

Jose Rodellar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3120673/publications.pdf>

Version: 2024-02-01

220
papers

5,096
citations

101496

36
h-index

114418

63
g-index

226
all docs

226
docs citations

226
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hysteresis Bouc-Wen Model, a Survey. Archives of Computational Methods in Engineering, 2009, 16, 161-188.	6.0	574
2	Dynamic properties of the hysteretic Bouc-Wen model. Systems and Control Letters, 2007, 56, 197-205.	1.3	171
3	Active and semi-active control of structures – theory and applications: A review of recent advances. Journal of Intelligent Material Systems and Structures, 2012, 23, 1181-1195.	1.4	170
4	Adaptive control of a hysteretic structural system. Automatica, 2005, 41, 225-231.	3.0	127
5	On the Hysteretic Bouc-Wen Model. Nonlinear Dynamics, 2005, 42, 63-78.	2.7	126
6	Recognition of peripheral blood cell images using convolutional neural networks. Computer Methods and Programs in Biomedicine, 2019, 180, 105020.	2.6	104
7	Damage classification in structural health monitoring using principal component analysis and self-organizing maps. Structural Control and Health Monitoring, 2013, 20, 1303-1316.	1.9	100
8	Variation of the hysteresis loop with the Bouc-Wen model parameters. Nonlinear Dynamics, 2007, 48, 361-380.	2.7	94
9	Predictive control method for decentralized operation of irrigation canals. Applied Mathematical Modelling, 2002, 26, 1039-1056.	2.2	87
10	A dataset of microscopic peripheral blood cell images for development of automatic recognition systems. Data in Brief, 2020, 30, 105474.	0.5	83
11	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.	1.9	82
12	Wind turbine fault detection and classification by means of image texture analysis. Mechanical Systems and Signal Processing, 2018, 107, 149-167.	4.4	81
13	Image processing and machine learning in the morphological analysis of blood cells. International Journal of Laboratory Hematology, 2018, 40, 46-53.	0.7	73
14	An innovative isolation device for aseismic design. Engineering Structures, 2010, 32, 1168-1183.	2.6	70
15	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.	4.4	65
16	Predictive Control of Structures. Journal of Engineering Mechanics - ASCE, 1987, 113, 797-812.	1.6	64
17	Active Control of Nonlinear Base-Isolated Buildings. Journal of Engineering Mechanics - ASCE, 1995, 121, 676-684.	1.6	64
18	Structural damage detection using principal component analysis and damage indices. Journal of Intelligent Material Systems and Structures, 2016, 27, 233-248.	1.4	64

#	ARTICLE	IF	CITATIONS
19	ROBUST STABILIZATION OF A CLASS OF UNCERTAIN TIME DELAY SYSTEMS IN SLIDING MODE. <i>International Journal of Robust and Nonlinear Control</i> , 1997, 7, 59-74.	2.1	61
20	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.	2.6	58
21	An innovative isolation bearing for motion-sensitive equipment. <i>Journal of Sound and Vibration</i> , 2009, 326, 503-521.	2.1	54
22	Hierarchical semi-active control of base-isolated structures using a new inverse model of magnetorheological dampers. <i>Computers and Structures</i> , 2010, 88, 483-496.	2.4	54
23	Automatic Recognition of Atypical Lymphoid Cells From Peripheral Blood by Digital Image Analysis. <i>American Journal of Clinical Pathology</i> , 2015, 143, 168-176.	0.4	52
24	On the Hysteretic Bouc-Wen Model. <i>Nonlinear Dynamics</i> , 2005, 42, 79-95.	2.7	50
25	A Linear Controller for Hysteretic Systems. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 340-344.	3.6	49
26	A structural damage detection indicator based on principal component analysis and statistical hypothesis testing. <i>Smart Materials and Structures</i> , 2014, 23, 025014.	1.8	49
27	Optimizing morphology through blood cell image analysis. <i>International Journal of Laboratory Hematology</i> , 2018, 40, 54-61.	0.7	49
28	Output feedback sliding mode control of base isolated structures. <i>Journal of the Franklin Institute</i> , 2000, 337, 555-577.	1.9	47
29	Benchmark of Discharge Calibration Methods for Submerged Sluice Gates. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2009, 135, 676-682.	0.6	47
30	Adaptive Backstepping Control of Hysteretic Base-Isolated Structures. <i>JVC/Journal of Vibration and Control</i> , 2006, 12, 373-394.	1.5	44
31	Control Method for On-Demand Operation of Open-Channel Flow. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1993, 119, 225-241.	0.6	43
32	Decentralized control and overlapping decomposition of mechanical systems—Part 1. System decomposition. <i>International Journal of Control</i> , 1995, 61, 559-570.	1.2	43
33	Fault Diagnosis and Fault-Tolerant Control of Wind Turbines via a Discrete Time Controller with a Disturbance Compensator. <i>Energies</i> , 2015, 8, 4300-4316.	1.6	42
34	Structure of Expansion-Contraction Matrices in the Inclusion Principle for Dynamic Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2000, 21, 1136-1155.	0.7	41
35	Composite semiactive control of a class of seismically excited structures. <i>Journal of the Franklin Institute</i> , 2001, 338, 225-240.	1.9	41
36	Experimental Digital Control of Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 1989, 115, 1245-1261.	1.6	40

