

Jose Rodellar

List of Publications by Year in descending order

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221
papers

5,096
citations

101535

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all docs

226
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226
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	Atypical lymphoid cells circulating in blood in COVID-19 infection: morphology, immunophenotype and prognosis value. <i>Journal of Clinical Pathology</i> , 2022, 75, 104-111.	2.0	14
2	A Deep Learning Approach for the Morphological Recognition of Reactive Lymphocytes in Patients with COVID-19 Infection. <i>Bioengineering</i> , 2022, 9, 229.	3.5	6
3	A Hysteresis Dynamic Mathematical Model Approach to Parametric Estimation System. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-12.	1.1	1
4	A deep learning model (ALNet) for the diagnosis of acute leukaemia lineage using peripheral blood cell images. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 202, 105999.	4.7	58
5	A new convolutional neural network predictive model for the automatic recognition of hypogranulated neutrophils in myelodysplastic syndromes. <i>Computers in Biology and Medicine</i> , 2021, 134, 104479.	7.0	14
6	Automatic identification of malaria and other red blood cell inclusions using convolutional neural networks. <i>Computers in Biology and Medicine</i> , 2021, 136, 104680.	7.0	18
7	Quantitative features to assist in the diagnostic assessment of chronic lymphocytic leukemia progression. <i>Journal of Pathology</i> , 2021, , .	4.5	0
8	Considering temperature effect on robust principal component analysis orthogonal distance as a damage detector. <i>Structural Health Monitoring</i> , 2020, 19, 781-795.	7.5	15
9	A Deep Learning Approach for Segmentation of Red Blood Cell Images and Malaria Detection. <i>Entropy</i> , 2020, 22, 657.	2.2	32
10	A dataset of microscopic peripheral blood cell images for development of automatic recognition systems. <i>Data in Brief</i> , 2020, 30, 105474.	1.0	83
11	Sequential classification system for recognition of malaria infection using peripheral blood cell images. <i>Journal of Clinical Pathology</i> , 2020, 73, 665-670.	2.0	24
12	New Features for Damage Detection and Their Temperature Stability. , 2020, , 659-696.		0
13	An Adaptive Predictive control scheme with dynamic Hysteresis Modulation applied to a DC-DC buck converter. <i>ISA Transactions</i> , 2020, 105, 240-255.	5.7	13
14	Automatic recognition of different types of acute leukaemia in peripheral blood by image analysis. <i>Journal of Clinical Pathology</i> , 2019, 72, 755-761.	2.0	36
15	Recognition of peripheral blood cell images using convolutional neural networks. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 180, 105020.	4.7	104
16	Quantitative Cytologic Descriptors to Differentiate CLL, SLL, and Villous Lymphocytes Through Image Analysis. <i>American Journal of Clinical Pathology</i> , 2019, 152, 74-85.	0.7	1
17	Color clustering segmentation framework for image analysis of malignant lymphoid cells in peripheral blood. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1265-1283.	2.8	16
18	Wind turbine fault detection and classification by means of image texture analysis. <i>Mechanical Systems and Signal Processing</i> , 2018, 107, 149-167.	8.0	81

