

# Luka Petrovic

## List of Publications by Year in descending order

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