#	ARTICLE	IF	CITATIONS
37	Generalized selection of complementary matrices in the inclusion principle. IEEE Transactions on Automatic Control, 2000, 45, 1237-1243.	3.6	37
38	Robust Overlapping Guaranteed Cost Control of Uncertain State-Delay Discrete-Time Systems. IEEE Transactions on Automatic Control, 2006, 51, 1943-1950.	3.6	37
39	Near-fault isolation of cable-stayed bridges using RNC isolator. Engineering Structures, 2013, 56, 327-342.	2.6	37
40	An isolation device for near-fault ground motions. Structural Control and Health Monitoring, 2014, 21, 249-268.	1.9	36
41	Data-driven multivariate algorithms for damage detection and identification: Evaluation and comparison. Structural Health Monitoring, 2014, 13, 19-32.	4.3	36
42	Automatic recognition of different types of acute leukaemia in peripheral blood by image analysis. Journal of Clinical Pathology, 2019, 72, 755-761.	1.0	36
43	Decentralised reliable guaranteed cost control of uncertain systems: an LMI design. IET Control Theory and Applications, 2007, 1, 779-785.	1.2	35
44	Model identification of a large-scale magnetorheological fluid damper. Smart Materials and Structures, 2009, 18, 015010.	1.8	35
45	New offset-free method for model predictive control of open channels. Control Engineering Practice, 2015, 41, 13-25.	3.2	35
46	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.	0.9	34
47	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.	4.4	33
48	Predictive control of base-isolated structures. Earthquake Engineering and Structural Dynamics, 1992, 21, 471-482.	2.5	32
49	A Deep Learning Approach for Segmentation of Red Blood Cell Images and Malaria Detection. Entropy, 2020, 22, 657.	1.1	32
50	Control of uncertain non-linear systems via adaptive backstepping. Journal of Sound and Vibration, 2005, 280, 657-680.	2.1	31
51	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.	1.9	31
52	Parameter identification of large-scale magnetorheological dampers in a benchmark building. Computers and Structures, 2010, 88, 198-206.	2.4	31
53	Force-derivative feedback semi-active control of base-isolated buildings using large-scale MR fluid dampers. Structural Control and Health Monitoring, 2012, 19, 120-145.	1.9	31
54	Overlapping reliable control for a cable-stayed bridge benchmark. IEEE Transactions on Control Systems Technology, 2005, 13, 663-669.	3.2	30

