

Yen-Chen Liu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8511544/yen-chen-liu-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

655
citations

14
h-index

23
g-index

78
ext. papers

917
ext. citations

4.1
avg, IF

5.22
L-index

#	Paper	IF	Citations
52	Dynamic Modeling and Simulation of Electric Scooter Interactions With a Pedestrian Crowd Using a Social Force Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-14	6.1	
51	Adaptive reinforcement learning in control design for cooperating manipulator systems. <i>Asian Journal of Control</i> , 2022 , 24, 1088-1103	1.7	1
50	Advanced Finite-Time Control for Bilateral Teleoperators With Delays and Uncertainties. <i>IEEE Access</i> , 2021 , 9, 141951-141960	3.5	1
49	Robust and resilient stabilization and tracking control for chaotic dynamical systems with uncertainties. <i>International Journal of Dynamics and Control</i> , 2021 , 9, 1746	1.7	1
48	Non-linear adaptive tracking control for quadrotor aerial robots under uncertain dynamics. <i>IET Control Theory and Applications</i> , 2021 , 15, 1126-1139	2.5	3
47	Finite-time convergence for bilateral teleoperation systems with disturbance and time-varying delays. <i>IET Control Theory and Applications</i> , 2021 , 15, 1736-1748	2.5	1
46	Event-Based Communication and Control for Task-Space Consensus of Networked Euler-Lagrange Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 8, 555-565	4	4
45	Object Transportation With Force-Sensorless Control and Event-Triggered Synchronization for Networked Uncertain Manipulators. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 902-912	8.9	12
44	Adaptive Reinforcement Learning Strategy with Sliding Mode Control for Unknown and Disturbed Wheeled Inverted Pendulum. <i>International Journal of Control, Automation and Systems</i> , 2021 , 19, 1139-1150	2.0	12
43	DDPG-Based Adaptive Robust Tracking Control for Aerial Manipulators With Decoupling Approach. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	5
42	Resilient Annular Finite-Time Bounded and Adaptive Event-Triggered Control for Networked Switched Systems With Deception Attacks. <i>IEEE Access</i> , 2021 , 9, 92288-92299	3.5	5
41	Indirect/Direct Learning Coverage Control for Wireless Sensor and Mobile Robot Networks. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-16	4.8	1
40	Wireless Sensor and Mobile Robot Network in Environmental Regulation using Radial Basis Function Networks 2020 ,		1
39	Hybrid-triggered reliable dissipative control for singular networked cascade control systems with cyber-attacks. <i>Journal of the Franklin Institute</i> , 2020 , 357, 4008-4033	4	20
38	On Robust Control of Nonlinear Teleoperators Under Dynamic Uncertainties With Variable Time Delays and Without Relative Velocity. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1272-1280	11.9	14
37	Resilient event-triggered fault-tolerant control for networked control systems with randomly occurring nonlinearities and DoS attacks. <i>International Journal of Systems Science</i> , 2020 , 51, 2712-2732	2.3	14
36	Event-triggered control for adaptive bilateral teleoperators with communication delays. <i>IET Control Theory and Applications</i> , 2020 , 14, 427-437	2.5	6

