

# Tsu-Chin Tsao

## List of Publications by Year in descending order

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197  
papers

3,893  
citations

201575

27  
h-index

175177

52  
g-index

198  
all docs

198  
docs citations

198  
times ranked

1812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and Synthesis of Discrete-Time Repetitive Controllers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1989, 111, 353-358.	0.9	513
2	Robust Adaptive and Repetitive Digital Tracking Control and Application to a Hydraulic Servo for Noncircular Machining. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1994, 116, 24-32.	0.9	216
3	Discrete-Time Domain Analysis and Synthesis of Repetitive Controllers. , 1988, , .		151
4	Somatosensory actuator based on stretchable conductive photothermally responsive hydrogel. Science Robotics, 2021, 6, .	9.9	144
5	Adaptive Zero Phase Error Tracking Algorithm for Digital Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1987, 109, 349-354.	0.9	139
6	Rejection of unknown periodic load disturbances in continuous steel casting process using learning repetitive control approach. IEEE Transactions on Control Systems Technology, 1996, 4, 259-265.	3.2	123
7	Control of Linear Motors for Machine Tool Feed Drives: Design and Implementation of H $\infty$ Optimal Feedback Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1996, 118, 649-656.	0.9	104
8	Saturation-Induced Instability and Its Avoidance in Adaptive Control of Hard Disk Drives. IEEE Transactions on Control Systems Technology, 2010, 18, 368-382.	3.2	88
9	Robot-assisted intraocular surgery: development of the IRISS and feasibility studies in an animal model. Eye, 2013, 27, 972-978.	1.1	85
10	Repetitive Control for Asymptotic Tracking of Periodic Signals With an Unknown Period. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 364-369.	0.9	85
11	Adaptive And Repetitive Digital Control Algorithms for Noncircular Machining. , 1988, , .		75
12	Optimal Feed-Forward Digital Tracking Controller Design. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1994, 116, 583-592.	0.9	75
13	Robust Performance Repetitive Control Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2001, 123, 330-337.	0.9	75
14	Two-Parameter Robust Repetitive Control With Application to a Novel Dual-Stage Actuator for Noncircular Machining. IEEE/ASME Transactions on Mechatronics, 2004, 9, 644-652.	3.7	75
15	Intraocular robotic interventional surgical system (IRISS): Mechanical design, evaluation, and master-slave manipulation. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1842.	1.2	73
16	A new approach to stability analysis of variable speed machining systems. International Journal of Machine Tools and Manufacture, 1993, 33, 791-808.	6.2	70
17	On asymptotics of the solution of the moving oscillator problem. Journal of Sound and Vibration, 2003, 260, 519-536.	2.1	57
18	A Linearized Electrohydraulic Servovalve Model for Valve Dynamics Sensitivity Analysis and Control System Design. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 179-187.	0.9	55

#	ARTICLE	IF	CITATIONS
19	Frequency-Weighted Minimum-Variance Adaptive Control of Laser Beam Jitter. IEEE/ASME Transactions on Mechatronics, 2009, 14, 337-348.	3.7	46
20	Multi-scale Alignment and Positioning System “MAPS. Precision Engineering, 2012, 36, 517-537.	1.8	46
21	Using Camless Valvetrain for Air Hybrid Optimization. , 2003, , .		44
22	Robust performance control of electrohydraulic actuators for electronic cam motion generation. IEEE Transactions on Control Systems Technology, 2000, 8, 220-227.	3.2	41
23	Stability of Turning Processes with Actively Controlled Linear Motor Feed Drives. Journal of Engineering for Industry, 1994, 116, 298-307.	0.8	40
24	Trajectory tracking and disturbance rejection for linear time-varying systems: Input/output representation. Systems and Control Letters, 2009, 58, 452-460.	1.3	39
25	Optimal Suppression of Laser Beam Jitter by High-Order RLS Adaptive Control. IEEE Transactions on Control Systems Technology, 2008, 16, 255-267.	3.2	36
26	Intraocular robotic interventional surgical system (IRISS): Semi-automated OCT-guided cataract removal. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1949.	1.2	36
27	Receding Time Horizon Linear Quadratic Optimal Control for Multi-Axis Contour Tracking Motion Control.1. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 375-381.	0.9	35
28	A new method for synthesizing multiple-period adaptive “repetitive controllers and its application to the control of hard disk drives. Automatica, 2010, 46, 1186-1195.	3.0	34
29	Control of incident irradiance on a batch operated flat-plate photobioreactor. Chemical Engineering Science, 2014, 119, 99-108.	1.9	34
30	Periodic Sampling Interval Repetitive Control and Its Application to Variable Spindle Speed Noncircular Turning Process. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 560-566.	0.9	32
31	Torque control for a form tool drilling operation. IEEE Transactions on Control Systems Technology, 1999, 7, 22-30.	3.2	30
32	Asymptotic Rejection of Periodic Disturbances with Uncertain Period. , 1992, , .		29
33	Modeling and controller design of an electromagnetic engine valve. , 2001, , .		28
34	Adaptive control of a tilt mirror for laser beam steering. , 2004, , .		28
35	Assessment of a Hexapod Surgical System for Robotic Micro-Macro Manipulations in Ocular Surgery. Ophthalmic Research, 2011, 46, 25-30.	1.0	28
36	Control of linear motor machine tool feed drives for end milling: Robust MIMO approach. Mechatronics, 2005, 15, 1207-1224.	2.0	27