#	ARTICLE	IF	CITATIONS
55	SSP algorithm for linear and non-linear dynamic response simulation. International Journal for Numerical Methods in Engineering, 1988, 26, 2687-2706.	1.5	28
56	Parametric identification of the Dahl model for large scale MR dampers. Structural Control and Health Monitoring, 2012, 19, 332-347.	1.9	28
57	Survey of industrial optimized adaptive control. International Journal of Adaptive Control and Signal Processing, 2012, 26, 881-918.	2.3	27
58	Decentralised control design of uncertain nominally linear symmetric composite systems. IET Control Theory and Applications, 1996, 143, 530-536.	1.7	25
59	Preservation of controllability-observability in expanded systems. IEEE Transactions on Automatic Control, 2001, 46, 1155-1162.	3.6	25
60	Data-driven methodology to detect and classify structural changes under temperature variations. Smart Materials and Structures, 2014, 23, 045006.	1.8	25
61	Proportional-plus-integral semiactive control using magnetorheological dampers. Journal of Sound and Vibration, 2011, 330, 2185-2200.	2.1	24
62	Characterization, modeling and assessment of Roll-N-Cage isolator using the cable-stayed bridge benchmark. Acta Mechanica, 2013, 224, 525-547.	1.1	24
63	Sequential classification system for recognition of malaria infection using peripheral blood cell images. Journal of Clinical Pathology, 2020, 73, 665-670.	1.0	24
64	Output feedback control of uncertain coupled systems. International Journal of Control, 1993, 58, 445-457.	1.2	22
65	An active tendon control scheme for cable-stayed bridges with model uncertainties and seismic excitation. Structural Control and Health Monitoring, 2002, 9, 75-94.	0.4	22
66	Performance of structureâ€œequipment systems with a novel roll-n-cage isolation bearing. Computers and Structures, 2009, 87, 1631-1646.	2.4	22
67	Modeling and Identification of a Small-scale Magnetorheological Damper. Journal of Intelligent Material Systems and Structures, 2009, 20, 825-835.	1.4	22
68	Automatic classification of atypical lymphoid B cells using digital blood image processing. International Journal of Laboratory Hematology, 2014, 36, 472-480.	0.7	22
69	Parametric identification of nonlinear hysteretic systems. Nonlinear Dynamics, 2009, 58, 393-404.	2.7	21
70	Stable Predictive Control of Openâ€œChannel Flow. Journal of Irrigation and Drainage Engineering - ASCE, 1989, 115, 701-713.	0.6	20
71	Characterization and automatic screening of reactive and abnormal neoplastic B lymphoid cells from peripheral blood. International Journal of Laboratory Hematology, 2016, 38, 209-219.	0.7	20
72	Numerical issues in backstepping control: Sensitivity and parameter tuning. Journal of the Franklin Institute, 2008, 345, 891-905.	1.9	19

#	ARTICLE	IF	CITATIONS
73	Automatic Control of Flows and Levels in an Irrigation Canal. IEEE Transactions on Industry Applications, 2009, 45, 2198-2208.	3.3	19
74	Modal Predictive Control of Structures. I: Formulation. Journal of Engineering Mechanics - ASCE, 1994, 120, 1743-1760.	1.6	18
75	Nonlinear decentralized active tendon control of cable-stayed bridges. Structural Control and Health Monitoring, 1998, 5, 45-62.	0.4	18
76	Analytical Characterization of Hysteresis Loops Described by the Bouc-Wen Model. Mechanics of Advanced Materials and Structures, 2006, 13, 463-472.	1.5	18
77	GoRoSo: Feedforward Control Algorithm for Irrigation Canals Based on Sequential Quadratic Programming. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 41-54.	0.6	18
78	Multivariate data-driven modelling and pattern recognition for damage detection and identification for acoustic emission and acousto-ultrasonics. Smart Materials and Structures, 2013, 22, 105023.	1.8	18
79	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.	1.9	18
80	Automatic identification of malaria and other red blood cell inclusions using convolutional neural networks. Computers in Biology and Medicine, 2021, 136, 104680.	3.9	18
81	Composite robust active control of seismically excited structures with actuator dynamics. , 1998, 27, 301-311.		17
82	Decentralized active control of a class of uncertain cable-stayed flexible structures. International Journal of Control, 2002, 75, 285-296.	1.2	17
83	Sequential design of multi-overlapping controllers for longitudinal multi-overlapping systems. Applied Mathematics and Computation, 2010, 217, 1170-1183.	1.4	17
84	A hybrid approach of knowledge-based reasoning for structural assessment. Smart Materials and Structures, 2005, 14, 1554-1562.	1.8	16
85	Color clustering segmentation framework for image analysis of malignant lymphoid cells in peripheral blood. Medical and Biological Engineering and Computing, 2019, 57, 1265-1283.	1.6	16
86	Modal Predictive Control of Structures. II: Implementation. Journal of Engineering Mechanics - ASCE, 1994, 120, 1761-1772.	1.6	15
87	Overlapping Quadratic Optimal Control of Linear Time-Varying Commutative Systems. SIAM Journal on Control and Optimization, 2002, 40, 1611-1627.	1.1	15
88	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
89	Seismic protection of low- to moderate-mass buildings using RNC isolator. Structural Control and Health Monitoring, 2012, 19, 22-42.	1.9	15
90	New quantitative features for the morphological differentiation of abnormal lymphoid cell images from peripheral blood. Journal of Clinical Pathology, 2017, 70, 1038-1048.	1.0	15

