

# Chi-Ying Lin

## List of Publications by Year in descending order

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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	Design of Transverse Brachiation Robot and Motion Control System for Locomotion between Ledges at Different Elevations. <i>Sensors</i> , 2022, 22, 4031.	3.8	3
2	TRBR: Flight body posture compensation for transverse ricochet brachiation robot. <i>Mechatronics</i> , 2020, 65, 102307.	3.3	7
3	Motion Control of Piezoelectric Actuator for High-Speed AFM Systems. , 2019, , .		0
4	Virtual Object Replacement Based on Real Environments: Potential Application in Augmented Reality Systems. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1797.	2.5	2
5	Experimental Investigation on Flying Motion of Transverse Brachiation Robot. , 2018, , .		1
6	Multimodal suppression of vibration in smart flexible beam using piezoelectric electrode-based switching control. <i>Mechatronics</i> , 2018, 53, 152-167.	3.3	12
7	Development and Performance Evaluation of Image-Based Robotic Waxing System for Detailing Automobiles. <i>Sensors</i> , 2018, 18, 1548.	3.8	0
8	Design and implementation of a wall-jumping robot with climbing claws. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2017, 40, 45-54.	1.1	2
9	Lateral vibration modal control of a smart cantilever beam by electrode configuration of piezoelectric actuator. , 2017, , .		0
10	The potential effect of a vibrotactile glove rehabilitation system on motor recovery in chronic post-stroke hemiparesis. <i>Technology and Health Care</i> , 2017, 25, 1183-1187.	1.2	8
11	Design and swing strategy of a bio-inspired robot capable of transverse ricochet brachiation. , 2017, , .		3
12	Development of a TCM-based pulse impedance measurement system. , 2017, , .		1
13	Active Vibration Suppression of a Motor-Driven Piezoelectric Smart Structure Using Adaptive Fuzzy Sliding Mode Control and Repetitive Control. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 240.	2.5	16
14	Development of an Automatic Dispensing System for Traditional Chinese Herbs. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-12.	1.9	2
15	Synergetic repetitive control—a plug-in hybrid control method for precision motion control. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 19-24.	3.0	3
16	Development of a novel haptic glove for improving finger dexterity in poststroke rehabilitation. <i>Technology and Health Care</i> , 2015, 24, S97-S103.	1.2	19
17	Rejecting multiple-period disturbances: active vibration control of a two degree-of-freedom piezoelectric flexible structure system. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 3368-3382.	2.6	4
18	Development of a binocular vision-based catcher robot system using DSP platform. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2014, 37, 210-223.	1.1	5

#	ARTICLE	IF	CITATIONS
19	Design and implementation of visual predictive control for image positioning of an automatic alignment stage. , 2014, , .		1
20	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
21	Periodic motion control of a heavy duty pneumatic actuating table using low-cost position sensors and hybrid repetitive control. , 2013, , .		6
22	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
23	Autonomous cross-floor navigation of a stair-climbing mobile robot using wireless and vision sensor. , 2013, , .		4
24	Robust &#x03BC; control and repetitive control for dynamic tracking control of a pneumatic actuating table. , 2013, , .		1
25	Effect of Particle Size on Crystallization and Microwave Dielectric Characteristics of CaMgSi <sub>2</sub> O <sub>6</sub> Glass-Ceramics. Ferroelectrics, 2012, 435, 91-97.	0.6	3
26	Repetitive Model Predictive Control Based on a Recurrent Neural Network. , 2012, , .		3
27	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
28	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
29	Precision tracking control of a biaxial piezo stage using repetitive control and double-feedforward compensation. Mechatronics, 2011, 21, 239-249.	3.3	47
30	Robot catching system with stereo vision and DSP platform. , 2011, , .		1
31	High performance motion controller design for linear piezoelectric ceramic motors. , 2011, , .		1
32	Model predictive control with repetitive control for periodic signal tracking and constraint handling of fast sampled-data control systems. , 2010, , .		0
33	Laser beam tracking by repetitive and variable-order adaptive control. , 2008, , .		4
34	Adaptive-repetitive control of a hard disk drive. , 2007, , .		12
35	Adaptive Control With Internal Model for High Precision Motion Control. , 2007, , 1021.		3
36	Nano-precision dynamic motion control. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
37	Design and control of a dual stage fast tool servo for precision machining. , 0, , .		8