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19	Experimental investigations of a rolling-based seismic isolation system. JVC/Journal of Vibration and Control, 2018, 24, 323-342.	2.6	6
20	Multiway principal component analysis contributions for structural damage localization. Structural Health Monitoring, 2018, 17, 1151-1165.	7.5	13
21	An On-Line Statistic Algorithm to Fault Detection in Controlled Systems: A Study Case. , 2018, , .		0
22	Fault detection and isolation of pitch actuator faults in a floating wind turbine. IFAC-PapersOnLine, 2018, 51, 480-487.	0.9	2
23	Design of Distributed Multi-Actuator Systems with Incomplete State Information for Vibration Control of Large Structures. Designs, 2018, 2, 6.	2.4	3
24	Optimizing morphology through blood cell image analysis. International Journal of Laboratory Hematology, 2018, 40, 54-61.	1.3	49
25	Hysteretic active control of base-isolated buildings. Structural Control and Health Monitoring, 2018, 25, e2206.	4.0	6
26	Design and Experimental Implementation of a Hysteresis Algorithm to Optimize the Maximum Power Point Extracted from a Photovoltaic System. Energies, 2018, 11, 1866.	3.1	5
27	Image processing and machine learning in the morphological analysis of blood cells. International Journal of Laboratory Hematology, 2018, 40, 46-53.	1.3	73
28	New quantitative features for the morphological differentiation of abnormal lymphoid cell images from peripheral blood. Journal of Clinical Pathology, 2017, 70, 1038-1048.	2.0	15
29	Hysteresis based vibration control of base-isolated structures. Procedia Engineering, 2017, 199, 1798-1803.	1.2	1
30	Acceleration-based fault-tolerant control design of offshore fixed wind turbines. Structural Control and Health Monitoring, 2017, 24, e1920.	4.0	4
31	Hysteresis-Based Design of Dynamic Reference Trajectories to Avoid Saturation in Controlled Wind Turbines. Asian Journal of Control, 2017, 19, 438-449.	3.0	14
32	Feature Analysis and Automatic Identification of Leukemic Lineage Blast Cells and Reactive Lymphoid Cells from Peripheral Blood Cell Images. Journal of Clinical Laboratory Analysis, 2017, 31, e22024.	2.1	34
33	Adaptive predictive control of a base-isolated hysteretic system. , 2017, , .		0
34	Wind Turbine Synchronous Reset Pitch Control. Energies, 2017, 10, 770.	3.1	2
35	Seismic Behavior of RNC-Isolated Bridges: A Comparative Study under Near-Fault, Long-Period, and Pulse-Like Ground Motions. Advances in Materials Science and Engineering, 2016, 2016, 1-18.	1.8	8
36	Passive fault tolerant control strategy in controlled wind turbines. , 2016, , .		1

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37	Wind turbines controllers design based on the super-twisting algorithm. , 2016, , .		1
38	Predictive control of irrigation canals "robust design and real-time implementation. Water Resources Management, 2016, 30, 3829-3843.	3.9	9
39	Characterization and automatic screening of reactive and abnormal neoplastic B lymphoid cells from peripheral blood. International Journal of Laboratory Hematology, 2016, 38, 209-219.	1.3	20
40	Structural damage detection using principal component analysis and damage indices. Journal of Intelligent Material Systems and Structures, 2016, 27, 233-248.	2.5	64
41	Signal-based nonlinear modelling for damage assessment under variable temperature conditions by means of acousto-ultrasonics. Structural Control and Health Monitoring, 2015, 22, 1103-1118.	4.0	6
42	Fault Diagnosis and Fault-Tolerant Control of Wind Turbines via a Discrete Time Controller with a Disturbance Compensator. Energies, 2015, 8, 4300-4316.	3.1	42
43	Automatic Recognition of Atypical Lymphoid Cells From Peripheral Blood by Digital Image Analysis. American Journal of Clinical Pathology, 2015, 143, 168-176.	0.7	52
44	Active fault tolerant control for pitch actuators failures tested in a hardware-in-the-loop simulation for wind turbine controllers. , 2015, , .		2
45	Operation of an irrigation canal by means of the passive canal control. Irrigation Science, 2015, 33, 95-106.	2.8	5
46	New offset-free method for model predictive control of open channels. Control Engineering Practice, 2015, 41, 13-25.	5.5	35
47	Reduced-order coupled bidirectional modeling of the Roll-N-Cage isolator with application to the updated bridge benchmark. Acta Mechanica, 2015, 226, 3533-3553.	2.1	12
48	Passive and hybrid mitigation of potential near-fault inner pounding of a self-braking seismic isolator. Soil Dynamics and Earthquake Engineering, 2015, 69, 233-250.	3.8	18
49	ADEX Optimized Adaptive Controllers and Systems. Advances in Industrial Control, 2015, , .	0.5	5
50	Applying robust variant of Principal Component Analysis as a damage detector in the presence of outliers. Mechanical Systems and Signal Processing, 2015, 50-51, 467-479.	8.0	33
51	Closure: The Strength of the Concepts. Advances in Industrial Control, 2015, , 367-375.	0.5	0
52	Extended Strategy of Predictive Control. Advances in Industrial Control, 2015, , 83-110.	0.5	0
53	Introduction to Optimized Adaptive Controllers and Systems. Advances in Industrial Control, 2015, , 3-35.	0.5	0
54	Validation of Damage Identification Using Non-Linear Data-Driven Modelling. , 2015, , 992-1004.		0

