

A Galip Ulsoy

List of Publications by Year in descending order

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242
papers

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66343

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249
all docs

249
docs citations

249
times ranked

3511
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Convergence of the Matrix Lambert W Approach to Solution of Systems of Delay Differential Equations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	1.6	0
2	LMI-Based Design of Distributed Controllers to Achieve Component Swapping Modularity. IEEE Transactions on Control Systems Technology, 2019, 27, 401-408.	5.2	0
3	Torque-Vectoring-Based Backup Steering Strategy for Steer-by-Wire Autonomous Vehicles With Vehicle Stability Control. IEEE Transactions on Vehicular Technology, 2019, 68, 7319-7328.	6.3	26
4	Smart product design for automotive systems. Frontiers of Mechanical Engineering, 2019, 14, 102-112.	4.3	3
5	Optimal Selection of Basis Functions for Minimum-Effort Tracking Control of Nonminimum Phase Systems Using Filtered Basis Functions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	1.6	6
6	Boosting Speed and Accuracy in Precision Motion Control. Mechanical Engineering, 2018, 140, S17-S23.	0.1	0
7	Robust design of Passive Assist Devices for multi-DOF robotic manipulator arms. Robotica, 2017, 35, 2238-2255.	1.9	5
8	Tracking Control of Linear Time-Invariant Nonminimum Phase Systems Using Filtered Basis Functions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	1.6	21
9	Experimental verification of component swapping modularity for precision contouring. , 2017, , .		2
10	Limitations of Torque Vectoring As a Backup Safety Strategy for Steer-by-Wire Vehicles due to Vehicle Stability Control. , 2017, , .		1
11	Modeling and Validation of a Constant Flux Magnetostrictive Impact Sensor. , 2017, , .		0
12	Applications and Optimization of a Constant Flux Magnetostrictive Impact Sensor. , 2017, , .		1
13	Component Swapping Modularity for Distributed Precision Contouring. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2625-2632.	5.8	4
14	Improving Stability Margins via Time-Delayed Vibration Control. Advances in Delays and Dynamics, 2017, , 235-247.	0.4	2
15	Design for Ease of Control and Estimation. , 2016, , .		0
16	Design of distributed controllers for component swapping modularity using linear matrix inequalities. , 2016, , .		4
17	Dynamic Contour Error Estimation and Feedback Modification for High-Precision Contouring. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1732-1741.	5.8	42
18	Newton-based contour error estimation and robust Cross-Coupling Control for high-precision fast contouring. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Experimental Verification of Dynamic Contour Error Estimation for High-Precision Contouring of Two-Axis Servo-Systems. , 2015, , .		2
20	Time-Delayed Control of SISO Systems for Improved Stability Margins. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	23
21	Relationship between coupling and the controllability Grammian in co-design problems. Mechatronics, 2015, 29, 36-45.	3.3	6
22	Time-Delayed Vibration Control Of Two Degree-Of-Freedom Mechanical System For Improved Stability Margins. IFAC-PapersOnLine, 2015, 48, 1-6.	0.9	3
23	Real-time energy-efficient path planning for unmanned ground vehicles using mission prior knowledge. International Journal of Vehicle Autonomous Systems, 2014, 12, 221.	0.2	3
24	Modeling and Control of an Automotive All-Wheel Drive Clutch as a Piecewise Affine System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	1.6	2
25	Linear Quadratic Design of Passive Vibration Isolators. , 2014, , .		3
26	Design of Rightmost Eigenvalues Using Distributed Delay. , 2014, , .		1
27	The role of operator style on mission energy requirements for tele-operated unmanned ground vehicles. , 2014, , .		1
28	Process Control for Sheet-Metal Stamping. Advances in Industrial Control, 2014, , .	0.5	18
29	Time-delayed vision-based DC motor control via rightmost eigenvalue assignment. , 2014, , .		3
30	Spectrum design using distributed delay. International Journal of Dynamics and Control, 2014, 2, 234-246.	2.5	9
31	Velocity occupancy space for differential drive vehicles. International Journal of Vehicle Autonomous Systems, 2014, 12, 65.	0.2	1
32	Vehicle occupancy space for unmanned ground vehicles with actuation error. International Journal of Vehicle Autonomous Systems, 2014, 12, 180.	0.2	1
33	Recent Advances in Stamping Control. Advances in Industrial Control, 2014, , 23-39.	0.5	2
34	Auto-Tuning and Adaptive Control. Advances in Industrial Control, 2014, , 87-107.	0.5	1
35	Analysis and Control of Time Delay Systems Using the LambertWDDE Toolbox. Advances in Delays and Dynamics, 2014, , 271-284.	0.4	10
36	Keeping Ground Robots on the Move Through Battery & Mission Management. Mechanical Engineering, 2014, 136, S1-S6.	0.1	3

