

A Galip Ulsoy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

6,036
citations

41
h-index

73
g-index

248
ext. papers

6,924
ext. citations

2.7
avg, IF

5.59
L-index

#	Paper	IF	Citations
207	LMI-Based Design of Distributed Controllers to Achieve Component Swapping Modularity. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 401-408	4.8	
206	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 7319-7328	6.8	14
205	Optimal Selection of Basis Functions for Minimum-Effort Tracking Control of Nonminimum Phase Systems Using Filtered Basis Functions. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	2
204	Smart product design for automotive systems. <i>Frontiers of Mechanical Engineering</i> , 2019 , 14, 102-112	3.3	2
203	Boosting Speed and Accuracy in Precision Motion Control. <i>Mechanical Engineering</i> , 2018 , 140, S17-S23	0.9	
202	Robust design of Passive Assist Devices for multi-DOF robotic manipulator arms. <i>Robotica</i> , 2017 , 35, 2238-2255	2.1	4
201	Tracking Control of Linear Time-Invariant Nonminimum Phase Systems Using Filtered Basis Functions. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	10
200	Experimental verification of component swapping modularity for precision contouring 2017 ,		2
199	Limitations of Torque Vectoring As a Backup Safety Strategy for Steer-by-Wire Vehicles due to Vehicle Stability Control 2017 ,		1
198	Applications and Optimization of a Constant Flux Magnetostrictive Impact Sensor 2017 ,		1
197	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 2625-2632	5.5	4
196	Improving Stability Margins via Time-Delayed Vibration Control. <i>Advances in Delays and Dynamics</i> , 2017 , 235-247	0.3	1
195	Dynamic Contour Error Estimation and Feedback Modification for High-Precision Contouring. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 1732-1741	5.5	32
194	Design of distributed controllers for component swapping modularity using linear matrix inequalities 2016 ,		4
193	Relationship between coupling and the controllability Gramian in co-design problems. <i>Mechatronics</i> , 2015 , 29, 36-45	3	6
192	Time-Delayed Vibration Control Of Two Degree-Of-Freedom Mechanical System For Improved Stability Margins. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1-6	0.7	3
191	Newton-based contour error estimation and robust Cross-Coupling Control for high-precision fast contouring 2015 ,		4

190	Experimental Verification of Dynamic Contour Error Estimation for High-Precision Contouring of Two-Axis Servo-Systems 2015 ,		2
189	Time-Delayed Control of SISO Systems for Improved Stability Margins. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	10
188	Spectrum design using distributed delay. <i>International Journal of Dynamics and Control</i> , 2014 , 2, 234-246	1.7	8
187	Velocity occupancy space for differential drive vehicles. <i>International Journal of Vehicle Autonomous Systems</i> , 2014 , 12, 65	0.4	1
186	Vehicle occupancy space for unmanned ground vehicles with actuation error. <i>International Journal of Vehicle Autonomous Systems</i> , 2014 , 12, 180	0.4	
185	Real-time energy-efficient path planning for unmanned ground vehicles using mission prior knowledge. <i>International Journal of Vehicle Autonomous Systems</i> , 2014 , 12, 221	0.4	3
184	Linear Quadratic Design of Passive Vibration Isolators 2014 ,		1
183	Design of Rightmost Eigenvalues Using Distributed Delay 2014 ,		1
182	Process Control for Sheet-Metal Stamping. <i>Advances in Industrial Control</i> , 2014 ,	0.3	13
181	Keeping Ground Robots on the Move Through Battery & Mission Management. <i>Mechanical Engineering</i> , 2014 , 136, S1-S6	0.9	2
180	Analysis and Control of Time Delay Systems Using the LambertWDDE Toolbox. <i>Advances in Delays and Dynamics</i> , 2014 , 271-284	0.3	7
179	Direct and Indirect Adaptive Process Control. <i>Advances in Industrial Control</i> , 2014 , 109-131	0.3	
178	Laboratory Development of Process Control. <i>Advances in Industrial Control</i> , 2014 , 53-64	0.3	
177	Equipment and Material Flow Control. <i>Advances in Industrial Control</i> , 2014 , 11-22	0.3	
176	Machine Control. <i>Advances in Industrial Control</i> , 2014 , 41-51	0.3	
175	Recent Advances in Stamping Control. <i>Advances in Industrial Control</i> , 2014 , 23-39	0.3	2
174	Auto-Tuning and Adaptive Control. <i>Advances in Industrial Control</i> , 2014 , 87-107	0.3	1
173	Proportional-Integral Control of First-Order Time-Delay Systems via Eigenvalue Assignment. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 1586-1594	4.8	23

