Asier Ibeas

List of Publications by Year
in descending order

215 papers	2,119 citations	218592 26 h-index	330025 37 g-index
216 all docs	216 docs citations	216 times ranked	1441 citing authors

#	Article	IF	Citations
1	Processor in the Loop Verification of Fault Tolerant Control for a Three Phase Inverter in Grid Connected PV System. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 3760-3776.	1.2	8
2	Optimal Control Design of Impulsive SQEIAR Epidemic Models with Application to COVID-19. Studies in Systems, Decision and Control, 2022, , 479-519.	0.8	1
3	State feedback H $_\infty$ control for a class of affine nonlinear singular systems: Input restricting approach. IET Control Theory and Applications, 2022, 16, 166-181.	1.2	1
4	On the Supervision of a Saturated SIR Epidemic Model with Four Joint Control Actions for a Drastic Reduction in the Infection and the Susceptibility through Time. International Journal of Environmental Research and Public Health, 2022, 19, 1512.	1.2	2
5	Colombian Caribbean Bathymetry for an OTEC System Location. Journal of Marine Science and Engineering, 2022, 10, 519.	1.2	2
6	Hierarchical Optimization-Based Model Predictive Control for a Class of Discrete Fuzzy Large-Scale Systems Considering Time-Varying Delays and Disturbances. International Journal of Fuzzy Systems, 2022, 24, 2107-2130.	2.3	3
7	Current model predictive fault-tolerant control for grid-connected photovoltaic system. AIMS Energy, 2022, 10, 273-291.	1.1	2
8	Economic Viability Analysis for an OTEC Power Plant at San Andrés Island. Journal of Marine Science and Engineering, 2022, 10, 713.	1.2	3
9	On Some Properties of a Class of Eventually Locally Mixed Cyclic/Acyclic Multivalued Self-Mappings with Application Examples. Mathematics, 2022, 10, 2415.	1.1	0
10	Optimal averaging time for improving observer accuracy of stochastic dynamical systems. ISA Transactions, 2021, 108, 207-219.	3.1	0
11	On the Carrying and Evolution Matrices in Epidemic Models. Journal of Physics: Conference Series, 2021, 1746, 012015.	0.3	1
12	On an SE(Is)(Ih)AR epidemic model with combined vaccination and antiviral controls for COVID-19 pandemic. Advances in Difference Equations, 2021, 2021, 92.	3.5	23
13	About Partial Reachability Issues in an SEIR Epidemic Model and Related Infectious Disease Tracking in Finite Time under Vaccination and Treatment Controls. Discrete Dynamics in Nature and Society, 2021, 2021, 1-21.	0.5	4
14	Ocean Thermal Energy Conversion and Other Uses of Deep Sea Water: A Review. Journal of Marine Science and Engineering, 2021, 9, 356.	1.2	27
15	Neural network controller design for fractional-order systems with input nonlinearities and asymmetric time-varying Pseudo-state constraints. Chaos, Solitons and Fractals, 2021, 144, 110742.	2.5	35
16	On a Discrete SEIR Epidemic Model with Exposed Infectivity, Feedback Vaccination and Partial Delayed Re-Susceptibility. Mathematics, 2021, 9, 520.	1.1	9
17	On a Discrete SEIR Epidemic Model with Two-Doses Delayed Feedback Vaccination Control on the Susceptible. Vaccines, 2021, 9, 398.	2.1	13
18	On a new SEIRDE$_o$I$_o$ epidemic model eventually initiated from outside with delayed re-susceptibility and vaccination and treatment feedback controls. Physica Scripta, 2021, 96, 095002.	1.2	5

