Chi-Ying Lin

List of Publications by Year
in descending order

37 papers	257 citations	1163117 8 h-index	1058476 14 g-index
37 all docs	37 docs citations	37 times ranked	286 citing authors

#	ARTICLE	IF	CITATIONS
1	Precision tracking control of a biaxial piezo stage using repetitive control and double-feedforward compensation. Mechatronics, 2011, 21, 239-249.	3.3	47
2	Precision Tracking Control and Constraint Handling of Mechatronic Servo Systems Using Model Predictive Control. IEEE/ASME Transactions on Mechatronics, 2012, 17, 593-605.	5.8	45
3	Development of a novel haptic glove for improving finger dexterity in poststroke rehabilitation. Technology and Health Care, 2015, 24, S97-S103.	1.2	19
4	Hybrid proportional derivative/repetitive control for active vibration control of smart piezoelectric structures. JVC/Journal of Vibration and Control, 2013, 19, 992-1003.	2.6	17
5	Active Vibration Suppression of a Motor-Driven Piezoelectric Smart Structure Using Adaptive Fuzzy Sliding Mode Control and Repetitive Control. Applied Sciences (Switzerland), 2017, 7, 240.	2.5	16
6	Adaptive-repetitive control of a hard disk drive. , 2007, , .		12
7	Multimodal suppression of vibration in smart flexible beam using piezoelectric electrode-based switching control. Mechatronics, 2018, 53, 152-167.	3.3	12
8	Design and control of a dual stage fast tool servo for precision machining. , 0, , .		8
9	A Neural-Repetitive Control Approach for High-Performance Motion Control of Piezo-Actuated Systems. Arabian Journal for Science and Engineering, 2014, 39, 4131-4140.	1.1	8
10	The potential effect of a vibrotactile glove rehabilitation system on motor recovery in chronic post-stroke hemiparesis. Technology and Health Care, 2017, 25, 1183-1187.	1.2	8
11	TRBR: Flight body posture compensation for transverse ricochetal brachiation robot. Mechatronics, 2020, 65, 102307.	3.3	7
12	Periodic motion control of a heavy duty pneumatic actuating table using low-cost position sensors and hybrid repetitive control. , 2013, , .		6
13	Nano-precision dynamic motion control. , 2007, , .		5
14	Development of a binocular vision-based catcher robot system using DSP platform. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2014, 37, 210-223.	1.1	5
15	Laser beam tracking by repetitive and variable-order adaptive control. , 2008, , .		4
16	Autonomous cross-floor navigation of a stair-climbing mobile robot using wireless and vision sensor. , 2013, , .		4
17	Rejecting multiple-period disturbances: active vibration control of a two degree-of-freedom piezoelectric flexible structure system. JVC/Journal of Vibration and Control, 2015, 21, 3368-3382.	2.6	4
18	Adaptive Control With Internal Model for High Precision Motion Control. , 2007, , 1021.		3

#	ARTICLE	IF	CITATIONS
19	Effect of Particle Size on Crystallization and Microwave Dielectric Characteristics of CaMgSi$_2$O$_6$ Glass-Ceramics. Ferroelectrics, 2012, 435, 91-97.	0.6	3
20	Repetitive Model Predictive Control Based on a Recurrent Neural Network. , 2012, , .		3
21	Synergetic repetitive control—a plug-in hybrid control method for precision motion control. International Journal of Advanced Manufacturing Technology, 2016, 87, 19-24.	3.0	3
22	Design and swing strategy of a bio-inspired robot capable of transverse ricochetal brachiation. , 2017, , .		3
23	Design of Transverse Brachiation Robot and Motion Control System for Locomotion between Ledges at Different Elevations. Sensors, 2022, 22, 4031.	3.8	3
24	Design and implementation of a wall-jumping robot with climbing claws. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2017, 40, 45-54.	1.1	2
25	Development of an Automatic Dispensing System for Traditional Chinese Herbs. Journal of Healthcare Engineering, 2017, 2017, 1-12.	1.9	2
26	Virtual Object Replacement Based on Real Environments: Potential Application in Augmented Reality Systems. Applied Sciences (Switzerland), 2019, 9, 1797.	2.5	2
27	Robot catching system with stereo vision and DSP platform. , 2011, , .		1
28	High performance motion controller design for linear piezoelectric ceramic motors. , 2011, , .		1
29	Robust μ control and repetitive control for dynamic tracking control of a pneumatic actuating table. , 2013, , .		1
30	Design and implementation of visual predictive control for image positioning of an automatic alignment stage. , 2014, , .		1
31	Development of a TCM-based pulse impedance measurement system. , 2017, , .		1
32	Experimental Investigation on Flying Motion of Transverse Brachiation Robot. , 2018, , .		1
33	Model predictive control with repetitive control for periodic signal tracking and constraint handling of fast sampled-data control systems. , 2010, , .		0
34	Efficient second-order minimization combined with fuzzy control-based visual tracking of a moving face. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 852-862.	1.0	0
35	Lateral vibration modal control of a smart cantilever beam by electrode configuration of piezoelectric actuator. , 2017, , .		0
36	Development and Performance Evaluation of Image-Based Robotic Waxing System for Detailing Automobiles. Sensors, 2018, 18, 1548.	3.8	0

#	Article	IF	Citations
37	Motion Control of Piezoelectric Actuator for High-Speed AFM Systems. , 2019, , .		0