Zamberi Jamaludin

List of Publications by Year
in descending order

		1307594	794594
52 papers	**446** citations	**7** h-index	**19** g-index
58 all docs	**58** docs citations	**58** times ranked	**281** citing authors

#	Article	IF	Citations
1	Friction Compensation of an XY Feed Table Using Friction-Model-Based Feedforward and an Inverse-Model-Based Disturbance Observer. IEEE Transactions on Industrial Electronics, 2009, 56, 3848-3853.	7.9	164
2	Accurate motion control of xy high-speed linear drives using friction model feedforward and cutting forces estimation. CIRP Annals - Manufacturing Technology, 2008, 57, 403-406.	3.6	57
3	Quadrant glitch compensation using friction model-based feedforward and an inverse-model-based disturbance observer. , 2008, , .		43
4	Classical cascade and sliding mode control tracking performances for a xy feed table of a high-speed machine tool. International Journal of Precision Technology, 2007, 1, 65.	0.2	24
5	Design of super twisting algorithm for chattering suppression in machine tools. International Journal of Control, Automation and Systems, 2017, 15, 1259-1266.	2.7	18
6	Contour Error Analysis of Precise Positioning for Ball Screw Driven Stage Using Friction Model Feedforward. Procedia CIRP, 2015, 26, 712-717.	1.9	15
7	Identification of Friction Models for Precise Positioning System in Machine Tools. Procedia Engineering, 2013, 53, 569-578.	1.2	10
8	An agile FCM for real-time modeling of dynamic and real-life systems. Evolving Systems, 2015, 6, 153-165.	3.9	10
9	Extensive Tracking Performance Analysis of Classical Feedback Control for XY Stage Ballscrew Drive System. Applied Mechanics and Materials, 0, 229-231, 750-755.	0.2	8
10	System Identification of XY Table Ballscrew Drive Using Parametric and Non Parametric Frequency Domain Estimation Via Deterministic Approach. Procedia Engineering, 2012, 41, 567-574.	1.2	8
11	Improvement of Corrosion Detection Using Vision System for Pipeline Inspection. Applied Mechanics and Materials, 0, 761, 125-131.	0.2	7
12	Assessment on Tracking Performance of Cascade P/PI, NPID and NCasFF Controller for Precise Positioning of XY Table Ballscrew Drive System. Procedia CIRP, 2015, 26, 212-216.	1.9	6
13	Sustainable Cutting Process for Milling Operation Using Disturbance Observer. Procedia CIRP, 2016, 40, 486-491.	1.9	6
14	An overview on STEP-NC compliant controller development. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012048.	0.6	6
15	Assessment on tracking error performance of Cascade P/PI, NPID and N-Cascade controller for precise positioning of xy table ballscrew drive system. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012010.	0.6	5
16	Second order sliding mode control for direct drive positioning system. Journal of Mechanical Engineering and Sciences, 2017, 11, 3206-3216.	0.6	5
17	Investigation on Tracking Performance of Adaptive Friction Compensation Using Cascade P/PI Controller at Low Velocity. , 2016, , .		4
18	Evaluation of tracking performance of NPID double hyperbolic controller design for XY table ball-screw drive system. , 2017, , .		4