#	ARTICLE	IF	CITATIONS
37	Control of an electromechanical actuator for camless engines. , 0, , .		26
38	Control of an electromechanical camless valve actuator. , 0, , .		25
39	Variable-order adaptive control of a microelectromechanical steering mirror for suppression of laser beam jitter. Optical Engineering, 2006, 45, 104206.	0.5	25
40	Linear Quadratic Integral control of an Organic Rankine Cycle for waste heat recovery in heavy-duty diesel powertrain. , 2014, , .		24
41	Adaptive control of a MEMS steering mirror for suppression of laser beam jitter. , 0, , .		23
42	Two-Period Repetitive and Adaptive Control for Repeatable and Nonrepeatable Runout Compensation in Disk Drive Track Following. IEEE/ASME Transactions on Mechatronics, 2012, 17, 756-766.	3.7	23
43	An Adaptive Repetitive Control Scheme for Tracking periodic Signals with Unknown Period. , 1993, , .		22
44	Demonstration of Air-Power-Assist (APA) Engine Technology for Clean Combustion and Direct Energy Recovery in Heavy Duty Application. , 0, , .		20
45	A Performance Enhancement Scheme for Robust Repetitive Control System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2004, 126, 224-229.	0.9	20
46	A Neural-Networks-Based Adaptive Disturbance Rejection Method and Its Application to the Control of Hard Disk Drives. IEEE Transactions on Magnetics, 2009, 45, 2140-2150.	1.2	19
47	Nullspace-Based Control Allocation of Overactuated UAV Platforms. IEEE Robotics and Automation Letters, 2021, 6, 8094-8101.	3.3	19
48	Reducing Cutting Force Induced Bore Cylindricity Errors by Learning Control and Variable Depth of Cut Machining. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 1998, 120, 547-554.	1.3	18
49	Adaptive Control With Asymptotic Tracking Performance and Its Application to an Electro-Hydraulic Servo System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 188-195.	0.9	18
50	Semiautomated optical coherence tomography-guided robotic surgery for porcine lens removal. Journal of Cataract and Refractive Surgery, 2019, 45, 1665-1669.	0.7	18
51	Adaptive control of jitter in a laser beam pointing system. , 2006, , .		17
52	Increasing Torque Output from a Turbodiesel with Camless Valvetrain. , 0, , .		16
53	The Effect of Haptic Feedback on Efficiency and Safety During Preretinal Membrane Peeling Simulation. Translational Vision Science and Technology, 2019, 8, 2.	1.1	15
54	Iterative Learning of Dynamic Inverse Filters for Feedforward Tracking Control. IEEE/ASME Transactions on Mechatronics, 2020, 25, 349-359.	3.7	15