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37	Laboratory Development of Process Control. Advances in Industrial Control, 2014, , 53-64.	0.5	0
38	Equipment and Material Flow Control. Advances in Industrial Control, 2014, , 11-22.	0.5	0
39	Machine Control. Advances in Industrial Control, 2014, , 41-51.	0.5	0
40	Proportional-Integral Control of First-Order Time-Delay Systems via Eigenvalue Assignment. IEEE Transactions on Control Systems Technology, 2013, 21, 1586-1594.	5.2	32
41	Mission Energy Prediction for Unmanned Ground Vehicles Using Real-time Measurements and Prior Knowledge. Journal of Field Robotics, 2013, 30, 399-414.	6.0	33
42	Direct Optimal Design for Component Swapping Modularity in Control Systems. IEEE/ASME Transactions on Mechatronics, 2013, 18, 297-306.	5.8	9
43	Sequential co-design of an artifact and its controller via control proxy functions. Mechatronics, 2013, 23, 409-418.	3.3	28
44	A Maneuver Based Design of a Passive-Assist Device for Augmenting Active Joints. Journal of Mechanisms and Robotics, 2013, 5, .	2.2	13
45	Improving Stability Margins via Time Delay Control. , 2013, , .		5
46	Maneuver based design of a passive-assist device for augmenting linear motion drives. , 2013, , .		4
47	Simulation-based acceptance testing for unmanned ground vehicles. International Journal of Vehicle Autonomous Systems, 2013, 11, 62.	0.2	4
48	Robust Maneuver Based Design of Passive-Assist Devices for Augmenting Robotic Manipulator Joints. , 2013, , .		1
49	Real-Time Energy-Efficient Path Planning for Unmanned Ground Vehicles Using Mission Prior Knowledge. , 2013, , .		1
50	Maneuver Based Design of Passive-Assist Devices: A Comparison of Parallel and Serial Systems. , 2013, , .		1
51	Stability criteria for uncertain piecewise affine time-delay systems. , 2012, , .		0
52	Control design for an AWD clutch system via the piecewise affine system framework. , 2012, , .		0
53	Mission energy prediction for unmanned ground vehicles. , 2012, , .		17
54	Distributed Supervisory Controller Design for Battery Swapping Modularity in Plug-In Hybrid Electric Vehicles. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	9