172	Mission Energy Prediction for Unmanned Ground Vehicles Using Real-time Measurements and Prior Knowledge. <i>Journal of Field Robotics</i> , 2013 , 30, 399-414	6.7	20
171	Direct Optimal Design for Component Swapping Modularity in Control Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013 , 18, 297-306	5.5	6
170	Sequential co-design of an artifact and its controller via control proxy functions. <i>Mechatronics</i> , 2013 , 23, 409-418	3	23
169	A Maneuver Based Design of a Passive-Assist Device for Augmenting Active Joints. <i>Journal of Mechanisms and Robotics</i> , 2013 , 5,	2.2	10
168	Improving Stability Margins via Time Delay Control 2013 ,		5
167	Maneuver based design of a passive-assist device for augmenting linear motion drives 2013 ,		2
166	Simulation-based acceptance testing for unmanned ground vehicles. <i>International Journal of Vehicle Autonomous Systems</i> , 2013 , 11, 62	0.4	2
165	Maneuver Based Design of Passive-Assist Devices: A Comparison of Parallel and Serial Systems 2013 ,		1
164	Auto-tuning and adaptive control of sheet metal forming. <i>Control Engineering Practice</i> , 2012 , 20, 156-164.	3.9	11
163	An improved LMI-based approach for stability of piecewise affine time-delay systems with uncertainty. <i>International Journal of Control</i> , 2012 , 85, 1218-1234	1.5	7
162	Decay function estimation for linear time delay systems via the Lambert W function. <i>JVC/Journal of Vibration and Control</i> , 2012 , 18, 1462-1473	2	24
161	Experimental Verification of a Passive-Assist Design Approach for Improved Reliability and Efficiency of Robot Arms 2012 ,		2
160	Mission energy prediction for unmanned ground vehicles 2012 ,		12
159	Distributed Supervisory Controller Design for Battery Swapping Modularity in Plug-In Hybrid Electric Vehicles. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2012 , 134,	1.6	8
158	The Lambert W Function Approach to Time Delay Systems and the LambertW_DDE Toolbox. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 114-119		10
157	DC Motor Control Using the Lambert W Function Approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 49-54		3
156	Velocity occupancy space: autonomous navigation in an uncertain, dynamic environment. <i>International Journal of Vehicle Autonomous Systems</i> , 2012 , 10, 41	0.4	4
155	Direct and Indirect Adaptive Process Control of Sheet Metal Forming 2012 ,		2

154	Combined design and robust control of a vehicle passive/active suspension. <i>International Journal of Vehicle Design</i> , 2012 , 59, 315	2.4	11
153	Automotive Control Systems 2012 ,		92
152	Swappable Distributed MIMO Controller for a VCT Engine. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 1168-1177	4.8	8
151	A New Breed of Robots that Drive Themselves. <i>Mechanical Engineering</i> , 2011 , 133, 28-33	0.9	4
150	Control Proxy Functions for Sequential Design and Control Optimization. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2011 , 133,	3	25
149	Combined Robust Design and Robust Control of an Electric DC Motor. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011 , 16, 574-582	5.5	49
148	A passive-assist design approach for improved reliability and efficiency of robot arms 2011 ,		5
147	PI control of first order time-delay systems via eigenvalue assignment 2011 ,		1
146	The von Neumann threshold of self-reproducing systems: theory and application. <i>Robotica</i> , 2011 , 29, 123-135	2.1	4
145	Generalized Coupling Management in Complex Engineering Systems Optimization. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2011 , 133,	3	5
144	Multi-Input Multi-Output (MIMO) Modeling and Control for Stamping. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	10
143	Robust Control and Time-Domain Specifications for Systems of Delay Differential Equations via Eigenvalue Assignment. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	13
142	Eigenvalue Assignment via the Lambert W Function for Control of Time-delay Systems. <i>JVC/Journal of Vibration and Control</i> , 2010 , 16, 961-982	2	41
141	Sequential Co-Design of an Artifact and its Controller Via Control Proxy Functions. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 125-130		4
140	Design of observer-based feedback control for time-delay systems with application to automotive powertrain control. <i>Journal of the Franklin Institute</i> , 2010 , 347, 358-376	4	45
139	Time-Delay Systems 2010 ,		67
138	Modular discrete optimal MIMO controller for a VCT Engine 2009 ,		3
137	Improved part quality in stamping using Multi-Input Multi-Output (MIMO) process control 2009 ,		4