#	ARTICLE	IF	CITATIONS
55	Adaptive-Q with LQG stabilizing feedback and real time computation for disk drive servo control. , 2004, , .		15
56	Adaptive Control of MEMS Mirrors for Beam Steering. , 2004, , 71.		14
57	Repetitive learning of backstepping controlled nonlinear electrohydraulic material testing system. Control Engineering Practice, 2004, 12, 1393-1408.	3.2	14
58	Evaluating remote centers of motion for minimally invasive surgical robots by computer vision. , 2010, , .		13
59	Real-time optimal commutation for minimizing thermally induced inaccuracy in multi-motor driven stages. Automatica, 2012, 48, 1566-1574.	3.0	13
60	Freeâ€œBreathing Volumetric Liver and Proton Density Fat Fraction Quantification in Pediatric Patients Using Stackâ€œofâ€œRadial MRI With Selfâ€œGating Motion Compensation. Journal of Magnetic Resonance Imaging, 2021, 53, 118-129.	1.9	13
61	An Over-Actuated Multi-Rotor Aerial Vehicle With Unconstrained Attitude Angles and High Thrust Efficiencies. IEEE Robotics and Automation Letters, 2021, 6, 6828-6835.	3.3	13
62	Adaptive-repetitive control of a hard disk drive. , 2007, , .		12
63	Twisting and Tilting Rotors for High-Efficiency, Thrust-Vectored Quadrotors. Journal of Mechanisms and Robotics, 2018, 10, .	1.5	12
64	Modeling and Control Design of a Powertrain Simulation Testbed for Earthmoving Vehicles. , 1999, , .		12
65	A Fast and Efficient Attitude Control Algorithm of a Tilt-Rotor Aerial Platform Using Inputs Redundancies. IEEE Robotics and Automation Letters, 2022, 7, 1214-1221.	3.3	12
66	Receding-Horizon Adaptive Control of Laser Beam Jitter. IEEE/ASME Transactions on Mechatronics, 2016, 21, 227-237.	3.7	11
67	Robot Assisted Machining of Thin-Walled Structures. IFAC-PapersOnLine, 2017, 50, 14594-14599.	0.5	11
68	Repetitive control of linear time varying systems with application to electronic cam motion control. , 2004, , .		10
69	Adaptive control of a MEMS steering mirror for free-space laser communications. , 2005, , .		10
70	Adaptive control of jitter in laser beam pointing and tracking. , 2006, , .		10
71	Dynamic Trajectory Tracking by Synergistic Dual-Stage Actuation and Control. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2600-2610.	3.7	10
72	Respiratory Motion Prediction Using Fusion-Based Multi-Rate Kalman Filtering and Real-Time Golden-Angle Radial MRI. IEEE Transactions on Biomedical Engineering, 2020, 67, 1727-1738.	2.5	10

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73	A robotic system for telementoring and training in laparoscopic surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, e2040.	1.2	10
74	A Simple Six Degree-of-Freedom Aerial Vehicle Built on Quadcopters. , 2021, , .		10
75	Implementation of a Direct Drive Linear Motor Actuator for Dynamic Control of the Turning Process. , 1993, , .		9
76	The Design of Extended Bandwidth Shape Memory Alloy Actuators. Journal of Intelligent Material Systems and Structures, 1996, 7, 635-645.	1.4	9
77	Robust repetitive controller design with improved performance. , 2001, , .		9
78	Observer-Based Intensity-Feedback Control for Laser Beam Pointing and Tracking. IEEE Transactions on Control Systems Technology, 2011, , .	3.2	9
79	MIMO Repetitive Control of an Active Magnetic Bearing Spindle. IFAC-PapersOnLine, 2016, 49, 192-199.	0.5	9
80	Automatic needle tracking using Mask R-CNN for MRI-guided percutaneous interventions. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1673-1684.	1.7	9
81	Hydrostatic Actuation for Remote Operations in MR Environment. IEEE/ASME Transactions on Mechatronics, 2020, 25, 894-905.	3.7	9
82	A Sufficient Stability Condition for Linear Conservative Gyroscopic Systems. Journal of Applied Mechanics, Transactions ASME, 1994, 61, 715-717.	1.1	8
83	Control of Linear Motors for Machine Tool Feed Drives: Experimental Investigation of Optimal Feedforward Tracking Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1998, 120, 137-142.	0.9	8
84	Design and control of a dual stage fast tool servo for precision machining. , 0, , .		8
85	Experimental Study of Adaptive-\$Q\$ Control for Disk Drive Track-Following Servo Problem. IEEE/ASME Transactions on Mechatronics, 2010, 15, 480-491.	3.7	8
86	A comparison of inversion based Iterative Learning Control Algorithms. , 2015, , .		8
87	An Automated Mouse Tail Vascular Access System by Vision and Pressure Feedback. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1616-1623.	3.7	8
88	Control of Magnetic Bearings for Rotor Unbalance With Plug-In Time-Varying Resonators. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, 0110011-1100111.	0.9	8
89	Industrial robot accurate trajectory generation by nested loop iterative learning control. Mechatronics, 2021, 74, 102487.	2.0	8
90	Frequency response based feedforward control design with uncertainty considerations. , 1997, , .		7

