Luka Petrovic

List of Publications by Year
in descending order

13 papers	**70** citations	1684188 **5** h-index	1720034 **7** g-index
13 all docs	**13** docs citations	**13** times ranked	**35** citing authors

#	Article	IF	Citations
1	Spatiotemporal Multisensor Calibration via Gaussian Processes Moving Target Tracking. IEEE Transactions on Robotics, 2021, 37, 1401-1415.	10.3	18
2	Cross-entropy based stochastic optimization of robot trajectories using heteroscedastic continuous-time Gaussian processes. Robotics and Autonomous Systems, 2020, 133, 103618.	5.1	12
3	Open Platform Based Mobile Robot Control for Automation in Manufacturing Logistics. IFAC-PapersOnLine, 2019, 52, 95-100.	0.9	9
4	A Riemannian metric for geometry-aware singularity avoidance by articulated robots. Robotics and Autonomous Systems, 2021, 145, 103865.	5.1	7
5	Mixtures of Gaussian Processes for Robot Motion Planning Using Stochastic Trajectory Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7378-7390.	9.3	6
6	Multi-agent Gaussian Process Motion Planning via Probabilistic Inference. IFAC-PapersOnLine, 2018, 51, 160-165.	0.9	5
7	Human action prediction in collaborative environments based on shared-weight LSTMs with feature dimensionality reduction. Applied Soft Computing Journal, 2022, 126, 109245.	7.2	5
8	Fast Manipulability Maximization Using Continuous-Time Trajectory optimization. , 2019, , .		4
9	Stochastic Optimization for Trajectory Planning with Heteroscedastic Gaussian Processes. , 2019, , .		2
10	Mobile Robot Teleoperation via Android Mobile Device with UDP Communication. , 2021, , .		2
11	Self-learning model predictive control based on the sequence of controllable sets. , 2017, , .		0
12	Gaussian Processes Incremental Inference for Mobile Robots Dynamic Planning. IFAC-PapersOnLine, 2020, 53, 9584-9589.	0.9	0
13	Trajectory Optimization with Geometry-Aware Singularity Avoidance for Robot Motion Planning. , 2021, , .		0