Mojtaba Sharifi

List of Publications by Year in Descending Order

24 papers	363 citations	12 h-index	18 g-index
27 ext. papers	482 ext. citations	3.1 avg, IF	4.19 L-index

#	Paper	IF	Citations
24	Delay-Robust Nonlinear Control of Bounded-Input Telerobotic Systems With Synchronization Enhancement. *IEEE Robotics and Automation Letters*, **2021**, 6, 2493-2500	4.2	2
23	State estimation-based control of COVID-19 epidemic before and after vaccine development. *Journal of Process Control*, **2021**, 102, 1-14	3.9	10
22	Impedance Variation and Learning Strategies in Human-Robot Interaction. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	12
21	Impedance Learning-Based Adaptive Control for Human-Robot Interaction. *IEEE Transactions on Control Systems Technology*, **2021**, 1-14	4.8	3
20	Intelligent Locomotion Planning With Enhanced Postural Stability for Lower-Limb Exoskeletons. *IEEE Robotics and Automation Letters*, **2021**, 6, 7588-7595	4.2	5
19	Adaptive CPG-Based Gait Planning With Learning-Based Torque Estimation and Control for Exoskeletons. *IEEE Robotics and Automation Letters*, **2021**, 6, 8261-8268	4.2	3
18	Nonlinear adaptive control of tuberculosis with consideration of the risk of endogenous reactivation and exogenous reinfection. *Journal of Theoretical Biology*, **2020**, 486, 110081	2.3	3
17	A Novel Robust Model Reference Adaptive Impedance Control Scheme for an Active Transtibial Prosthesis. *Robotica*, **2019**, 37, 1562-1581	2.1	2
16	Control of malaria outbreak using a non-linear robust strategy with adaptive gains. *IET Control Theory and Applications*, **2019**, 13, 2308-2317	2.5	15
15	Patient-Robot-Therapist Collaboration Using Resistive Impedance Controlled Tele-Robotic Systems Subjected to Time Delays. *Journal of Mechanisms and Robotics*, **2018**, 10,	2.2	5
14	Impedance control of non-linear multi-DOF teleoperation systems with time delay: absolute stability. *IET Control Theory and Applications*, **2018**, 12, 1722-1729	2.5	17
13	Optimal control of human-like musculoskeletal arm: Prediction of trajectory and muscle forces. *Optimal Control Applications and Methods*, **2017**, 38, 167-183	1.7	6
12	Robotic assistance for children with cerebral palsy based on learning from tele-cooperative demonstration. *International Journal of Intelligent Robotics and Applications*, **2017**, 1, 43-54	1.7	22
11	Nonlinear robust adaptive sliding mode control of influenza epidemic in the presence of uncertainty. *Journal of Process Control*, **2017**, 56, 48-57	3.9	33
10	Tele-echography of moving organs using an Impedance-controlled telerobotic system. *Mechatronics*, **2017**, 45, 60-70	3	13
9	Cooperative modalities in robotic tele-rehabilitation using nonlinear bilateral impedance control. *Control Engineering Practice*, **2017**, 67, 52-63	3.9	27
8	Stable Nonlinear Trilateral Impedance Control for Dual-User Haptic Teleoperation Systems With Communication Delays. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2017**, 139,	1.6	8

LIST OF PUBLICATIONS

7	Nonlinear Bilateral Adaptive Impedance Control With Applications in Telesurgery and Telerehabilitation. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2016**, 138,	1.6	17
6	Nonlinear robust adaptive Cartesian impedance control of UAVs equipped with a robot manipulator. *Advanced Robotics*, **2015**, 29, 171-186	1.7	21
5	Adaptive robust control of cancer chemotherapy in the presence of parametric uncertainties: a comparison between three hypotheses. *Computers in Biology and Medicine*, **2015**, 56, 145-57	7	34
4	Model reference adaptive impedance control in Cartesian coordinates for physical human robot interaction. *Advanced Robotics*, **2014**, 28, 1277-1290	1.7	32
3	Nonlinear model reference adaptive impedance control for human robot interactions. *Control Engineering Practice*, **2014**, 32, 9-27	3.9	64
2	Adaptive impedance control of UAVs interacting with environment using a robot manipulator **2014**,		2
1	Model reference adaptive impedance control of rehabilitation robots in operational space **2012**,		6