#	Article	IF	Citations
19	Design of a Disturbance Observer and Model-Based Friction Feedforward to Compensate Quadrant Glitches. , 2009, , 143-154.		4
20	Design and Analysis of Self-tuned Nonlinear PID Controller for XY Table Ballscrew Drive System. , 0, , .		4
21	Design and Analysis of Linear Quadratic Regulator for a Non-Linear Positioning System. Applied Mechanics and Materials, 0, 761, 227-232.	0.2	3
22	System Interface Design for CAD/CAM-Simulink Data Exchange System Using MATLABÂ®. Lecture Notes in Mechanical Engineering, 2018, , 639-647.	0.4	3
23	Tracking performance of NPID controller for cutting force disturbance of ball screw drive. Journal of Mechanical Engineering and Sciences, 2017, 11, 3227-3239.	0.6	3
24	Design of Sliding Mode Controller Using Smoothening Method for Chattering Suppression in Machine Tools. Lecture Notes in Mechanical Engineering, 2020, , 102-111.	0.4	3
25	Theoretical Analysis of Friction Compensation Using Sliding Mode Control. Applied Mechanics and Materials, 0, 229-231, 2385-2388.	0.2	2
26	Theoretical Analysis of Velocity and Position Loop Behaviour of Nonlinear Cascade Feedforward Controller for Positioning of XY Table Ballscrew Drive System. Advanced Materials Research, 0, 845, 831-836.	0.3	2
27	Development of System Identification for Piezoelectric Patch Actuator. Applied Mechanics and Materials, 0, 761, 245-249.	0.2	2
28	DESIGN AND ANALYSIS OF SUPER TWISTING SLIDING MODE CONTROL FOR MACHINE TOOLS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	2
29	Force compensation for precise positioning in machine tools via state observer design. International Journal of Advanced Manufacturing Technology, 2020, 107, 411-423.	3.0	2
30	Intelligent Control of CNC System Based on IEC 61499 Function Block Technology. Lecture Notes in Mechanical Engineering, 2020, , 176-185.	0.4	2
31	Tracking Error Compensation of XY Table Ball Screw Driven System Using Cascade Fuzzy P+PI. International Review of Automatic Control, 2016, 9, 324.	0.3	2
32	Effect of Cutting Forces on Surface Roughness for Varying Depth of Cut and Feed Rates in Milling Machining Process. Lecture Notes in Mechanical Engineering, 2020, , 195-203.	0.4	2
33	Spectral Analysis of Cutting Forces Data for XY Table Ballscrew Drive System. Applied Mechanics and Materials, 0, 471, 241-246.	0.2	1
34	An Enhancement in Control Laws of Super Twisting Sliding Mode Servo Drive Controller Using Hyperbolic Tangent Function and Arc Tangent Smoothing Function. Lecture Notes in Mechanical Engineering, 2018, , 695-703.	0.4	1
35	Assessment of Friction Behavior with Surface Location Error Analysis in Milling Process. Key Engineering Materials, 0, 823, 129-134.	0.4	1
36	Analysis of Interpreted CAD/CAM Trajectory as Alternative Input Reference for Control System. Lecture Notes in Mechanical Engineering, 2020, , 186-194.	0.4	1

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37	EMG RECORDING OF WRIST GESTURES UNDER NON-IDEAL ELECTRODE PLACEMENT FOR MACHINE CONTROL IN A MANUFACTURING ENVIRONMENT. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
38	Optimization of Super Twisting Sliding Mode Control Gains using Taguchi Method. Industrial Engineering and Management Systems, 2018, 17, 62-71.	0.4	1
39	Investigation on Disturbance Force Compensation via State Observer Design and Cascade P/PI Controller Approach. Lecture Notes in Mechanical Engineering, 2022, , 158-170.	0.4	1
40	Theoretical Analysis of Close Loop Behaviour of Ideal Cascade Controller Structure for Positioning of XY Table Ballscrew Drive System. Applied Mechanics and Materials, 0, 315, 493-497.	0.2	0
41	Review on Cutting Force Compensation Techniques for Machine Tools Application. Applied Mechanics and Materials, 0, 761, 250-254.	0.2	0
42	Design and Analysis of Disturbance Force Observer for Machine Tools Application. Applied Mechanics and Materials, 0, 761, 148-152.	0.2	0
43	Design of super twisting sliding mode control for single axis direct drive motor. , 2016, , .		0
44	Methodology on Investigating the Influences of Automated Material Handling System in Automotive Assembly Process. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012053.	0.6	0
45	Analytical study on different blade-shape design of HAWT for wasted kinetic energy recovery system (WKERS). IOP Conference Series: Materials Science and Engineering, 2017, 210, 012072.	0.6	0
46	Design and Implementation of Cascade NP/PI Controller for Feed Table Ball Screw Driven Milling Machine. Lecture Notes in Mechanical Engineering, 2018, , 85-91.	0.4	0
47	Development Tools of an Adaptive Controller. Lecture Notes in Mechanical Engineering, 2018, , 41-51.	0.4	0
48	Prediction of Surface Roughness for Development of Smart Milling Machine. Journal of Physics: Conference Series, 2019, 1201, 012008.	0.4	0
49	Improvement of a Proportional-Integral (PI) Controller for a Servo Pneumatic Actuator by Adapting Zero-Compensator Placement Method. , 2021, , .		0
50	2302 A technical review on the three challenges in ARM-COMS. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2302-1_-_2302-8_.	0.0	0
51	Parameter Properties of a Sliding Mode Controller Design in Friction Compensation. Lecture Notes in Mechanical Engineering, 2018, , 631-638.	0.4	0
52	Design and Analyses of Semi-automated Portable Oil Spill Skimmer for Water Treatment Application. Lecture Notes in Mechanical Engineering, 2020, , 372-384.	0.4	0