springer Tracts in Advanced Robotics, 2020, , 53-72.	0.4	0
8	Inverse Kinematics and Relative Arm Positioning. Springer Tracts in Advanced Robotics, 2020, , 25-52.	0.4	0
9	Contextual Policy Search for Micro-Data Robot Motion Learning through Covariate Gaussian Process Latent Variable Models. , 2020, , .		2
10	Exploiting Symmetries in Reinforcement Learning of Bimanual Robotic Tasks. IEEE Robotics and Automation Letters, 2019, 4, 1838-1845.	5.1	9
11	Reward-Weighted GMM and Its Application to Action-Selection in Robotized Shoe Dressing. Advances in Intelligent Systems and Computing, 2018, , 141-152.	0.6	1
12	Dimensionality Reduction for Dynamic Movement Primitives and Application to Bimanual Manipulation of Clothes. IEEE Transactions on Robotics, 2018, 34, 602-615.	10.3	39
13	Robot motion adaptation through user intervention and reinforcement learning. Pattern Recognition Letters, 2018, 105, 67-75.	4.2	13
14	Dimensionality Reduction in Learning Gaussian Mixture Models of Movement Primitives for Contextualized Action Selection and Adaptation. IEEE Robotics and Automation Letters, 2018, 3, 3922-3929.	5.1	7
15	Dual REPS: A Generalization of Relative Entropy Policy Search Exploiting Bad Experiences. IEEE Transactions on Robotics, 2017, 33, 978-985.	10.3	6
16	User Evaluation of an Interactive Learning Framework for Single-Arm and Dual-Arm Robots. Lecture Notes in Computer Science, 2016, , 52-61.	1.3	6
17	A friction-model-based framework for Reinforcement Learning of robotic tasks in non-rigid environments. , 2015, , .		39
18	Closed-Loop Inverse Kinematics for Redundant Robots: Comparative Assessment and Two Enhancements. IEEE/ASME Transactions on Mechatronics, 2015, 20, 944-955.	5.8	97

#	ARTICLE	IF	CITATIONS
19	Dimensionality reduction for probabilistic movement primitives. , 2014, , .		20
20	Dimensionality reduction and motion coordination in learning trajectories with Dynamic Movement Primitives. , 2014, , .		12
21	Realtime tracking and grasping of a moving object from range video. , 2014, , .		23
22	Positioning Two Redundant Arms for Cooperative Manipulation of Objects. Mechanisms and Machine Science, 2014, , 121-129.	0.5	0
23	External force estimation during compliant robot manipulation. , 2013, , .		69
24	Redundant inverse kinematics: Experimental comparative review and two enhancements. , 2012, , .		29