

An-Chen Lee

List of Publications by Year in descending order

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39
papers

665
citations

623734

14
h-index

580821

25
g-index

39
all docs

39
docs citations

39
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	The feedrate scheduling of NURBS interpolator for CNC machine tools. CAD Computer Aided Design, 2011, 43, 612-628.	2.7	151
2	Design of acceleration/deceleration profiles in motion control based on digital FIR filters. International Journal of Machine Tools and Manufacture, 1998, 38, 799-825.	13.4	49
3	Investigation on the Steady-State Responses of Asymmetric Rotors. Journal of Vibration and Acoustics, Transactions of the ASME, 1992, 114, 194-208.	1.6	46
4	A CAD/CAM system from 3D coordinate measuring data. International Journal of Production Research, 1990, 28, 2353-2371.	7.5	42
5	A Current Index Approach to Compensate Commutation Phase Error for Sensorless Brushless DC Motors With Nonideal Back EMF. IEEE Transactions on Power Electronics, 2016, 31, 4389-4399.	7.9	41
6	Advanced parameter identification for a linear-motor-driven motion system using disturbance observer. International Journal of Precision Engineering and Manufacturing, 2009, 10, 35-47.	2.2	35
7	Current Integral Method for Fine Commutation Tuning of Sensorless Brushless DC Motor. IEEE Transactions on Power Electronics, 2017, 32, 9249-9266.	7.9	35
8	Collocated Sensor/Actuator Positioning and Feedback Design in the Control of Flexible Structure System. Journal of Vibration and Acoustics, Transactions of the ASME, 1994, 116, 146-154.	1.6	29
9	A Modified Transfer Matrix Method for Linear Rotor-Bearing Systems. Journal of Applied Mechanics, Transactions ASME, 1991, 58, 776-783.	2.2	23
10	Rejection of Limit Cycles Induced From Disturbance Observers in Motion Control. IEEE Transactions on Industrial Electronics, 2006, 53, 1770-1780.	7.9	23
11	Transient Analysis of an Asymmetric Rotor-Bearing System During Acceleration. Journal of Engineering for Industry, 1992, 114, 465-475.	0.8	19
12	A Modified Transfer Matrix Method for Asymmetric Rotor-Bearing Systems. Journal of Vibration and Acoustics, Transactions of the ASME, 1994, 116, 309-317.	1.6	19
13	Run-by-Run Process Control of Metal Sputter Deposition: Combining Time Series and Extended Kalman Filter. IEEE Transactions on Semiconductor Manufacturing, 2007, 20, 278-285.	1.7	17
14	Output Disturbance Observer Structure Applied to Run-to-Run Control for Semiconductor Manufacturing. IEEE Transactions on Semiconductor Manufacturing, 2011, 24, 27-43.	1.7	16
15	Identification of Linearized Dynamic Characteristics of Rolling Element Bearings. Journal of Vibration and Acoustics, Transactions of the ASME, 1997, 119, 60-69.	1.6	14
16	Minimum-variance controller for a class of non-linear systems. International Journal of Systems Science, 1990, 21, 2091-2101.	5.5	13
17	The Analysis of Linear Rotor-Bearing Systems: A General Transfer Matrix Method. Journal of Vibration and Acoustics, Transactions of the ASME, 1993, 115, 490-497.	1.6	11
18	An Investigation of the Characteristics of Electromagnetic Bearings Using the Finite Element Method. Journal of Tribology, 1994, 116, 710-719.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Path Planning for CNC Contouring around a Corner. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2004, 47, 412-420.	0.3	9
20	Robustness Analysis of Mixed Product Run-to-Run Control for Semiconductor Process Based on ODOB Control Structure. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 212-222.	1.7	8
21	Coupled lateral and torsional vibrations of the micro-drilling spindle systems. International Journal of Advanced Manufacturing Technology, 2016, 87, 2063-2079.	3.0	7
22	Pheromone Propagation Controller: The Linkage of Swarm Intelligence and Advanced Process Control. IEEE Transactions on Semiconductor Manufacturing, 2009, 22, 357-372.	1.7	6
23	Combined product and tool disturbance estimator for the mix-product process and its application to the removal rate estimation in CMP process. International Journal of Precision Engineering and Manufacturing, 2012, 13, 471-481.	2.2	6
24	Analyses of a new four-facet drill. International Journal of Advanced Manufacturing Technology, 2014, 75, 411-424.	3.0	6
25	A hybrid controller design for bi-axial inverted pendulum system. International Journal of Robust and Nonlinear Control, 2009, 19, 512-531.	3.7	4
26	GA BASED HYBRID FUZZY RULE OPTIMIZATION APPROACH FOR ELEVATOR GROUP CONTROL SYSTEM. Transactions of the Canadian Society for Mechanical Engineering, 2013, 37, 937-947.	0.8	4
27	Advanced Application of Centralized Control for a Scanning Mirror System Based on EtherCAT Fieldbus. International Journal of Control, Automation and Systems, 2021, 19, 1205-1214.	2.7	4
28	Modeling and Diagnosis of Motion Error of Multi-Axis Machines Using a Ball Bar Test. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1996, 118, 531-539.	1.6	3
29	Dual-Position-Controller Design for the Linear-Motor-Driven Motion System. Journal of System Design and Dynamics, 2007, 1, 270-282.	0.3	3
30	Acceleration-based FIR filters for trajectory interpolation with different kinematic constraints and target velocities for NC systems. Control Engineering Practice, 2022, 124, 105204.	5.5	3
31	Real Time Tracking Multiple YUV 24-Bit Color Objects with 8-Bit MCU-Based Embedded Vision System. , 2009, , .		2
32	Object contour extraction using adaptive NURBS VFC active contour. , 2011, , .		2
33	NURBS path tracking control of a scanning mirror system based on EtherCAT fieldbus. , 2018, , .		2
34	Segmentation of piecewise stationary signals. International Journal of Systems Science, 1989, 20, 1827-1842.	5.5	1
35	Computer classification of the PCG waveform. International Journal of Systems Science, 1990, 21, 593-609.	5.5	1
36	Two-dimensional pheromone propagation controller applied to run-to-run control for semiconductor manufacturing. International Journal of Advanced Manufacturing Technology, 2013, 66, 917-936.	3.0	1

#	ARTICLE	IF	CITATIONS
37	The fabrication of the Bragg grating on the D-shaped fiber. , 2009, , .		0
38	Robust observer controller compensator design using the loop shaping design procedure and the algebraic method. International Journal of Robust and Nonlinear Control, 2010, 20, 1176-1196.	3.7	0
39	Adaptive Unified Predictive Control applied to first-order-plus-dead-time processes to eliminate unknown class of deterministic disturbance. , 2011, , .		0