136	Improving Component-Swapping Modularity Using Bidirectional Communication in Networked Control Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2009 , 14, 307-316	5.5	12
135	On Measures of Coupling Between the Artifact and Controller Optimal Design Problems 2009 ,		18
134	Design of Observer-Based Feedback Control for Time-Delay Systems With Application to Automotive Powertrain Control 2009 ,		1
133	Velocity Occupancy Space: Robot Navigation and Moving Obstacle Avoidance With Sensor Uncertainty 2009 ,		7
132	Controllability and Observability of Systems of Linear Delay Differential Equations Via the Matrix Lambert W Function. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 854-860	5.9	52
131	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide for Machine Performance Evaluation. <i>JVC/Journal of Vibration and Control</i> , 2008 , 14, 645-668	2	22
130	Eigenvalues and Sensitivity Analysis for a Model of HIV-1 Pathogenesis With an Intracellular Delay 2008 ,		5
129	Nonlinear Feed Effect in Machining Chatter Analysis. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	16
128	Identification of machining force model parameters from acceleration measurements. <i>International Journal of Manufacturing Research</i> , 2008 , 3, 265	0.4	13
127	Analysis and Control of Time Delayed Systems via the Lambert W Function. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 13414-13419		7
126	Co-Design of a MEMS Actuator and Its Controller Using Frequency Constraints 2008 ,		6
125	Arch-type Reconfigurable Machine Tool 2008 , 219-238		1
124	Combined design and robust control of a vehicle passive/active suspension 2007 ,		7
123	Dynamics of the arch-type reconfigurable machine tool. <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 326-334	9.4	55
122	Closure to Discussion of Analysis of a System of Linear Delay Differential Equations (2007, ASME J. Dyn. Syst., Meas., Control, 129, pp. 121-122). <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2007 , 129, 123-123	1.6	1
121	Effect of a Nonlinear Joint on the Dynamic Performance of a Machine Tool. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 943-950	3.3	32
120	Nonlinear Feed Effect in Machining Chatter Analysis 2007 , 17		
119	Feedback Control Via Eigenvalue Assignment for Time Delayed Systems Using the Lambert W Function 2007 ,		5

118	Coupling in design and robust control optimization 2007 ,		4
117	Delay differential equations via the matrix Lambert W function and bifurcation analysis: application to machine tool chatter. <i>Mathematical Biosciences and Engineering</i> , 2007 , 4, 355-68	2.1	63
116	Chatter Stability Analysis Using the Matrix Lambert Function and Bifurcation Analysis 2006 , 1103		
115	Experimental evaluation of a vehicle steering assist controller using a driving simulator. <i>Vehicle System Dynamics</i> , 2006 , 44, 223-245	2.8	9
114	Solution of Systems of Linear Delay Differential Equations via Laplace Transformation 2006 ,		12
113	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide 2006 , 1089		4
112	Combined Robust Design and Robust Control of an Electric DC Motor 2006 , 989		2
111	Strategic issues in sensors and smart structures. <i>Structural Control and Health Monitoring</i> , 2006 , 13, 946-957	2.5	28
110	Monitoring and Control of Machining. <i>Springer Series in Advanced Manufacturing</i> , 2006 , 1-32	0.9	4
109	Target Management in Complex System Design Using System Norms. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2005 , 127, 536-544	3	6
108	PROBABILISTIC ROBUST PARALLEL DESIGN OF THE SUBSYSTEMS CONSTITUTING A COMPLEX SYSTEM. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 15-20		1
107	Solution of Systems of Linear Delay Differential Equations Via Lambert Functions 2005 , 729		
106	Quantification and Use of System Coupling in Decomposed Design Optimization Problems 2005 , 95		12
105	Challenges and opportunities in the engineering of intelligent systems. <i>Smart Structures and Systems</i> , 2005 , 1, 1-12		20
104	Stochastic Optimal Capacity Management in Reconfigurable Manufacturing Systems. <i>Journal for Manufacturing Science and Production</i> , 2004 , 6, 83-88		2
103	A comparison of model-based machining force control approaches. <i>International Journal of Machine Tools and Manufacture</i> , 2004 , 44, 733-748	9.4	43
102	Robust Machining Force Control With Process Compensation. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2003 , 125, 423-430	3.3	32
101	The Effect of Flexible-Tool Rotation on Regenerative Instability in Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2003 , 125, 39-47	3.3	21