#	ARTICLE	IF	CITATIONS
55	The Lambert W Function Approach to Time Delay Systems and the LambertW_DDE Toolbox. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 114-119.	0.4	17
56	DC Motor Control Using the Lambert W Function Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 49-54.	0.4	9
57	Velocity occupancy space: autonomous navigation in an uncertain, dynamic environment. International Journal of Vehicle Autonomous Systems, 2012, 10, 41.	0.2	6
58	Direct and Indirect Adaptive Process Control of Sheet Metal Forming. , 2012, , .		2
59	Pedestrian Avoidance for Unmanned Ground Vehicles Based on Velocity Occupancy Space. , 2012, , .		0
60	Combined design and robust control of a vehicle passive/active suspension. International Journal of Vehicle Design, 2012, 59, 315.	0.3	13
61	An improved LMI-based approach for stability of piecewise affine time-delay systems with uncertainty. International Journal of Control, 2012, 85, 1218-1234.	1.9	12
62	Decay function estimation for linear time delay systems via the Lambert W function. JVC/Journal of Vibration and Control, 2012, 18, 1462-1473.	2.6	27
63	Experimental Verification of a Passive-Assist Design Approach for Improved Reliability and Efficiency of Robot Arms. , 2012, , .		2
64	Auto-tuning and adaptive control of sheet metal forming. Control Engineering Practice, 2012, 20, 156-164.	5.5	19
65	Velocity Occupancy Space for Unmanned Ground Vehicles With Actuation Error. , 2012, , .		0
66	A passive-assist design approach for improved reliability and efficiency of robot arms. , 2011, , .		7
67	Swappable Distributed MIMO Controller for a VCT Engine. IEEE Transactions on Control Systems Technology, 2011, 19, 1168-1177.	5.2	12
68	A New Breed of Robots that Drive Themselves. Mechanical Engineering, 2011, 133, 28-33.	0.1	7
69	Control Proxy Functions for Sequential Design and Control Optimization. Journal of Mechanical Design, Transactions of the ASME, 2011, 133, .	2.9	31
70	Combined Robust Design and Robust Control of an Electric DC Motor. IEEE/ASME Transactions on Mechatronics, 2011, 16, 574-582.	5.8	71
71	PI control of first order time-delay systems via eigenvalue assignment. , 2011, , .		6
72	The von Neumann threshold of self-reproducing systems: theory and application. Robotica, 2011, 29, 123-135.	1.9	5

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73	Generalized Coupling Management in Complex Engineering Systems Optimization. Journal of Mechanical Design, Transactions of the ASME, 2011, 133, .	2.9	7
74	Battery swapping modularity design for plug-in HEVs using the augmented lagrangian decomposition method. , 2011, , .		2
75	Sequential Co-Design of an Artifact and its Controller Via Control Proxy Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 125-130.	0.4	4
76	Design of observer-based feedback control for time-delay systems with application to automotive powertrain control. Journal of the Franklin Institute, 2010, 347, 358-376.	3.4	60
77	Direct optimal distributed controller design for component swapping modularity with application to ISC. , 2010, , .		1
78	Multi-Input Multi-Output (MIMO) Modeling and Control for Stamping. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2010, 132, .	1.6	13
79	Robust Control and Time-Domain Specifications for Systems of Delay Differential Equations via Eigenvalue Assignment. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2010, 132, .	1.6	17
80	Velocity Occupancy Space for Differential Drive Vehicles. , 2010, , .		1
81	Eigenvalue Assignment via the Lambert W Function for Control of Time-delay Systems. JVC/Journal of Vibration and Control, 2010, 16, 961-982.	2.6	52
82	A Lambert W function approach for decay function estimation in linear time delay systems. , 2010, , .		1
83	Modular discrete optimal MIMO controller for a VCT Engine. , 2009, , .		7
84	Throttle actuator swapping modularity design for idle speed control. , 2009, , .		6
85	Improved part quality in stamping using Multi-Input Multi-Output (MIMO) process control. , 2009, , .		6
86	Improving Component-Swapping Modularity Using Bidirectional Communication in Networked Control Systems. IEEE/ASME Transactions on Mechatronics, 2009, 14, 307-316.	5.8	20
87	On Measures of Coupling Between the Artifact and Controller Optimal Design Problems. , 2009, , .		23
88	Design of Observer-Based Feedback Control for Time-Delay Systems With Application to Automotive Powertrain Control. , 2009, , .		2
89	Velocity Occupancy Space: Robot Navigation and Moving Obstacle Avoidance With Sensor Uncertainty. , 2009, , .		15
90	Combined Component Swapping Modularity for a VCT Engine Controller. , 2009, , .		1

