Hongyi Liu

List of Publications by Year
in descending order

15 papers	**1,063** citations	840776 **11** h-index	1125743 **13** g-index
15 all docs	**15** docs citations	**15** times ranked	**840** citing authors

#	Article	IF	Citations
1	Gesture recognition for human-robot collaboration: A review. International Journal of Industrial Ergonomics, 2018, 68, 355-367.	2.6	272
2	Deep learning-based human motion recognition for predictive context-aware human-robot collaboration. CIRP Annals - Manufacturing Technology, 2018, 67, 17-20.	3.6	160
3	Human motion prediction for human-robot collaboration. Journal of Manufacturing Systems, 2017, 44, 287-294.	13.9	130
4	Recurrent neural network for motion trajectory prediction in human-robot collaborative assembly. CIRP Annals - Manufacturing Technology, 2020, 69, 9-12.	3.6	94
5	Remote human–robot collaboration: A cyber–physical system application for hazard manufacturing environment. Journal of Manufacturing Systems, 2020, 54, 24-34.	13.9	89
6	Collision-free human-robot collaboration based on context awareness. Robotics and Computer-Integrated Manufacturing, 2021, 67, 101997.	9.9	84
7	Towards Robust Human-Robot Collaborative Manufacturing: Multimodal Fusion. IEEE Access, 2018, 6, 74762-74771.	4.2	63
8	Overview of Human-Robot Collaboration in Manufacturing. Lecture Notes in Mechanical Engineering, 2020, , 15-58.	0.4	58
9	An AR-based Worker Support System for Human-Robot Collaboration. Procedia Manufacturing, 2017, 11, 22-30.	1.9	46
10	Deep Learning-based Multimodal Control Interface for Human-Robot Collaboration. Procedia CIRP, 2018, 72, 3-8.	1.9	41
11	A Context-Aware Safety System for Human-Robot Collaboration. Procedia Manufacturing, 2018, 17, 238-245.	1.9	15
12	Interface architecture design for minimum programming in human-robot collaboration. Procedia CIRP, 2018, 72, 129-134.	1.9	7
13	Latest Developments of Gesture Recognition for Human–Robot Collaboration. , 2021, , 43-68.		2
14	Realtime collaborating with an industrial manipulator using a constraint-based programming approach. Procedia CIRP, 2018, 72, 105-110.	1.9	1
15	Human Motion Recognition and Prediction for Robot Control. , 2021, , 261-282.		1