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55	Methodologies of Damage Identification Using Non-Linear Data-Driven Modelling. , 2015, , 978-991.		0
56	New Features for Damage Detection and Their Temperature Stability. Advances in Civil and Industrial Engineering Book Series, 2015, , 12-47.	0.2	0
57	Automatic classification of atypical lymphoid B cells using digital blood image processing. International Journal of Laboratory Hematology, 2014, 36, 472-480.	1.3	22
58	A structural damage detection indicator based on principal component analysis and statistical hypothesis testing. Smart Materials and Structures, 2014, 23, 025014.	3.5	49
59	Experimental comparison of canal models for control purposes using simulation and laboratory experiments. Journal of Hydroinformatics, 2014, 16, 1390-1408.	2.4	5
60	An isolation device for near-fault ground motions. Structural Control and Health Monitoring, 2014, 21, 249-268.	4.0	36
61	A European Association for the Control of Structures joint perspective. Recent studies in civil structural control across Europe. Structural Control and Health Monitoring, 2014, 21, 1414-1436.	4.0	82
62	Data-driven methodology to detect and classify structural changes under temperature variations. Smart Materials and Structures, 2014, 23, 045006.	3.5	25
63	Data-driven multivariate algorithms for damage detection and identification: Evaluation and comparison. Structural Health Monitoring, 2014, 13, 19-32.	7.5	36
64	Application of the GoRoSo Feedforward Algorithm to Compute the Gate Trajectories for a Quick Canal Closing in the Case of an Emergency. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 1028-1036.	1.0	12
65	A study of two unsupervised data driven statistical methodologies for detecting and classifying damages in structural health monitoring. Mechanical Systems and Signal Processing, 2013, 41, 467-484.	8.0	65
66	Damage detection and classification in pipework using acousto-ultrasonics and non-linear data-driven modelling. Journal of Civil Structural Health Monitoring, 2013, 3, 297-306.	3.9	12
67	The effect of the choice of the control variables of the water level control of open channels. , 2013, , .		2
68	Damage classification in structural health monitoring using principal component analysis and self-organizing maps. Structural Control and Health Monitoring, 2013, 20, 1303-1316.	4.0	100
69	Characterization, modeling and assessment of Roll-N-Cage isolator using the cable-stayed bridge benchmark. Acta Mechanica, 2013, 224, 525-547.	2.1	24
70	Near-fault isolation of cable-stayed bridges using RNC isolator. Engineering Structures, 2013, 56, 327-342.	5.3	37
71	GoRoSo: Feedforward Control Algorithm for Irrigation Canals Based on Sequential Quadratic Programming. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 41-54.	1.0	18
72	A Robust Procedure for Damage Detection from Strain Measurements Based on Principal Component Analysis. Key Engineering Materials, 2013, 558, 128-138.	0.4	1