#	ARTICLE	IF	CITATIONS
91	H $\hat{z}$ Preview Control for Discrete-Time Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2001, 123, 117-124.	0.9	7
92	Disturbance rejection for nonlinear systems. , 2002, , .		7
93	Adaptive Tuning and Control of a Hard Disk Drive. Proceedings of the American Control Conference, 2007, , .	0.0	7
94	Design, Modeling, and Motion Control of the Noncircular Turning Process for Camshaft Machining. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2008, 130, .	0.9	7
95	High-Sampling Rate Dynamic Inversionâ€”Filter Realization and Applications in Digital Control. IEEE/ASME Transactions on Mechatronics, 2014, 19, 238-248.	3.7	7
96	Accelerated Convergence Interleaving Iterative Learning Control and Inverse Dynamics Identification. IEEE Transactions on Control Systems Technology, 2022, 30, 45-56.	3.2	7
97	An improved linearized model for electrohydraulic servovalves and its usage for robust performance control system design. , 1997, , .		6
98	A two parameter robust repetitive control design using structured singular values. , 0, , .		6
99	Optimal disturbance rejection by LTI feedback control in a laser beam steering system. , 2004, , .		6
100	Process Feedback Control of the Noncircular Turning Process for Camshaft Machining. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2008, 130, .	0.9	6
101	Nonlinear adaptive control of optical jitter with a new liquid crystal beam steering device. , 2008, , .		6
102	An analysis and synthesis of internal model principle type controllers. , 2009, , .		6
103	Laser beam pointing and stabilization by intensity feedback control. , 2009, , .		6
104	Modeling and control of a magnetic bearing system. , 2010, , .		6
105	Robotic Eye Surgery. Ophthalmology, 2010, 117, 857.	2.5	6
106	Data-Driven Progressive and Iterative Learning Control * *This work was supported in part by funds from UCLA Jules Stein Institute, Matech Industries, LTD. Taiwan, and the National Institute of Health, R21 Grant No. 5R21EY024065-02.. IFAC-PapersOnLine, 2017, 50, 4825-4830.	0.5	6
107	MRIâ€”guided targeted needle placement during motion using hydrostatic actuators. International Journal of Medical Robotics and Computer Assisted Surgery, 2020, 16, e2041.	1.2	6
108	Rejection of disturbance with nonlinear dynamics. , 1999, , .		5

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109	Adaptive nonlinear feedforward control of an electrohydraulic camless valvetrain. , 2000, , .		5
110	Control of a dual stage actuator system for noncircular cam turning process. , 2001, , .		5
111	Repetitive Learning of Back Stepping Controlled Nonlinear Electrohydraulic Material Testing System 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 663-668.	0.4	5
112	Optimal Jitter Rejection In Laser Beam Steering with Variable-Order Adaptive Control. , 2006, , .		5
113	Saturation and frequency weighting in adaptive control of laser beam jitter. , 2007, , .		5
114	Nano-precision dynamic motion control. , 2007, , .		5
115	Modeling of Compressed Air Hybrid Operation for a Heavy Duty Diesel Engine. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	5
116	Development of a novel variable rake angle mechanism for noncircular turning and its control. Journal of Mechanical Science and Technology, 2010, 24, 1035-1040.	0.7	5
117	Model Predictive Control of Organic Rankine Cycle for Waste Heat Recovery in Heavy-Duty Diesel Powertrain. , 2014, , .		5
118	Data-based feedforward controller reconstruction from iterative learning control algorithm. , 2016, , .		5
119	Control of linear motor machine tool feed drives for end milling: robust MIMO approach. , 1999, , .		4
120	Control oriented formulation for structures interacting with moving loads. , 2001, , .		4
121	Nonlinear backstepping control of an electrohydraulic material testing system. , 2002, , .		4
122	Robust Adaptive-Q with Two Period Repetitive Control for Disk Drive Track Following. , 0, , .		4
123	Adaptive suppression of optical jitter with a new liquid crystal beam steering device. , 2007, , .		4
124	Laser beam tracking by repetitive and variable-order adaptive control. , 2008, , .		4
125	Adaptive disturbance rejection for disk drives using neural networks. , 2008, , .		4
126	Optimal commutation laws by real-time optimization for multiple motor driven systems. , 2010, , .		4