100	Integrated Plant, Observer, and Controller Optimization With Application to Combined Passive/Active Automotive Suspensions 2003 , 225		18
99	Stochastic Optimal Capacity Management in Reconfigurable Manufacturing Systems. <i>CIRP Annals - Manufacturing Technology</i> , 2003 , 52, 371-374	4.9	25
98	Fuzzy-logic-based virtual rumble strip for road departure warning systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2003 , 4, 1-12	6.1	18
97	Analysis of a System of Linear Delay Differential Equations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2003 , 125, 215-223	1.6	177
96	Development of process control in sheet metal forming. <i>Journal of Materials Processing Technology</i> , 2002 , 127, 361-368	5.3	31
95	Trends and perspectives in flexible and reconfigurable manufacturing systems. <i>Journal of Intelligent Manufacturing</i> , 2002 , 13, 135-146	6.7	208
94	Optimizing modular product design for reconfigurable manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2002 , 13, 309-316	6.7	49
93	Capacity Management in Reconfigurable Manufacturing Systems With Stochastic Market Demand 2002 , 567		10
92	Target Reduction and Balancing Using System Norms: Application to Vehicle Design 2002 , 149		1
91	Design of a vehicle steering assist controller using driver model uncertainty. <i>International Journal of Vehicle Autonomous Systems</i> , 2002 , 1, 111	0.4	7
90	Dynamic stiffness evaluation for reconfigurable machine tools including weakly non-linear joint characteristics. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2002 , 216, 87-101	2.4	43
89	Nested Optimization of an Elevator and Its Gain-Scheduled LQG Controller 2002 ,		4
88	Identification of a Driver Steering Model, and Model Uncertainty, From Driving Simulator Data. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2001 , 123, 623-629	1.6	45
87	On the coupling between the plant and controller optimization problems 2001 ,		97
86	Comparison of Combined Embodiment Design and Control Optimization Strategies Using Optimality Conditions 2001 ,		12
85	DYNAMICS OF PRESTRESSED ROTATING ANISOTROPIC PLATES SUBJECT TO TRANSVERSE LOADS AND HEAT SOURCES, PART I: MODELLING AND SOLUTION METHOD. <i>Journal of Sound and Vibration</i> , 2000 , 236, 457-485	3.9	6
84	DYNAMICS OF PRESTRESSED ROTATING ANISOTROPIC PLATES SUBJECT TO TRANSVERSE LOADS AND HEAT SOURCES, PART II: APPLICATION TO A SPECIALLY ORTHOTROPIC DISK. <i>Journal of Sound and Vibration</i> , 2000 , 236, 487-504	3.9	5
83	Reconfigurable manufacturing systems: Key to future manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2000 , 11, 403-419	6.7	545

82	Model-Based Machining Force Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000 , 122, 521-527	1.6	32
81	An Input-Output Criterion for Linear Model Deduction. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000 , 122, 507-513	1.6	12
80	Fast Control of Linear Systems Subject to Input Constraints. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000 , 122, 18-26	1.6	2
79	. <i>IEEE Transactions on Control Systems Technology</i> , 2000 , 8, 508-518	4.8	57
78	Adaptive Sinusoidal Disturbance Rejection in Linear Discrete-Time SystemsPart I: Theory. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1999 , 121, 648-654	1.6	48
77	Adaptive Sinusoidal Disturbance Rejection in Linear Discrete-Time SystemsPart II: Experiments. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1999 , 121, 655-659	1.6	45
76	An Approach to Control Input Shaping With Application to Coordinate Measuring Machines. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1999 , 121, 242-247	1.6	80
75	Reconfigurable Manufacturing Systems. <i>CIRP Annals - Manufacturing Technology</i> , 1999 , 48, 527-540	4.9	1145
74	HIGH-PRECISION MEASUREMENT OF TOOL-TIP DISPLACEMENT USING STRAIN GAUGES IN PRECISION FLEXIBLE LINE BORING. <i>Mechanical Systems and Signal Processing</i> , 1999 , 13, 531-546	7.8	41
73	Identification of driver state for lane-keeping tasks. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 1999 , 29, 486-502		103
72	Lane Geometry Perception and the Characterization of Its Associated Uncertainty. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1999 , 121, 1-9	1.6	4
71	Supervisory Machining Control: Design Approach and Experiments. <i>CIRP Annals - Manufacturing Technology</i> , 1998 , 47, 301-306	4.9	14
70	Decision making for road departure warning systems 1998 ,		5
69	Vibration Localization in Rotating Shafts, Part 1: Theory. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1998 , 120, 138-148	1.6	2
68	Vibration Localization in Rotating Shafts, Part 2: Experiment. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1998 , 120, 149-155	1.6	
67	Error Source Diagnostics Using a Turning Process Simulator. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 1998 , 120, 409-416	3.3	7
66	Coupling Between the Modeling and Controller-Design ProblemsPart II: Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1997 , 119, 278-283	1.6	5
65	Coupling Between the Modeling and Controller-Design ProblemsPart I: Analysis. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1997 , 119, 498-502	1.6	9