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91	Controllability and Observability of Systems of Linear Delay Differential Equations Via the Matrix Lambert W Function. IEEE Transactions on Automatic Control, 2008, 53, 854-860.	5.7	64
92	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide for Machine Performance Evaluation. JVC/Journal of Vibration and Control, 2008, 14, 645-668.	2.6	28
93	Eigenvalues and Sensitivity Analysis for a Model of HIV-1 Pathogenesis With an Intracellular Delay. , 2008, , .		6
94	Nonlinear Feed Effect in Machining Chatter Analysis. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	2.2	19
95	Robust control and time-domain specifications for systems of delay differential equations via eigenvalue assignment. , 2008, , .		2
96	Identification of machining force model parameters from acceleration measurements. International Journal of Manufacturing Research, 2008, 3, 265.	0.2	14
97	Analysis and Control of Time Delayed Systems via the Lambert W Function. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 13414-13419.	0.4	12
98	Co-Design of a MEMS Actuator and Its Controller Using Frequency Constraints. , 2008, , .		9
99	Arch-type Reconfigurable Machine Tool. , 2008, , 219-238.		2
100	Controllability and Observability of Systems of Linear Delay Differential Equations via the Matrix Lambert W Function. Proceedings of the American Control Conference, 2007, , .	0.0	1
101	Closure to "Discussion of "Analysis of a System of Linear Delay Differential Equations" (2007, ASME J. Tj ETQq1 1 0.7843 Transactions of the ASME, 2007, 129, 123-123.	1.6	2
102	Effect of a Nonlinear Joint on the Dynamic Performance of a Machine Tool. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2007, 129, 943-950.	2.2	39
103	Nonlinear Feed Effect in Machining Chatter Analysis. , 2007, , 17.		0
104	Combined design and robust control of a vehicle passive/active suspension. , 2007, , .		8
105	Dynamics of the arch-type reconfigurable machine tool. International Journal of Machine Tools and Manufacture, 2007, 47, 326-334.	13.4	63
106	Feedback Control Via Eigenvalue Assignment for Time Delayed Systems Using the Lambert W Function. , 2007, , .		9
107	Coupling in design and robust control optimization. , 2007, , .		8
108	Delay differential equations via the matrix lambert w function and bifurcation analysis: application to machine tool chatter. Mathematical Biosciences and Engineering, 2007, 4, 355-368.	1.9	74

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109	Solution of Systems of Linear Delay Differential Equations via Laplace Transformation. , 2006, , .		23
110	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide. , 2006, , 1089.		5
111	Combined Robust Design and Robust Control of an Electric DC Motor. , 2006, , 989.		6
112	Strategic issues in sensors and smart structures. Structural Control and Health Monitoring, 2006, 13, 946-957.	4.0	36
113	Chatter Stability Analysis Using the Matrix Lambert Function and Bifurcation Analysis. , 2006, , 1103.		2
114	Experimental evaluation of a vehicle steering assist controller using a driving simulator. Vehicle System Dynamics, 2006, 44, 223-245.	3.7	12
115	Self-Reproducing Machines: Preventing Degeneracy. , 2006, , .		5
116	Monitoring and Control of Machining. Springer Series in Advanced Manufacturing, 2006, , 1-32.	0.5	6
117	Target Management in Complex System Design Using System Norms. Journal of Mechanical Design, Transactions of the ASME, 2005, 127, 536-544.	2.9	8
118	PROBABILISTIC ROBUST PARALLEL DESIGN OF THE SUBSYSTEMS CONSTITUTING A COMPLEX SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 15-20.	0.4	1
119	Solution of Systems of Linear Delay Differential Equations Via Lambert Functions. , 2005, , 729.		0
120	Quantification and Use of System Coupling in Decomposed Design Optimization Problems. , 2005, , 95.		18
121	Challenges and opportunities in the engineering of intelligent systems. Smart Structures and Systems, 2005, 1, 1-12.	1.9	25
122	Statistical Analysis of a Steering Assist Controller Using Driving Simulator Data. , 2005, , .		0
123	Stochastic Optimal Capacity Management in Reconfigurable Manufacturing Systems. Journal for Manufacturing Science and Production, 2004, 6, 83-88.	0.1	2
124	A comparison of model-based machining force control approaches. International Journal of Machine Tools and Manufacture, 2004, 44, 733-748.	13.4	52
125	Application of Robust Design Techniques to the Parallel Design of Engineering Systems. , 2004, , .		0
126	Stochastic Optimal Capacity Management in Reconfigurable Manufacturing Systems. CIRP Annals - Manufacturing Technology, 2003, 52, 371-374.	3.6	28