35	Nonlinear bilateral teleoperators under event-driven communication with constant time delays. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 3547-3569	3.6	7
34	Human-swarm collaboration with coverage control under nonidentical and limited sensory ranges. <i>Journal of the Franklin Institute</i> , 2019 , 356, 9122-9151	4	3
33	Centralized Control Architecture for Cooperative Object Transportation using Multiple Omnidirectional AGVs 2019 ,		3
32	Adaptive Backstepping Tracking Control for Quadrotor Aerial Robots Subject to Uncertain Dynamics 2019 ,		6
31	Leaderless Consensus for Multiple Euler-Lagrange Systems with Event-Triggered Communication 2018 ,		4
30	Autonomous Guided Robotic Systems in Regulating Indoor Environmental Quality 2018 ,		1
29	Wave-variable framework for networked robotic systems with time delays and packet losses. <i>International Journal of Systems Science</i> , 2017 , 48, 1472-1484	2.3	3
28	Nonlinear bilateral teleoperators with non-collocated remote controller over delayed network. <i>Mechatronics</i> , 2017 , 45, 25-36	3	8
27	Distributed Coordination and Cooperation Control for Networked Mobile Manipulators. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5065-5074	8.9	36
26	Direct learning coverage control based on expectation maximization in wireless sensor and robot network 2017 ,		4
25	Dynamic coverage control for mobile robot network with limited and nonidentical sensory ranges 2017 ,		7
24	Decentralized estimation and control for bilateral teleoperation of mobile robot network with task abstraction 2017 ,		4
23	Passivity-based control framework for task-space bilateral teleoperation with parametric uncertainty over unreliable networks. <i>ISA Transactions</i> , 2017 , 70, 187-199	5.5	17
22	Towards a walking, turning, and jumping quadruped robot with compliant mechanisms 2016 ,		5
21	Event-triggered control for bilateral teleoperation with time delays 2016 ,		2
20	Robust synchronisation of networked Lagrangian systems and its applications to multi-robot teleoperation. <i>IET Control Theory and Applications</i> , 2015 , 9, 129-139	2.5	8
19	Design and implementation of a three-axis force sensor for applications to bilateral teleoperation systems 2015 ,		1
18	Experiments on Human-in-the-Loop Coordination for Multirobot System With Task Abstraction. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015 , 12, 981-989	4.9	14

17	Distributed synchronization for heterogeneous robots with uncertain kinematics and dynamics under switching topologies. <i>Journal of the Franklin Institute</i> , 2015 , 352, 3808-3826	4	20
16	Task-space coordination control of bilateral human-swarm systems. <i>Journal of the Franklin Institute</i> , 2015 , 352, 311-331	4	18
15	Task-space bilateral teleoperation systems for heterogeneous robots with time-varying delays. <i>Robotica</i> , 2015 , 33, 2065-2082	2.1	12
14	Leaderless and leader-following consensus for networked mobile manipulators with communication delays 2015 ,		4
13	Adaptive Control for Nonlinear Teleoperators With Uncertain Kinematics and Dynamics. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 2550-2562	5.5	53
12	Passivity-based teleoperation system for robots with parametric uncertainty and communication delay 2014 ,		3
11	Passivity-based control for networked robotic system over unreliable communication 2014 ,		3
10	Gravity-Compensation-Driven Position Regulation for Robotic Systems Under Input/Output Delays. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 995-1005	4.8	9
9	On stability and regulation performance for flexible-joint robots with input/output communication delays. <i>Automatica</i> , 2014 , 50, 1698-1705	5.7	7
8	Adaptive control for bilateral teleoperators under time-varying communication delays 2013 ,		5
7	Control of semi-autonomous teleoperation system with time delays. <i>Automatica</i> , 2013 , 49, 1553-1565	5.7	63
6	Synchronization of Networked Mechanical Systems With Communication Delays and Human Input. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013 , 135,	1.6	24
5	Controlled Synchronization of Heterogeneous Robotic Manipulators in the Task Space. <i>IEEE Transactions on Robotics</i> , 2012 , 28, 268-275	6.5	135
4	Control of Robotic Manipulators Under Input/Output Communication Delays: Theory and Experiments. <i>IEEE Transactions on Robotics</i> , 2012 , 28, 742-751	6.5	22
3	Semi-autonomous teleoperation in task space with redundant slave robot under communication delays 2011 ,		10
2	Synchronization of networked robotic systems on strongly connected graphs 2010 ,		25
1	Resilient adaptive event-triggered dissipative control for networked control systems with DoS attacks. <i>International Journal of Systems Science</i> , 1-17	2.3	0