64	Stability and Limit Cycles of Parametrically Excited, Axially Moving Strings. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1996 , 118, 346-351	1.6	46
63	. <i>IEEE Control Systems</i> , 1996 , 16, 61-71	2.9	61
62	Supervisory Control of Drilling. <i>Journal of Engineering for Industry</i> , 1996 , 118, 10-19		13
61	Feed, Speed, and Torque Controllers for Drilling. <i>Journal of Engineering for Industry</i> , 1996 , 118, 2-9		6
60	A Comparison of Two Adaptive Algorithms for Disturbance Cancellation. <i>IFAC Postprint Volumes IPPV/International Federation of Automatic Control</i> , 1996 , 29, 4953-4964		
59	Real-Time Open Control Architectures and System Performance. <i>CIRP Annals - Manufacturing Technology</i> , 1996 , 45, 377-380	4.9	47
58	TIME TO LANE CROSSING CALCULATION AND CHARACTERIZATION OF ITS ASSOCIATED UNCERTAINTY. <i>Journal of Intelligent Transportation Systems</i> , 1996 , 3, 85-98		13
57	Adaptive band-limited disturbance rejection in linear discrete-time systems. <i>Mathematical Problems in Engineering</i> , 1995 , 1, 139-177	1.1	9
56	An Optimization Strategy for Maximizing Coordinate Measuring Machine Productivity, Part 1: Quantifying the Effects of Operating Speed on Measurement Quality. <i>Journal of Engineering for Industry</i> , 1995 , 117, 601-609		6
55	An Optimization Strategy for Maximizing Coordinate Measuring Machine Productivity, Part 2: Problem Formulation, Solution, and Experimental Results. <i>Journal of Engineering for Industry</i> , 1995 , 117, 610-618		4
54	Vibration localization in dual-span, axially moving beams. <i>Journal of Sound and Vibration</i> , 1995 , 179, 243-266	3.6	28
53	Vibration localization in dual-span, axially moving beams. <i>Journal of Sound and Vibration</i> , 1995 , 179, 267-287	3.7	13
52	Vibration localization in band-wheel systems. <i>Journal of Sound and Vibration</i> , 1995 , 179, 289-312	3.9	12
51	COMPLEX GEOMETRY, ROTARY INERTIA AND GYROSCOPIC MOMENT EFFECTS ON DRILL VIBRATIONS. <i>Journal of Sound and Vibration</i> , 1995 , 188, 701-715	3.9	33
50	Transverse Vibration of an Axially Accelerating String. <i>Journal of Sound and Vibration</i> , 1994 , 169, 179-196	3.9	139
49	Effects of Drill Vibrations on Cutting Forces and Torque. <i>CIRP Annals - Manufacturing Technology</i> , 1994 , 43, 59-62	4.9	18
48	On-Line Flank Wear Estimation Using an Adaptive Observer and Computer Vision, Part 2: Experiment. <i>Journal of Engineering for Industry</i> , 1993 , 115, 37-43		22
47	Control of Machining Processes. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1993 , 115, 301-308	1.6	79

