

# Yangjun Pi

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

510  
citations

686830

13  
h-index

794141

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectory tracking control of a 6-DOF hydraulic parallel robot manipulator with uncertain load disturbances. <i>Control Engineering Practice</i> , 2011, 19, 185-193.	3.2	93
2	Observer-based cascade control of a 6-DOF parallel hydraulic manipulator in joint space coordinate. <i>Mechatronics</i> , 2010, 20, 648-655.	2.0	65
3	Axial Vibration Suppression in a Partial Differential Equation Model of Ascending Mining Cable Elevator. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018, 140, .	0.9	43
4	Modeling and dynamic behavior analysis of a coupled multi-cable double drum winding hoister with flexible guides. <i>Mechanism and Machine Theory</i> , 2017, 108, 191-208.	2.7	42
5	Exponential regulation of the anti-collocatedly disturbed cage in a wave PDE-modeled ascending cable elevator. <i>Automatica</i> , 2018, 95, 122-136.	3.0	41
6	Control of a $2 \times 2$ coupled linear hyperbolic system sandwiched between 2 ODEs. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3987-4016.	2.1	37
7	Balancing and suppression of oscillations of tension and cage in dual-cable mining elevators. <i>Automatica</i> , 2018, 98, 223-238.	3.0	34
8	Vibration control of beams subjected to a moving mass using a successively combined control method. <i>Applied Mathematical Modelling</i> , 2016, 40, 4002-4015.	2.2	28
9	Lyapunov-based boundary control of a multi-span beam subjected to moving masses. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2221-2234.	1.5	17
10	Transverse hysteretic damping characteristics of a serpentine belt: Modeling and experimental investigation. <i>Journal of Sound and Vibration</i> , 2014, 333, 7019-7035.	2.1	15
11	Traffic sign detection based on improved faster R-CNN for autonomous driving. <i>Journal of Supercomputing</i> , 2022, 78, 7982-8002.	2.4	15
12	State-Observer Design of a PDE-Modeled Mining Cable Elevator With Time-Varying Sensor Delays. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 1149-1157.	3.2	14
13	Dynamic performance of a multi-ribbed belt based on an overlay constitutive model of carbon-black-filled rubber and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2017, 95, 252-272.	4.4	13
14	Hysteretic damping characteristics of a mechanical tensioner: Modeling and experimental investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2019, 233, 1890-1902.	1.1	13
15	Adaptive simultaneous motion and vibration control for a multi flexible-link mechanism with uncertain general harmonic disturbance. <i>Journal of Sound and Vibration</i> , 2017, 408, 60-72.	2.1	11
16	Optimal Design of an Autotensioner in an Automotive Belt Drive System Via a Dynamic Adaptive PSO-GA. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	1.7	11
17	Output feedback vibration control of a string driven by a nonlinear actuator. <i>Applied Mathematical Modelling</i> , 2019, 72, 403-419.	2.2	5
18	A composite controller for manipulator with flexible joint and link under uncertainties and disturbances. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632098819.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Adaptive boundary control of a flexible-link flexible-joint manipulator under uncertainties and unknown disturbances. JVC/Journal of Vibration and Control, 2023, 29, 169-184.	1.5	5
20	Three-dimensional dynamic modeling and simulation of a multi-cable winding hoister system considering bidirectional coupling between cage and flexible guides. JVC/Journal of Vibration and Control, 2023, 29, 1678-1699.	1.5	3
21	A non-Hertzian contact analysis for the ball and raceway of a deep groove ball bearing. IOP Conference Series: Materials Science and Engineering, 2019, 542, 012025.	0.3	0
22	Nonlinear Control of Ship Motion Simulator Based on Disturbance Observer. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2010, 46, 164.	0.7	0
23	Natural frequency modulation of a kinematically redundant planar parallel robot. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110524.	1.1	0
24	3D dynamic modelling of a rigid manipulator mounted on a rectangular plate based on Hamilton principle. JVC/Journal of Vibration and Control, 0, , 107754632210913.	1.5	0