#	ARTICLE	IF	CITATIONS
91	Considering temperature effect on robust principal component analysis orthogonal distance as a damage detector. <i>Structural Health Monitoring</i> , 2020, 19, 781-795.	4.3	15
92	Hysteresis-Based Design of Dynamic Reference Trajectories to Avoid Saturation in Controlled Wind Turbines. <i>Asian Journal of Control</i> , 2017, 19, 438-449.	1.9	14
93	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.	3.9	14
94	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.	1.0	14
95	Control Systems of Building Structures by Active Cables. <i>Journal of Structural Engineering</i> , 1989, 115, 2897-2913.	1.7	13
96	Controllability-observability of expanded composite systems. <i>Linear Algebra and Its Applications</i> , 2001, 332-334, 381-400.	0.4	13
97	Multiway principal component analysis contributions for structural damage localization. <i>Structural Health Monitoring</i> , 2018, 17, 1151-1165.	4.3	13
98	An Adaptive Predictive control scheme with dynamic Hysteresis Modulation applied to a DC-DC buck converter. <i>ISA Transactions</i> , 2020, 105, 240-255.	3.1	13
99	Application of the GoRoSo Feedforward Algorithm to Compute the Gate Trajectories for a Quick Canal Closing in the Case of an Emergency. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 1028-1036.	0.6	12
100	Damage detection and classification in pipework using acousto-ultrasonics and non-linear data-driven modelling. <i>Journal of Civil Structural Health Monitoring</i> , 2013, 3, 297-306.	2.0	12
101	Partial least square/projection to latent structures (PLS) regression to estimate impact localization in structures. <i>Smart Materials and Structures</i> , 2013, 22, 025028.	1.8	12
102	Reduced-order coupled bidirectional modeling of the Roll-N-Cage isolator with application to the updated bridge benchmark. <i>Acta Mechanica</i> , 2015, 226, 3533-3553.	1.1	12
103	Overlapping Resilient HG Control for Uncertain Time-Delayed Systems. , 0, , .		11
104	A nonlinear damping control for the vibration mitigation of the benchmark highway bridge. <i>Structural Control and Health Monitoring</i> , 2009, 16, 586-598.	1.9	11
105	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.	2.3	11
106	Feasibility and robustness of predictive control of building structures by active cables. <i>Earthquake Engineering and Structural Dynamics</i> , 1990, 19, 157-171.	2.5	10
107	Optimal location of actuators for active damping of vibration. <i>AIAA Journal</i> , 1993, 31, 1274-1279.	1.5	10
108	Bounded and dissipative solutions of the Bouc-Wen model for hysteretic structural systems. , 2004, , .		10