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73	An adaptive predictive approach for river level forecasting. <i>Journal of Hydroinformatics</i> , 2013, 15, 232-245.	2.4	4
74	Multivariate data-driven modelling and pattern recognition for damage detection and identification for acoustic emission and acousto-ultrasonics. <i>Smart Materials and Structures</i> , 2013, 22, 105023.	3.5	18
75	Partial least square/projection to latent structures (PLS) regression to estimate impact localization in structures. <i>Smart Materials and Structures</i> , 2013, 22, 025028.	3.5	12
76	Hybrid RNC-isolation of structures under near-fault earthquakes. , 2012, , .		0
77	Active and semi-active control of structures " theory and applications: A review of recent advances. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 1181-1195.	2.5	170
78	Introducing Dynamics and Control to Civil Engineers through an Experimental Flume. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2012, 138, 267-273.	0.9	2
79	Seismic protection of low- to moderate-mass buildings using RNC isolator. <i>Structural Control and Health Monitoring</i> , 2012, 19, 22-42.	4.0	15
80	Force-derivative feedback semi-active control of base-isolated buildings using large-scale MR fluid dampers. <i>Structural Control and Health Monitoring</i> , 2012, 19, 120-145.	4.0	31
81	Parametric identification of the Dahl model for large scale MR dampers. <i>Structural Control and Health Monitoring</i> , 2012, 19, 332-347.	4.0	28
82	Adaptive predictive expert control of levels in large canals for irrigation water distribution. <i>International Journal of Adaptive Control and Signal Processing</i> , 2012, 26, 945-960.	4.1	11
83	Survey of industrial optimized adaptive control. <i>International Journal of Adaptive Control and Signal Processing</i> , 2012, 26, 881-918.	4.1	27
84	Seismic protection of the ASCE updated cable-stayed bridge benchmark with RNC passive devices. <i>Bridge Maintenance, Safety and Management</i> , 2012, , 2302-2309.	0.1	0
85	Active-passive control strategy for adjacent buildings. , 2011, , .		4
86	Comparison of two robust PCA methods for damage detection in presence of outliers. <i>Journal of Physics: Conference Series</i> , 2011, 305, 012009.	0.4	4
87	Closure to "Benchmark of Discharge Calibration Methods for Submerged Sluice Gates" by Carlos Sepúlveda, Manuel Gómez, and José Rodellar. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011, 137, 57-58.	1.0	10
88	Proportional-plus-integral semiactive control using magnetorheological dampers. <i>Journal of Sound and Vibration</i> , 2011, 330, 2185-2200.	3.9	24
89	Control of base-isolated systems using force feedback. , 2011, , .		1
90	Comparison of several methods for damage localization using indices and contributions based on PCA. <i>Journal of Physics: Conference Series</i> , 2011, 305, 012013.	0.4	7

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91	Modeling and identification of a small scale magnetorheological damper. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 19-24.	0.4	2
92	Parameter identification of large-scale magnetorheological dampers in a benchmark building. Computers and Structures, 2010, 88, 198-206.	4.4	31
93	Sequential design of multi-overlapping controllers for longitudinal multi-overlapping systems. Applied Mathematics and Computation, 2010, 217, 1170-1183.	2.2	17
94	Hierarchical semi-active control of base-isolated structures using a new inverse model of magnetorheological dampers. Computers and Structures, 2010, 88, 483-496.	4.4	54
95	An innovative isolation device for aseismic design. Engineering Structures, 2010, 32, 1168-1183.	5.3	70
96	Robust stabilisation of polynomial systems with uncertain parameters. International Journal of Systems Science, 2010, 41, 575-584.	5.5	9
97	Teaching Control of Irrigation Canals for non system engineering audiences. , 2009, , .		0
98	A velocity-based seismic control for base-isolated building structures. , 2009, , .		2
99	Benchmark of Discharge Calibration Methods for Submerged Sluice Gates. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 676-682.	1.0	47
100	Performance of structureâ€“equipment systems with a novel roll-n-cage isolation bearing. Computers and Structures, 2009, 87, 1631-1646.	4.4	22
101	Parametric identification of nonlinear hysteretic systems. Nonlinear Dynamics, 2009, 58, 393-404.	5.2	21
102	The Hysteresis Bouc-Wen Model, a Survey. Archives of Computational Methods in Engineering, 2009, 16, 161-188.	10.2	574
103	A nonlinear damping control for the vibration mitigation of the benchmark highway bridge. Structural Control and Health Monitoring, 2009, 16, 586-598.	4.0	11
104	Hyperbolic control for vibration mitigation of a base-isolated benchmark structure. Structural Control and Health Monitoring, 2009, 16, n/a-n/a.	4.0	6
105	An innovative isolation bearing for motion-sensitive equipment. Journal of Sound and Vibration, 2009, 326, 503-521.	3.9	54
106	Automatic Control of Flows and Levels in an Irrigation Canal. IEEE Transactions on Industry Applications, 2009, 45, 2198-2208.	4.9	19
107	Modeling and Identification of a Small-scale Magnetorheological Damper. Journal of Intelligent Material Systems and Structures, 2009, 20, 825-835.	2.5	22
108	Model identification of a large-scale magnetorheological fluid damper. Smart Materials and Structures, 2009, 18, 015010.	3.5	35