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127	Fuzzy-logic-based virtual rumble strip for road departure warning systems. IEEE Transactions on Intelligent Transportation Systems, 2003, 4, 1-12.	8.0	23
128	Analysis of a System of Linear Delay Differential Equations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2003, 125, 215-223.	1.6	234
129	Robust Machining Force Control With Process Compensation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2003, 125, 423-430.	2.2	35
130	The Effect of Flexible-Tool Rotation on Regenerative Instability in Machining. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2003, 125, 39-47.	2.2	24
131	Integrated Plant, Observer, and Controller Optimization With Application to Combined Passive/Active Automotive Suspensions. , 2003, , 225.		23
132	The Setting and Management of Design Targets in Complex Systems Using System Norms: Extension to Multiple Attributes. , 2003, , .		1
133	Optimal Capacity Management With Stochastic Market Demand and Imperfect Information. , 2003, , .		1
134	Capacity Management in Reconfigurable Manufacturing Systems With Stochastic Market Demand. , 2002, , 567.		19
135	Target Reduction and Balancing Using System Norms: Application to Vehicle Design. , 2002, , 149.		2
136	Design of a vehicle steering assist controller using driver model uncertainty. International Journal of Vehicle Autonomous Systems, 2002, 1, 111.	0.2	9
137	Dynamic stiffness evaluation for reconfigurable machine tools including weakly non-linear joint characteristics. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2002, 216, 87-101.	2.4	47
138	Development of process control in sheet metal forming. Journal of Materials Processing Technology, 2002, 127, 361-368.	6.3	43
139	Trends and perspectives in flexible and reconfigurable manufacturing systems. Journal of Intelligent Manufacturing, 2002, 13, 135-146.	7.3	265
140	Optimizing modular product design for reconfigurable manufacturing. Journal of Intelligent Manufacturing, 2002, 13, 309-316.	7.3	62
141	Nested Optimization of an Elevator and Its Gain-Scheduled LQG Controller. , 2002, , .		8
142	On the coupling between the plant and controller optimization problems. , 2001, , .		154
143	Identification of a Driver Steering Model, and Model Uncertainty, From Driving Simulator Data. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2001, 123, 623-629.	1.6	58
144	Comparison of Combined Embodiment Design and Control Optimization Strategies Using Optimality Conditions. , 2001, , .		20

