Marcel Menner

List of Publications by Year
in descending order

14 papers	476 citations	1478505 6 h-index	1372567 10 g-index
14 all docs	14 docs citations	14 times ranked	277 citing authors

#	Article	IF	Citations
1	Learning-Based Model Predictive Control: Toward Safe Learning in Control. Annual Review of Control, Robotics, and Autonomous Systems, 2020, 3, 269-296.	11.8	335
2	Interaction-Aware Motion Prediction for Autonomous Driving: A Multiple Model Kalman Filtering Scheme. IEEE Robotics and Automation Letters, 2021, 6, 80-87.	5.1	41
3	Constrained Inverse Optimal Control With Application to a Human Manipulation Task. IEEE Transactions on Control Systems Technology, 2021, 29, 826-834.	5.2	24
4	Inverse Learning for Data-Driven Calibration of Model-Based Statistical Path Planning. IEEE Transactions on Intelligent Vehicles, 2021, 6, 131-145.	12.7	16
5	Convex Formulations and Algebraic Solutions for Linear Quadratic Inverse Optimal Control Problems. , 2018, , .		14
6	Maximum Likelihood Methods for Inverse Learning of Optimal Controllers. IFAC-PapersOnLine, 2020, 53, 5266-5272.	0.9	9
7	Inverse Learning for Human-Adaptive Motion Planning. , 2019, , .		7
8	Using Human Ratings for Feedback Control: A Supervised Learning Approach With Application to Rehabilitation Robotics. IEEE Transactions on Robotics, 2020, 36, 789-801.	10.3	7
9	Knee Compliance Reduces Peak Swing Phase Collision Forces in a Lower-Limb Exoskeleton Leg: A Test Bench Evaluation. IEEE Transactions on Biomedical Engineering, 2021, 68, 535-544.	4.2	6
10	Data-Driven Investigation of Gait Patterns in Individuals Affected by Normal Pressure Hydrocephalus. Sensors, 2021, 21, 6451.	3.8	6
11	Auto-Tuning of Controller and Online Trajectory Planner for Legged Robots. IEEE Robotics and Automation Letters, 2022, 7, 7802-7809.	5.1	5
12	Robust Design of Adaptive Output Feedback Controllers for Direct Feedthrough Systems. Journal of Guidance, Control, and Dynamics, 2018, 41, 1919-1928.	2.8	4
13	A Kalman Filter for Online Calibration of Optimal Controllers. , 2021, , .		2
14	Analytical integration of 0th, 2nd, and 4th order polynomial filtering functions on unstructured grid for dispersed phase fraction computation in an Euler–Lagrange approach. International Journal of Multiphase Flow, 2018, 98, 147-157.	3.4	0