46	On-Line Flank Wear Estimation Using an Adaptive Observer and Computer Vision, Part 1: Theory. <i>Journal of Engineering for Industry</i> , 1993 , 115, 30-36		29
45	Feed, Speed, and Torque Controllers for Drilling 1993 ,		5
44	Supervisory Control of Drilling 1993 ,		2
43	Consistent Modeling of Rotating Timoshenko Shafts Subject to Axial Loads. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1992 , 114, 249-259	1.6	37
42	On-Line Tool Wear Estimation Using Force Measurement and a Nonlinear Observer. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1992 , 114, 666-672	1.6	11
41	Dynamic Modeling of the Thrust Force and Torque for Drilling 1992 ,		4
40	Flank Wear Estimation Under Varying Cutting Conditions. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1991 , 113, 300-307	1.6	37
39	Spring-dashpot models for the dynamics of a radially rotating beam with impact. <i>Journal of Sound and Vibration</i> , 1990 , 142, 515-525	3.9	48
38	Effects of Geometric and Process Parameters on Drill Transverse Vibrations. <i>Journal of Engineering for Industry</i> , 1990 , 112, 189-194		36
37	Dynamics of a Radially Rotating Beam With Impact, Part 1: Theoretical and Computational Model. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1990 , 112, 65-70	1.6	54
36	Dynamics of a Radially Rotating Beam With Impact, Part 2: Experimental and Simulation Results. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1990 , 112, 71-77	1.6	22
35	Experimental Model Validation for a Flexible Robot With a Prismatic Joint. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1990 , 112, 315-323	3	5
34	Dynamic Modeling and Simulation of Flexible Robots With Prismatic Joints. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1990 , 112, 307-314	3	19
33	Model Reference Adaptive Force Control in Milling. <i>Journal of Engineering for Industry</i> , 1989 , 111, 13-21		84
32	Turning of slender workpieces: Modeling and experiments. <i>Mechanical Systems and Signal Processing</i> , 1989 , 3, 195-205	7.8	2
31	Utilization of Control Effort Constraints in Linear Controller Design. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1989 , 111, 378-381	1.6	1
30	Adaptive Control 1989 , 618-626		4
29	Modal analysis of a distributed parameter rotating shaft. <i>Journal of Sound and Vibration</i> , 1988 , 122, 119-130	3.0	78

28	The dynamic response of a rotating shaft subject to a moving load. <i>Journal of Sound and Vibration</i> , 1988 , 122, 131-148	3.9	105
27	Flexural motion of a radially rotating beam attached to a rigid body. <i>Journal of Sound and Vibration</i> , 1988 , 121, 201-210	3.9	99
26	Frequency versus time domain parameter estimation: Application to a slot milling operation. <i>Mechanical Systems and Signal Processing</i> , 1988 , 2, 265-277	7.8	7
25	Dynamic Modeling for Control of the Milling Process. <i>Journal of Engineering for Industry</i> , 1988 , 110, 367-375		34
24	Modeling Of Drill Bit Transverse Vibrations 1988 , 0955, 129		
23	Control of a Flexible Robot Arm: Experimental and Theoretical Results. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1987 , 109, 299-309	1.6	71
22	Dynamic Stability and Response of a Beam Subject to a Deflection Dependent Moving Load. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1987 , 109, 361-365	1.6	43
21	A Dynamic State Model for On-Line Tool Wear Estimation in Turning. <i>Journal of Engineering for Industry</i> , 1987 , 109, 396-399		47
20	An adaptive observer for on-line tool wear estimation in turning, Part II: Results. <i>Mechanical Systems and Signal Processing</i> , 1987 , 1, 227-240	7.8	15
19	An adaptive observer for on-line tool wear estimation in turning, Part I: Theory. <i>Mechanical Systems and Signal Processing</i> , 1987 , 1, 211-225	7.8	24
18	Coupling Between Spans in the Vibration of Axially Moving Materials. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1986 , 108, 207-212	1.6	12
17	Dynamic Simulation of a Leadscrew Driven Flexible Robot Arm and Controller. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1986 , 108, 119-126	1.6	41
16	Programming Optimal Suggestions in the Design Concept Phase: Application to the Boothroyd Assembly Charts. <i>Journal of Mechanisms, Transmissions, and Automation in Design</i> , 1985 , 107, 285-291		7
15	Design of Belt-Tensioner Systems for Dynamic Stability. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1985 , 107, 282-290	1.6	62
14	Efficient Computation of Band Saw Blade Stresses. <i>Journal of Mechanisms, Transmissions, and Automation in Design</i> , 1984 , 106, 394-400		1
13	Vibration Control in Rotating or Translating Elastic Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1984 , 106, 6-14	1.6	29
12	Dynamic Modeling of Transverse Drill Bit Vibrations. <i>CIRP Annals - Manufacturing Technology</i> , 1984 , 33, 253-258	4.9	7
11	Principal Developments in the Adaptive Control of Machine Tools. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1983 , 105, 107-112	1.6	92

10	A theoretical analysis and control study of open-circuit grinding. <i>International Journal of Mineral Processing</i> , 1983 , 10, 25-43		1
9	Vibration of Wide Band Saw Blades. <i>Journal of Engineering for Industry</i> , 1982 , 104, 71-78		81
8	Principal developments in band saw vibration and stability research. <i>European Journal of Wood and Wood Products</i> , 1978 , 36, 273-280	2.1	71
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