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127	Control of a Base Load and Load-Following Regulating Organic Rankine Cycle for Waste Heat Recovery in Heavy-Duty Diesel Powertrain. , 2015, , .		4
128	An MR-Compatible Stage for Respiratory Motion Emulation. IFAC-PapersOnLine, 2017, 50, 6073-6078.	0.5	4
129	Near Time-Optimal Real-Time Path Following Under Error Tolerance and System Constraints. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	4
130	Semi-Automated Extraction of Lens Fragments Via a Surgical Robot Using Semantic Segmentation of OCT Images With Deep Learning - Experimental Results in <i>Ex Vivo</i> Animal Model. IEEE Robotics and Automation Letters, 2021, 6, 5261-5268.	3.3	4
131	Integrated MIMO fault detection and disturbance observer-based control. Mechatronics, 2021, 73, 102482.	2.0	4
132	Robotic posterior capsule polishing by optical coherence tomography image guidance. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2248.	1.2	4
133	Robust performance control of electrohydraulic actuators for camshaft machining. , 0, , .		3
134	Adaptive lift control of an electrohydraulic camless valvetrain system. , 1998, , .		3
135	Application of Repetitive Control to Vibration Attenuation in Certain Engineering Structures. JVC/Journal of Vibration and Control, 1999, 5, 741-760.	1.5	3
136	Adaptive tracking control by system inversion. , 1999, , .		3
137	Control of linear systems with nonlinear disturbance dynamics. , 2001, , .		3
138	Adaptive Control With Internal Model for High Precision Motion Control. , 2007, , 1021.		3
139	Mechatronics and Control of a Precision Motion Stage for Nano-Manufacturing. , 2009, , .		3
140	Adaptive jitter control for tracker line of sight stabilization. Proceedings of SPIE, 2010, , .	0.8	3
141	Adaptive Control With Internal Model for High-Performance Precision Motion Control and Its Application to a Fast-Acting Piezoelectric Actuator. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	3
142	Minimum-time contour tracking with model predictive control approach. , 2014, , .		3
143	Real-Time Sub-Count Estimation With State Continuity for Asynchronous and Quantized Sensing. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1457-1466.	3.7	3
144	Wind turbine system identification and individual pitch control. , 2017, , .		3

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145	Mechatronics pedagogy in mechanical engineering capstone design. , 2017, , .		3
146	Adaptive and Repetitive Control for Rejecting Repeatable and Non-Repeatable Runout in Rotating Devices. , 2007, , .		3
147	Automated Retinal Vein Cannulation on Silicone Phantoms Using Optical-Coherence-Tomography-Guided Robotic Manipulations. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2758-2769.	3.7	3
148	Repetitive Learning Control for Precision Machining of Complex Profiles. , 2004, , .		3
149	Data-Driven ILC for Trajectory Tracking in Nonlinear Dynamic Systems. , 2019, , .		3
150	Dynamic Control of the Turning Process Using Direct Drive Linear Motor Actuators. , 1992, , .		2
151	Optimal feedforward tracking control of linear motors for machine tool drives. , 0, , .		2
152	A multiresolution tracking control design for non-minimum phase systems. , 2000, , .		2
153	Design and Control of Fast Tool Servo for Boring of Engine Piston Pin Holes. , 2006, , 1007.		2
154	The Effect of Computational Delay on Performance of Adaptive Control Systems. , 2006, , 129.		2
155	Characterization of Optimal FIR Gains and Minimum-variance Performance for Adaptive Disturbance Rejection. Proceedings of the American Control Conference, 2007, , .	0.0	2
156	Adaptive rejection of stochastic and deterministic sinusoidal disturbances with unknown frequency. , 2009, , .		2
157	Adaptive control in the presence of quantization and saturation: Application to laser beam steering by a liquid crystal device. , 2009, , .		2
158	Efficient fixed-point realization of approximate dynamic inversion compensators for non-minimum phase systems. , 2010, , .		2
159	Adaptive control for focusing of optical drive read/write heads. , 2011, , .		2
160	Respiration induced liver motion tracking control for high intensity focused ultrasound treatment. , 2012, , .		2
161	Control of Magnetic Bearings with plug-in time-varying harmonic resonators. , 2014, , .		2
162	A Nested-Loop Iterative Learning Control for Robot Manipulators. IFAC-PapersOnLine, 2019, 52, 358-363.	0.5	2