#	ARTICLE	IF	CITATIONS
109	Closure to "Benchmark of Discharge Calibration Methods for Submerged Sluice Gates" by Carlos Sepúlveda, Manuel Gómez, and José Rodellar. Journal of Irrigation and Drainage Engineering - ASCE, 2011, 137, 57-58.	0.6	10
110	Active control of building structures under measured seismic loads. Engineering Computations, 1985, 2, 128-134.	0.7	9
111	A Simulink-Based Scheme for Simulation of Irrigation Canal Control Systems. Simulation, 2002, 78, 485-493.	1.1	9
112	Contractibility of dynamic LTI controllers using complementary matrices. IEEE Transactions on Automatic Control, 2003, 48, 1269-1274.	3.6	9
113	Robust stabilisation of polynomial systems with uncertain parameters. International Journal of Systems Science, 2010, 41, 575-584.	3.7	9
114	Predictive control of irrigation canals "robust design and real-time implementation. Water Resources Management, 2016, 30, 3829-3843.	1.9	9
115	Decentralized predictive control of multi-reach canals. , 0, , .		8
116	Analysis of the Robustness of Predictive Controllers via Modal Intervals. Reliable Computing, 2000, 6, 281-301.	0.8	8
117	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.	1.0	8
118	ADAPTIVE PREDICTIVE CONTROL: LIMITS OF STABILITY. International Journal of Adaptive Control and Signal Processing, 1997, 11, 263-283.	2.3	7
119	Digital control via interval analysis. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 203-212.	0.6	7
120	Comparison of several methods for damage localization using indices and contributions based on PCA. Journal of Physics: Conference Series, 2011, 305, 012013.	0.3	7
121	Active Control of Cable-Stayed Bridges. , 1999, , 193-202.		7
122	Decentralized control and overlapping decomposition of mechanical systems"Part 2: Decentralized stabilization. International Journal of Control, 1995, 61, 571-587.	1.2	6
123	Hyperbolic control for vibration mitigation of a base-isolated benchmark structure. Structural Control and Health Monitoring, 2009, 16, n/a-n/a.	1.9	6
124	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.	1.9	6
125	Experimental investigations of a rolling-based seismic isolation system. JVC/Journal of Vibration and Control, 2018, 24, 323-342.	1.5	6
126	Hysteretic active control of base-isolated buildings. Structural Control and Health Monitoring, 2018, 25, e2206.	1.9	6

#	ARTICLE	IF	CITATIONS
127	Overlapping guaranteed cost control for time-varying discrete-time uncertain systems. , 2002, , .		6
128	A Deep Learning Approach for the Morphological Recognition of Reactive Lymphocytes in Patients with COVID-19 Infection. Bioengineering, 2022, 9, 229.	1.6	6
129	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
130	A control tool for irrigation canals with scheduled demands. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 152-167.	0.7	5
131	Experimental comparison of canal models for control purposes using simulation and laboratory experiments. Journal of Hydroinformatics, 2014, 16, 1390-1408.	1.1	5
132	Operation of an irrigation canal by means of the passive canal control. Irrigation Science, 2015, 33, 95-106.	1.3	5
133	ADEX Optimized Adaptive Controllers and Systems. Advances in Industrial Control, 2015, , .	0.4	5
134	Design and Experimental Implementation of a Hysteresis Algorithm to Optimize the Maximum Power Point Extracted from a Photovoltaic System. Energies, 2018, 11, 1866.	1.6	5
135	Sliding mode control of a class of uncertain coupled systems: application to base isolated structures. , 0, , .		4
136	Influence of time delays in the efficiency of active mass dampers. Smart Materials and Structures, 1995, 4, A1-A8.	1.8	4
137	Decentralized control design for a cable-stayed bridge benchmark. , 2002, , .		4
138	Robust control law for a friction-based semiactive controller of a two-span bridge. , 2003, 5057, 524.		4
139	Inclusion principle for uncertain discrete-time systems with guaranteed cost. , 2004, , .		4
140	PHYSICAL CONSISTENCY OF THE HYSTERETIC BOUC-WEN MODEL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 874-879.	0.4	4
141	Numerical sensitivity of the backstepping adaptive tuning functions control design. , 0, , .		4
142	Design of Reliable Output Feedback Control for Uncertain Interconnected Systems Using LMI. , 0, , .		4
143	Active-passive control strategy for adjacent buildings. , 2011, , .		4
144	Comparison of two robust PCA methods for damage detection in presence of outliers. Journal of Physics: Conference Series, 2011, 305, 012009.	0.3	4