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109	Numerical issues in backstepping control: Sensitivity and parameter tuning. Journal of the Franklin Institute, 2008, 345, 891-905.	3.4	19
110	Robust active control of hysteretic base-isolated structures: Application to the benchmark smart base-isolated building. Structural Control and Health Monitoring, 2008, 15, 720-736.	4.0	31
111	A control tool for irrigation canals with scheduled demands. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 152-167.	1.7	5
112	Parametric Identification of Nonlinear Hysteretic systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5005-5010.	0.4	0
113	Acceleration Feedback Control of Hysteretic Base-Isolated Structures: Application to a Benchmark Case. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2526-2531.	0.4	0
114	A design procedure for overlapped guaranteed cost controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8701-8706.	0.4	0
115	Overlapping Resilient H2 Filtering for Uncertain Continuous-Time Systems. Proceedings of the American Control Conference, 2007, , .	0.0	1
116	Decentralised reliable guaranteed cost control of uncertain systems: an LMI design. IET Control Theory and Applications, 2007, 1, 779-785.	2.1	35
117	Robust-Adaptive Control of Mechanical Systems with Friction: Application to an Industrial Emulator. Proceedings of the American Control Conference, 2007, , .	0.0	3
118	Digital Adaptive Control of Nonlinear Base Isolated Structures. Proceedings of the American Control Conference, 2007, , .	0.0	0
119	Concurrent and Simple Controller for AC/DC Power Converters - Theoretical Design and Experimental Evaluation. , 2007, , .		0
120	Dynamic properties of the hysteretic Bouc-Wen model. Systems and Control Letters, 2007, 56, 197-205.	2.3	171
121	Variation of the hysteresis loop with the Bouc-Wen model parameters. Nonlinear Dynamics, 2007, 48, 361-380.	5.2	94
122	Robust Overlapping Guaranteed Cost Control of Uncertain State-Delay Discrete-Time Systems. IEEE Transactions on Automatic Control, 2006, 51, 1943-1950.	5.7	37
123	Adaptive Backstepping Control of Hysteretic Base-Isolated Structures. JVC/Journal of Vibration and Control, 2006, 12, 373-394.	2.6	44
124	A Linear Controller for Hysteretic Systems. IEEE Transactions on Automatic Control, 2006, 51, 340-344.	5.7	49
125	Analytical Characterization of Hysteresis Loops Described by the Bouc-Wen Model. Mechanics of Advanced Materials and Structures, 2006, 13, 463-472.	2.6	18
126	Optimal complementary matrices in systems with overlapping decomposition: A computational approach. , 2006, , .		0