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145	Manufacturing Systems and Their Design Principles. The Electrical Engineering Handbook, 2001, , .	0.2	0
146	DYNAMICS OF PRESTRESSED ROTATING ANISOTROPIC PLATES SUBJECT TO TRANSVERSE LOADS AND HEAT SOURCES, PART I: MODELLING AND SOLUTION METHOD. Journal of Sound and Vibration, 2000, 236, 457-485.	3.9	9
147	DYNAMICS OF PRESTRESSED ROTATING ANISOTROPIC PLATES SUBJECT TO TRANSVERSE LOADS AND HEAT SOURCES, PART II: APPLICATION TO A SPECIALLY ORTHOTROPIC DISK. Journal of Sound and Vibration, 2000, 236, 487-504.	3.9	5
148	Reconfigurable manufacturing systems: Key to future manufacturing. Journal of Intelligent Manufacturing, 2000, 11, 403-419.	7.3	726
149	Model-Based Machining Force Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 521-527.	1.6	40
150	An Input-Output Criterion for Linear Model Deduction. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 507-513.	1.6	13
151	Fast Control of Linear Systems Subject to Input Constraints. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2000, 122, 18-26.	1.6	4
152	Identification of a nonlinear driver model via NARMAX modeling. , 2000, , .		11
153	Vehicle dynamics and external disturbance estimation for vehicle path prediction. IEEE Transactions on Control Systems Technology, 2000, 8, 508-518.	5.2	88
154	Analytical solution of a system of homogeneous delay differential equations via the Lambert function. , 2000, , .		9
155	Adaptive Sinusoidal Disturbance Rejection in Linear Discrete-Time Systemsâ€™Part I: Theory. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 648-654.	1.6	76
156	Adaptive Sinusoidal Disturbance Rejection in Linear Discrete-Time Systemsâ€™Part II: Experiments. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 655-659.	1.6	64
157	An Approach to Control Input Shaping With Application to Coordinate Measuring Machines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 242-247.	1.6	100
158	Reconfigurable Manufacturing Systems. CIRP Annals - Manufacturing Technology, 1999, 48, 527-540.	3.6	1,532
159	HIGH-PRECISION MEASUREMENT OF TOOL-TIP DISPLACEMENT USING STRAIN GAUGES IN PRECISION FLEXIBLE LINE BORING. Mechanical Systems and Signal Processing, 1999, 13, 531-546.	8.0	53
160	Identification of driver state for lane-keeping tasks. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1999, 29, 486-502.	2.9	135
161	Lane Geometry Perception and the Characterization of Its Associated Uncertainty. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 1-9.	1.6	4
162	Osita D. I. Nwokah. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1999, 121, 582-582.	1.6	0

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163	Supervisory Machining Control: Design Approach and Experiments. CIRP Annals - Manufacturing Technology, 1998, 47, 301-306.	3.6	17
164	Decision making for road departure warning systems. , 1998, , .		10
165	Vibration Localization in Rotating Shafts, Part 1: Theory. Journal of Vibration and Acoustics, Transactions of the ASME, 1998, 120, 138-148.	1.6	2
166	Vibration Localization in Rotating Shafts, Part 2: Experiment. Journal of Vibration and Acoustics, Transactions of the ASME, 1998, 120, 149-155.	1.6	0
167	Error Source Diagnostics Using a Turning Process Simulator. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 1998, 120, 409-416.	2.2	9
168	Coupling Between the Modeling and Controller-Design Problemsâ€™Part II: Design. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1997, 119, 278-283.	1.6	5
169	Coupling Between the Modeling and Controller-Design Problemsâ€™Part I: Analysis. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1997, 119, 498-502.	1.6	13
170	Critical Issues in Development of Open Architecture Controllers. , 1996, , .		0
171	Supervisory Control of Drilling. Journal of Engineering for Industry, 1996, 118, 10-19.	0.8	17
172	Feed, Speed, and Torque Controllers for Drilling. Journal of Engineering for Industry, 1996, 118, 2-9.	0.8	12
173	A Comparison of Two Adaptive Algorithms for Disturbance Cancellation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4953-4964.	0.4	0
174	Real-Time Open Control Architectures and System Performance. CIRP Annals - Manufacturing Technology, 1996, 45, 377-380.	3.6	60
175	TIME TO LANE CROSSING CALCULATION AND CHARACTERIZATION OF ITS ASSOCIATED UNCERTAINTY. Journal of Intelligent Transportation Systems, 1996, 3, 85-98.	0.1	19
176	Stability and Limit Cycles of Parametrically Excited, Axially Moving Strings. Journal of Vibration and Acoustics, Transactions of the ASME, 1996, 118, 346-351.	1.6	64
177	CAPC: A Road-Departure Prevention System. IEEE Control Systems, 1996, 16, 61-71.	0.8	77
178	An Optimization Strategy for Maximizing Coordinate Measuring Machine Productivity, Part 1: Quantifying the Effects of Operating Speed on Measurement Quality. Journal of Engineering for Industry, 1995, 117, 601-609.	0.8	8
179	An Optimization Strategy for Maximizing Coordinate Measuring Machine Productivity, Part 2: Problem Formulation, Solution, and Experimental Results. Journal of Engineering for Industry, 1995, 117, 610-618.	0.8	5
180	Vibration localization in dual-span, axially moving beams. Journal of Sound and Vibration, 1995, 179, 243-266.	3.9	33