#	ARTICLE	IF	CITATIONS
145	An adaptive predictive approach for river level forecasting. Journal of Hydroinformatics, 2013, 15, 232-245.	1.1	4
146	Acceleration-based fault-tolerant control design of offshore fixed wind turbines. Structural Control and Health Monitoring, 2017, 24, e1920.	1.9	4
147	Predictive Structural Control. , 1987, , 580-593.		4
148	Adaptive control of uncertain coupled mechanical systems with application to base-isolated structures. Applied Mathematics and Computation, 1995, 70, 299-314.	1.4	3
149	Adaptive backstepping control of a class of hysteretic systems. , 2003, , .		3
150	Robust-Adaptive Control of Mechanical Systems with Friction: Application to an Industrial Emulator. Proceedings of the American Control Conference, 2007, , .	0.0	3
151	Modeling and Identification of a Large-Scale Magnetorheological Fluid Damper. Advances in Science and Technology, 0, , .	0.2	3
152	Design of Distributed Multi-Actuator Systems with Incomplete State Information for Vibration Control of Large Structures. Designs, 2018, 2, 6.	1.3	3
153	Non-destructive Testing for Assessing Structures by Using Soft-Computing. Lecture Notes in Computer Science, 2006, , 982-991.	1.0	3
154	Adaptive predictive control algorithm for compensation of parameters of a power electronics system. Electronics Letters, 1995, 31, 329-330.	0.5	2
155	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
156	Vibration control of structures with uncertainties due to coupled subsystems. , 2001, , .		2
157	Adaptive backstepping control of some uncertain nonlinear oscillators. , 0, , .		2
158	Reliable control design for a cable-stayed bridge benchmark. , 0, , .		2
159	Variation of the Hysteresis Loop with the Bouc-Wen Model Parameters. , 0, , 63-111.		2
160	The Art of Control Algorithms Design and Implementation. Advances in Science and Technology, 0, , .	0.2	2
161	A velocity-based seismic control for base-isolated building structures. , 2009, , .		2
162	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

#	ARTICLE	IF	CITATIONS
163	Introducing Dynamics and Control to Civil Engineers through an Experimental Flume. Journal of Professional Issues in Engineering Education and Practice, 2012, 138, 267-273.	0.9	2
164	The effect of the choice of the control variables of the water level control of open channels. , 2013, , .		2
165	Damage Detection Using Principal Component Analysis Based on Wavelet Ridges. Key Engineering Materials, 0, 569-570, 916-923.	0.4	2
166	Active fault tolerant control for pitch actuators failures tested in a hardware-in-the-loop simulation for wind turbine controllers. , 2015, , .		2
167	Wind Turbine Synchronous Reset Pitch Control. Energies, 2017, 10, 770.	1.6	2
168	Fault detection and isolation of pitch actuator faults in a floating wind turbine. IFAC-PapersOnLine, 2018, 51, 480-487.	0.5	2
169	A Simulation Scheme for Numerical Analysis of Active Control Systems for Tall Buildings. , 1987, , 275-282.		2
170	Design of a speed regulator for induction motor drives based on adaptive predictive control algorithm. , 0, , .		1
171	Dynamic System Characterization via Eigenvalue Orbits. Journal of Guidance, Control, and Dynamics, 1999, 22, 447-454.	1.6	1
172	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
173	Sliding mode control of structures with uncertain coupled subsystems and actuator dynamics. , 2003, , .		1
174	Active control of structures with uncertain coupled subsystems and actuator dynamics. , 2004, , .		1
175	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
176	Analytical study of the influence of the normalized Bouc-Wen model parameters on hysteresis loops. , 2005, 5757, 535.		1
177	Control of hysteretic base-isolated structures: an adaptive backstepping approach. , 0, , .		1
178	Overlapping Resilient H2 Filtering for Uncertain Continuous-Time Systems. Proceedings of the American Control Conference, 2007, , .	0.0	1
179	Control of base-isolated systems using force feedback. , 2011, , .		1
180	A Robust Procedure for Damage Detection from Strain Measurements Based on Principal Component Analysis. Key Engineering Materials, 2013, 558, 128-138.	0.4	1