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127	Non-destructive Testing for Assessing Structures by Using Soft-Computing. Lecture Notes in Computer Science, 2006, , 982-991.	1.3	3
128	OVERLAPPING GUARANTEED COST CONTROL FOR UNCERTAIN CONTINUOUS-TIME DELAYED SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 39-44.	0.4	15
129	PHYSICAL CONSISTENCY OF THE HYSTERETIC BOUC-WEN MODEL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 874-879.	0.4	4
130	Analytical study of the influence of the normalized Bouc-Wen model parameters on hysteresis loops. , 2005, 5757, 535.		1
131	LPV VS MULTI-MODEL PI(D) GAIN-SCHEDULING APPLIED TO CANAL CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 13-18.	0.4	5
132	Adaptive control of a hysteretic structural system. Automatica, 2005, 41, 225-231.	5.0	127
133	Control of uncertain non-linear systems via adaptive backstepping. Journal of Sound and Vibration, 2005, 280, 657-680.	3.9	31
134	On the Hysteretic Bouc-Wen Model. Nonlinear Dynamics, 2005, 42, 63-78.	5.2	126
135	On the Hysteretic Bouc-Wen Model. Nonlinear Dynamics, 2005, 42, 79-95.	5.2	50
136	A hybrid approach of knowledge-based reasoning for structural assessment. Smart Materials and Structures, 2005, 14, 1554-1562.	3.5	16
137	Overlapping reliable control for a cable-stayed bridge benchmark. IEEE Transactions on Control Systems Technology, 2005, 13, 663-669.	5.2	30
138	Active control of structures with uncertain coupled subsystems and actuator dynamics. , 2004, , .		1
139	Bounded and dissipative solutions of the Bouc-Wen model for hysteretic structural systems. , 2004, , .		10
140	Inclusion principle for uncertain discrete-time systems with guaranteed cost. , 2004, , .		4
141	Overlapping Guaranteed Cost Control for Uncertain Discrete-Time Systems 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 43-48.	0.4	1
142	Contractibility of dynamic LTI controllers using complementary matrices. IEEE Transactions on Automatic Control, 2003, 48, 1269-1274.	5.7	9
143	Robust control law for a friction-based semiactive controller of a two-span bridge. , 2003, 5057, 524.		4
144	Adaptive backstepping control of a class of hysteretic systems. , 2003, , .		3

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145	Robust Active Control of Uncertain Flexible Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 61-65.	0.4	0
146	Sliding mode control of structures with uncertain coupled subsystems and actuator dynamics. , 2003, , ,		1
147	Decentralized active control of a class of uncertain cable-stayed flexible structures. International Journal of Control, 2002, 75, 285-296.	1.9	17
148	Decentralized control design for a cable-stayed bridge benchmark. , 2002, , ,		4
149	Overlapping Quadratic Optimal Control of Linear Time-Varying Commutative Systems. SIAM Journal on Control and Optimization, 2002, 40, 1611-1627.	2.1	15
150	Predictive control method for decentralized operation of irrigation canals. Applied Mathematical Modelling, 2002, 26, 1039-1056.	4.2	87
151	An active tendon control scheme for cable-stayed bridges with model uncertainties and seismic excitation. Structural Control and Health Monitoring, 2002, 9, 75-94.	0.5	22
152	A Simulink-Based Scheme for Simulation of Irrigation Canal Control Systems. Simulation, 2002, 78, 485-493.	1.8	9
153	Overlapping guaranteed cost control for time-varying discrete-time uncertain systems. , 2002, , ,		6
154	Vibration control of structures with uncertainties due to coupled subsystems. , 2001, , ,		2
155	Overlapping LQ Control of Discrete-Time Time-Varying Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 389-394.	0.4	0
156	Digital control via interval analysis. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 203-212.	1.1	7
157	Controllability-observability of expanded composite systems. Linear Algebra and Its Applications, 2001, 332-334, 381-400.	0.9	13
158	Composite semiactive control of a class of seismically excited structures. Journal of the Franklin Institute, 2001, 338, 225-240.	3.4	41
159	Preservation of controllability-observability in expanded systems. IEEE Transactions on Automatic Control, 2001, 46, 1155-1162.	5.7	25
160	ON A STABILITY-BASED APPROACH FOR ROBUST ACTIVE, SEMIACTIVE AND HYBRID STRUCTURAL CONTROL. , 2001, , ,		1
161	Output feedback sliding mode control of base isolated structures. Journal of the Franklin Institute, 2000, 337, 555-577.	3.4	47
162	Analysis of the Robustness of Predictive Controllers via Modal Intervals. Reliable Computing, 2000, 6, 281-301.	0.8	8