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181	Vibration localization in dual-span, axially moving beams. Journal of Sound and Vibration, 1995, 179, 267-287.	3.9	17
182	Vibration localization in band-wheel systems:. Journal of Sound and Vibration, 1995, 179, 289-312.	3.9	15
183	COMPLEX GEOMETRY, ROTARY INERTIA AND GYROSCOPIC MOMENT EFFECTS ON DRILL VIBRATIONS. Journal of Sound and Vibration, 1995, 188, 701-715.	3.9	41
184	Adaptive band-limited disturbance rejection in linear discrete-time systems. Mathematical Problems in Engineering, 1995, 1, 139-177.	1.1	12
185	Transverse Vibration of an Axially Accelerating String. Journal of Sound and Vibration, 1994, 169, 179-196.	3.9	166
186	Effects of Drill Vibrations on Cutting Forces and Torque. CIRP Annals - Manufacturing Technology, 1994, 43, 59-62.	3.6	24
187	On-Line Flank Wear Estimation Using an Adaptive Observer and Computer Vision, Part 2: Experiment. Journal of Engineering for Industry, 1993, 115, 37-43.	0.8	24
188	Control of Machining Processes. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1993, 115, 301-308.	1.6	102
189	On-Line Flank Wear Estimation Using an Adaptive Observer and Computer Vision, Part 1: Theory. Journal of Engineering for Industry, 1993, 115, 30-36.	0.8	31
190	Feed, Speed, and Torque Controllers for Drilling. , 1993, , .		7
191	Supervisory Control of Drilling. , 1993, , .		3
192	Consistent Modeling of Rotating Timoshenko Shafts Subject to Axial Loads. Journal of Vibration and Acoustics, Transactions of the ASME, 1992, 114, 249-259.	1.6	45
193	On-Line Tool Wear Estimation Using Force Measurement and a Nonlinear Observer. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1992, 114, 666-672.	1.6	16
194	Dynamic Modeling of the Thrust Force and Torque for Drilling. , 1992, , .		6
195	Controller Design via System Identification. , 1991, , .		2
196	Flank Wear Estimation Under Varying Cutting Conditions. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1991, 113, 300-307.	1.6	42
197	Spring-dashpot models for the dynamics of a radially rotating beam with impact. Journal of Sound and Vibration, 1990, 142, 515-525.	3.9	54
198	Effect of a Self-Locking Drive Mechanism on the Performance of a Flexible Robot Arm. , 1990, , .		2

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199	Effects of Geometric and Process Parameters on Drill Transverse Vibrations. Journal of Engineering for Industry, 1990, 112, 189-194.	0.8	38
200	Dynamics of a Radially Rotating Beam With Impact, Part 1: Theoretical and Computational Model. Journal of Vibration and Acoustics, Transactions of the ASME, 1990, 112, 65-70.	1.6	83
201	Dynamics of a Radially Rotating Beam With Impact, Part 2: Experimental and Simulation Results. Journal of Vibration and Acoustics, Transactions of the ASME, 1990, 112, 71-77.	1.6	47
202	Experimental Model Validation for a Flexible Robot With a Prismatic Joint. Journal of Mechanical Design, Transactions of the ASME, 1990, 112, 315-323.	2.9	7
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