#	ARTICLE	IF	CITATIONS
181	Passive fault tolerant control strategy in controlled wind turbines. , 2016, , .		1
182	Wind turbines controllers design based on the super-twisting algorithm. , 2016, , .		1
183	Hysteresis based vibration control of base-isolated structures. Procedia Engineering, 2017, 199, 1798-1803.	1.2	1
184	Quantitative Cytologic Descriptors to Differentiate CLL, SÃ©zary, Granular, and Villous Lymphocytes Through Image Analysis. American Journal of Clinical Pathology, 2019, 152, 74-85.	0.4	1
185	A Hysteresis Dynamic Mathematical Model Approach to Parametric Estimation System. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	1
186	ADAPTIVE PREDICTIVE CONTROL: LIMITS OF STABILITY. International Journal of Adaptive Control and Signal Processing, 1997, 11, 263-283.	2.3	1
187	ON A STABILITY-BASED APPROACH FOR ROBUST ACTIVE, SEMIACTIVE AND HYBRID STRUCTURAL CONTROL. , 2001, , .		1
188	STATE SPACE APPROACH TO THE BEHAVIOUR OF SEWER SYSTEMS. Journal of Hydraulic Research/De Recherches Hydrauliques, 1988, 26, 243-245.	0.7	0
189	Decentralized Control Design for Uncertain Systems Using Multimodelling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1992, 25, 239-244.	0.4	0
190	Composite sliding mode control of seismically excited structures with actuator dynamics. , 1997, , .		0
191	Decentralized model reference control of flexible cable-stayed beam structures. , 1999, , .		0
192	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
193	Overlapping quadratic optimal control of linear time-varying commutative systems. , 0, , .		0
194	Robust Active Control of Uncertain Flexible Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 61-65.	0.4	0
195	Nonlinear control of uncertain systems via semidefinite programming. , 0, , .		0
196	Optimal complementary matrices in systems with overlapping decomposition: A computational approach. , 2006, , .		0
197	Digital Adaptive Control of Nonlinear Base Isolated Structures. Proceedings of the American Control Conference, 2007, , .	0.0	0
198	Concurrent and Simple Controller for AC/DC Power Converters - Theoretical Design and Experimental Evaluation. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
199	Parametric Identification of Nonlinear Hysteretic systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5005-5010.	0.4	0
200	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
201	A design procedure for overlapped guaranteed cost controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8701-8706.	0.4	0
202	Teaching Control of Irrigation Canals for non system engineering audiences. , 2009, , .		0
203	A Mathematical Framework for Structural Control Integration. Advances in Science and Technology, 0, , .	0.2	0
204	Hybrid RNC-isolation of structures under near-fault earthquakes. , 2012, , .		0
205	Adaptive predictive control of a base-isolated hysteretic system. , 2017, , .		0
206	An On-Line Statistic Algorithm to Fault Detection in Controlled Systems: A Study Case. , 2018, , .		0
207	Seismic protection of the ASCE updated cable-stayed bridge benchmark with RNC passive devices. Bridge Maintenance, Safety and Management, 2012, , 2302-2309.	0.1	0
208	Computer Predictive Control of Bridges Under Moving Loads. , 1988, , 1350-1351.		0
209	Experimental Study on Control of Building Structures by Active Cables. , 1989, , 89-97.		0
210	Active Control: Concepts and Strategies. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1994, , 275-318.	0.3	0
211	Control Theory Sources in Active Control of Civil Engineering Structures. , 1999, , 285-294.		0
212	Decentralized Sliding Mode Control of a Two-Cable-Stayed Bridge. , 1999, , 183-192.		0
213	Closure: The Strength of the Concepts. Advances in Industrial Control, 2015, , 367-375.	0.4	0
214	Extended Strategy of Predictive Control. Advances in Industrial Control, 2015, , 83-110.	0.4	0
215	Introduction to Optimized Adaptive Controllers and Systems. Advances in Industrial Control, 2015, , 3-35.	0.4	0
216	Validation of Damage Identification Using Non-Linear Data-Driven Modelling. , 2015, , 992-1004.		0

#	ARTICLE	IF	CITATIONS
217	Methodologies of Damage Identification Using Non-Linear Data-Driven Modelling. , 2015, , 978-991.		0
218	New Features for Damage Detection and Their Temperature Stability. Advances in Civil and Industrial Engineering Book Series, 2015, , 12-47.	0.2	0
219	New Features for Damage Detection and Their Temperature Stability. , 2020, , 659-696.		0
220	Quantitative features to assist in the diagnostic assessment of chronic lymphocytic leukemia progression â€. Journal of Pathology, 2021, , .	2.1	0