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163	Generalized selection of complementary matrices in the inclusion principle. IEEE Transactions on Automatic Control, 2000, 45, 1237-1243.	5.7	37
164	Structure of Expansion-Contraction Matrices in the Inclusion Principle for Dynamic Systems. SIAM Journal on Matrix Analysis and Applications, 2000, 21, 1136-1155.	1.4	41
165	Dynamic System Characterization via Eigenvalue Orbits. Journal of Guidance, Control, and Dynamics, 1999, 22, 447-454.	2.8	1
166	Decentralized model reference control of flexible cable-stayed beam structures. , 1999, , .		0
167	Active model reference SMC schemes for vibration reduction of flexible cable-stayed bridges. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 5949-5954.	0.4	1
168	Active Control of Cable-Stayed Bridges. , 1999, , 193-202.		7
169	Control Theory Sources in Active Control of Civil Engineering Structures. , 1999, , 285-294.		0
170	Decentralized Sliding Mode Control of a Two-Cable-Stayed Bridge. , 1999, , 183-192.		0
171	Composite robust active control of seismically excited structures with actuator dynamics. , 1998, 27, 301-311.		17
172	Nonlinear decentralized active tendon control of cable-stayed bridges. Structural Control and Health Monitoring, 1998, 5, 45-62.	0.5	18
173	Composite sliding mode control of seismically excited structures with actuator dynamics. , 1997, , .		0
174	Using Interval Methods for Control Systems Design in the Parameter Space. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 353-357.	0.4	2
175	ADAPTIVE PREDICTIVE CONTROL: LIMITS OF STABILITY. International Journal of Adaptive Control and Signal Processing, 1997, 11, 263-283.	4.1	7
176	ROBUST STABILIZATION OF A CLASS OF UNCERTAIN TIME DELAY SYSTEMS IN SLIDING MODE. International Journal of Robust and Nonlinear Control, 1997, 7, 59-74.	3.7	61
177	ADAPTIVE PREDICTIVE CONTROL: LIMITS OF STABILITY. International Journal of Adaptive Control and Signal Processing, 1997, 11, 263-283.	4.1	1
178	Decentralised control design of uncertain nominally linear symmetric composite systems. IET Control Theory and Applications, 1996, 143, 530-536.	1.7	25
179	Adaptive predictive control algorithm for compensation of parameters of a power electronics system. Electronics Letters, 1995, 31, 329-330.	1.0	2
180	Adaptive control of uncertain coupled mechanical systems with application to base-isolated structures. Applied Mathematics and Computation, 1995, 70, 299-314.	2.2	3

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181	Decentralized control and overlapping decomposition of mechanical systemsâ€”Part 1. System decomposition. International Journal of Control, 1995, 61, 559-570.	1.9	43
182	Decentralized control and overlapping decomposition of mechanical systemsâ€”Part 2: Decentralized stabilization. International Journal of Control, 1995, 61, 571-587.	1.9	6
183	Influence of time delays in the efficiency of active mass dampers. Smart Materials and Structures, 1995, 4, A1-A8.	3.5	4
184	Active Control of Nonlinear Base-Isolated Buildings. Journal of Engineering Mechanics - ASCE, 1995, 121, 676-684.	2.9	64
185	Closure to â€œControl Method for On-Demand Operation of Open-Channel Flowâ€”by Josel Rodellar, Manuel Golmez, and Luis Bonet. Journal of Irrigation and Drainage Engineering - ASCE, 1995, 121, 308.	1.0	0
186	Modal Predictive Control of Structures. II: Implementation. Journal of Engineering Mechanics - ASCE, 1994, 120, 1761-1772.	2.9	15
187	Modal Predictive Control of Structures. I: Formulation. Journal of Engineering Mechanics - ASCE, 1994, 120, 1743-1760.	2.9	18
188	Active Control: Concepts and Strategies. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1994, , 275-318.	0.6	0
189	Control Method for Onâ€”Demand Operation of Openâ€”Channel Flow. Journal of Irrigation and Drainage Engineering - ASCE, 1993, 119, 225-241.	1.0	43
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