

# Zhihao Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7824747/publications.pdf>

Version: 2024-02-01

27  
papers

285  
citations

1307366

7  
h-index

1058333

14  
g-index

29  
all docs

29  
docs citations

29  
times ranked

164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Neural Networks for Motion-Force Control of Redundant Manipulators: An Optimization Perspective. IEEE Transactions on Industrial Electronics, 2021, 68, 1525-1536.	5.2	64
2	Dynamic neural networks based kinematic control for redundant manipulators with model uncertainties. Neurocomputing, 2019, 329, 255-266.	3.5	59
3	Dynamic neural networks based adaptive admittance control for redundant manipulators with model uncertainties. Neurocomputing, 2019, 357, 271-281.	3.5	36
4	Motion Planning of Manipulators for Simultaneous Obstacle Avoidance and Target Tracking: An RNN Approach With Guaranteed Performance. IEEE Transactions on Industrial Electronics, 2022, 69, 3887-3897.	5.2	30
5	Deep Recurrent Neural Networks Based Obstacle Avoidance Control for Redundant Manipulators. Frontiers in Neurorobotics, 2019, 13, 47.	1.6	22
6	Simultaneous Obstacle Avoidance and Target Tracking of Multiple Wheeled Mobile Robots With Certified Safety. IEEE Transactions on Cybernetics, 2022, 52, 11859-11873.	6.2	14
7	Collaboration of multiple SCARA robots with guaranteed safety using recurrent neural networks. Neurocomputing, 2021, 456, 1-10.	3.5	10
8	Review of wheeled mobile robot collision avoidance under unknown environment. Science Progress, 2021, 104, 003685042110377.	1.0	8
9	Collision-Free Compliance Control for Redundant Manipulators: An Optimization Case. Frontiers in Neurorobotics, 2019, 13, 50.	1.6	6
10	Recurrent Neural Networks-Based Collision-Free Motion Planning for Dual Manipulators Under Multiple Constraints. IEEE Access, 2020, 8, 54225-54236.	2.6	6
11	A Vary-Parameter Convergence-Accelerated Recurrent Neural Network for Online Solving Dynamic Matrix Pseudoinverse and its Robot Application. Neural Processing Letters, 2021, 53, 1287-1304.	2.0	6
12	Dynamic neural networks based adaptive optimal impedance control for redundant manipulators under physical constraints. Neurocomputing, 2022, 471, 149-160.	3.5	6
13	A Framework of Robot Skill Learning From Complex and Long-Horizon Tasks. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3628-3638.	3.4	5
14	AI based Robot Safe Learning and Control. , 2020, , .		3
15	Incremental Learning Robot Task Representation and Identification. , 2020, , 29-49.		3
16	Nonparametric Bayesian Learning for Collaborative Robot Multimodal Introspection. , 2020, , .		2
17	Dual-Motor Synchronization Control Design Based on Adaptive Neural Networks Considering Full-State Constraints and Partial Asymmetric Dead-Zone. Sensors, 2021, 21, 4261.	2.1	2
18	Nonparametric Bayesian Method for Robot Anomaly Monitoring. , 2020, , 51-93.		2

#	ARTICLE	IF	CITATIONS
19	Robust Formation Tracking of Multiple Wheeled Mobile Robots Under External Disturbance. Lecture Notes in Computer Science, 2021, , 659-668.	1.0	0
20	RNN Based Trajectory Control for Manipulators with Uncertain Kinematic Parameters. , 2020, , 17-38.		0
21	RNN for Motion-Force Control of Redundant Manipulators with Optimal Joint Torque. , 2020, , 105-127.		0
22	Nonparametric Bayesian Method for Robot Anomaly Diagnose. , 2020, , 95-118.		0
23	Learning Policy for Robot Anomaly Recovery Based on Robot Introspection. , 2020, , 119-137.		0
24	Optimization-Based Compliant Control for Manipulators Under Dynamic Obstacle Constraints. , 2020, , 83-104.		0
25	Adaptive Jacobian Based Trajectory Tracking for Redundant Manipulators with Model Uncertainties in Repetitive Tasks. , 2020, , 1-15.		0
26	RNN Based Adaptive Compliance Control for Robots with Model Uncertainties. , 2020, , 39-61.		0
27	Deep RNN Based Obstacle Avoidance Control for Redundant Manipulators. , 2020, , 63-81.		0