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163	Multivariable Disturbance Observer Based Control with the Experiment on an Active Magnetic Bearing Spindle. IFAC-PapersOnLine, 2019, 52, 388-393.	0.5	2
164	Adaptive Tracking Control of One-Dimensional Respiration Induced Moving Targets by Real-Time Magnetic Resonance Imaging Feedback. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1894-1903.	3.7	2
165	Improved Haptic Transparency of Bilateral Control Using Torque-Measured Magnetic Coupling. Machines, 2021, 9, 172.	1.2	2
166	Modeling of Compressed Air Hybrid Operation for a Heavy Duty Diesel Engine. , 2008, , .		2
167	Physics-Driven Mask R-CNN for Physical Needle Localization in MRI-Guided Percutaneous Interventions. IEEE Access, 2021, 9, 161055-161068.	2.6	2
168	Indirect Adaptive Feed-Forward Tracking Controllers. , 1989, , .		2
169	Data-Driven Iterative Learning Control of Nonlinear Systems by Adaptive Model Matching. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5626-5636.	3.7	2
170	Identification and control of electrohydraulic actuator modeled as a linear periodic system. , 1998, , .		1
171	Robustly $\infty$ -Stable Implementation of the Adaptive Inverse Control Scheme for Noise Cancelation. , 0, , .		1
172	Laser beam raster scan under variable process speed - an application of time varying model reference repetitive control system. , 0, , .		1
173	Multiple-period adaptive-repetitive control of a hard disk drive. , 2009, , .		1
174	Analysis and Control of Halbach Linear Motor for Nanopositioning. , 2009, , .		1
175	Robustness Enhanced Adaptive Control And Optical Head Focusing Experiment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11538-11543.	0.4	1
176	Feedforward Model Predictive Control for Dual-Stage Fast Tool Servo With Realistic Constraints. , 2012, , .		1
177	Nonlinear State Estimation of Moving Boundary Heat Exchanger Models for Organic Rankine Cycle Waste Heat Recovery. , 2013, , .		1
178	Real-Time Image Processing for Locating Veins in Mouse Tails. , 2013, , .		1
179	Control of Jitter in a Laser Beam Experiment by Receding-Horizon Adaptive Control*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 383-390.	0.4	1
180	Robust Disturbance Estimation – An Integrated Game Theoretic and Unknown Input Observer Approach. , 2019, , .		1

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181	Active Transmission Module for Generator Speed Regulation. IEEE Access, 2020, 8, 203787-203792.	2.6	1
182	Repetitive Control for Linear Time Varying Systems. , 2002, , .		1
183	Disturbance Rejection by Optimal Feedback Control in a Laser Beam Steering System. , 2004, , .		1
184	Process Feedback Control of Non-Circular Turning for Camshaft Machining. , 1999, , .		1
185	Modeling and torque control of a form tool drilling process. , 0, , .		0
186	Iterative learning control design inspired by repetitive control. , 2004, , .		0
187	Adaptive Control for Deterministic Trajectory Tracking and Random Disturbance Rejection With Application to Nano-Precision Positioning of a Halbach Linear Motor. , 2009, , .		0
188	Laguerre based adaptive control of piezoelectric actuator for nanopositioning. , 2010, , .		0
189	Experiment and Comparison of Robust Linear and Sliding Mode Controllers for Regulation of a Magnetic Bearing System. , 2010, , .		0
190	Enhancing transient response of asymptotic regulation with disturbance onset. , 2011, , .		0
191	An efficient fixed-point realization of inversion based repetitive control. , 2013, , .		0
192	Formulation for Interaction Analysis Between Continuous and Discrete Structures Subject to Moving Loads Applied to Turning. , 2013, , .		0
193	Acceleration Feedback for Suppression of Friction Induced Limit Cycles in Direct Drives. , 1999, , .		0
194	Inversion Based Adaptive Feedforward Control for Multivariable Systems. IFAC-PapersOnLine, 2020, 53, 3791-3796.	0.5	0
195	A Modified Tustin Transformation for Improved Controller Performance With Application to the Electrohydraulic Actuator. , 1999, , .		0
196	Optimal Velocity Estimation of Slowly Moving Systems With Quantized Position Output. , 1998, , .		0
197	Stability and Control of Linear Motor Feed Drives for the End Milling Process. , 1998, , .		0