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19	On the Properties of a Class of Impulsive Competition Beverton–Holt Equations. Applied Sciences (Switzerland), 2021, 11, 9020.	1.3	2
20	On the Reachability of a Feedback Controlled Leontief-Type Singular Model Involving Scheduled Production, Recycling and Non-Renewable Resources. Mathematics, 2021, 9, 2175.	1.1	1
21	On the Estimation of Some Relevant Parameters in the COVID-19 Pandemic. Journal of Physics: Conference Series, 2021, 1730, 012107.	0.3	0
22	Optimal Allocation of Vaccine and Antiviral Drugs for Influenza Containment over Delayed Multiscale Epidemic Model considering Time-Dependent Transmission Rate. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-27.	0.7	4
23	On Confinement and Quarantine Concerns on an SEIAR Epidemic Model with Simulated Parameterizations for the COVID-19 Pandemic. Symmetry, 2020, 12, 1646.	1.1	23
24	Observer-Based Impulsive Controller Design for Treatment of Hepatitis C Disease. Industrial & Engineering Chemistry Research, 2020, 59, 19370-19382.	1.8	4
25	Supervision of the Infection in an SI (SI-RC) Epidemic Model by Using a Test Loss Function to Update the Vaccination and Treatment Controls. Applied Sciences (Switzerland), 2020, 10, 7183.	1.3	1
26	On a Controlled Se(Is)(Ih)(Iicu)AR Epidemic Model with Output Controllability Issues to Satisfy Hospital Constraints on Hospitalized Patients. Algorithms, 2020, 13, 322.	1.2	4
27	On an Sir Epidemic Model for the COVID-19 Pandemic and the Logistic Equation. Discrete Dynamics in Nature and Society, 2020, 2020, 1-17.	0.5	9
28	A computationally efficient robust voltage control for a single phase dual active bridge. Energy Reports, 2020, 6, 3346-3356.	2.5	11
29	On the Use of Entropy Issues to Evaluate and Control the Transients in Some Epidemic Models. Entropy, 2020, 22, 534.	1.1	9
30	A closed loop robust control system for electrosurgical generators. , 2020, , 149-168.		5
31	On the Entropy of Events under Eventually Global Inflated or Deflated Probability Constraints. Application to the Supervision of Epidemic Models under Vaccination Controls. Entropy, 2020, 22, 284.	1.1	4
32	Optimal Control Design of Impulsive SQEIAR Epidemic Models with Application to COVID-19. Chaos, Solitons and Fractals, 2020, 139, 110054.	2.5	70
33	MPPT of a Photovoltaic Panels Array with Partial Shading Using the IPSM with Implementation Both in Simulation as in Hardware. Energies, 2020, 13, 815.	1.6	8
34	Chattering–free robust finite–time output feedback control scheme for a class of uncertain non–linear systems. IET Control Theory and Applications, 2020, 14, 3168-3178.	1.2	12
35	Artificial Neural Network Based Adaptive Control of Single Phase Dual Active Bridge With Finite Time Disturbance Compensation. IEEE Access, 2019, 7, 112229-112239.	2.6	20
36	Some Formal Results on Positivity, Stability, and Endemic Steady-State Attainability Based on Linear Algebraic Tools for a Class of Epidemic Models with Eventual Incommensurate Delays. Discrete Dynamics in Nature and Society, 2019, 2019, 1-22.	0.5	13

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37	Discrete-time sliding mode control of heart rate during treadmill exercise. , 2019, , .		0
38	Joint Parameter-State Estimation-Based Control of Heart Rate During Treadmill Exercise. , 2019, , .		1
39	Observer-based adaptive PI sliding mode control of developed uncertain SEIAR influenza epidemic model considering dynamic population. Journal of Theoretical Biology, 2019, 482, 109984.	0.8	23
40	Parametrical Non-Complex Tests to Evaluate Partial Decentralized Linear-Output Feedback Control Stabilization Conditions from Their Centralized Stabilization Counterparts. Applied Sciences (Switzerland), 2019, 9, 1739.	1.3	6
41	On an SEIADR epidemic model with vaccination, treatment and dead-infectious corpses removal controls. Mathematics and Computers in Simulation, 2019, 163, 47-79.	2.4	18
42	On a SIR Model in a Patchy Environment Under Constant and Feedback Decentralized Controls with Asymmetric Parameterizations. Symmetry, 2019, 11, 430.	1.1	21
43	Neuro-adaptive tracking control of non-integer order systems with input nonlinearities and time-varying output constraints. Information Sciences, 2019, 485, 170-199.	4.0	41
44	On an SIR epidemic model with vaccination in a patchy environment. , 2019, , .		0
45	About two compared SEIADR and SEIR discrete epidemic models. , 2019, , .		2
46	Stage-Dependent Structured Discrete-Time Models for Mosquito Population Evolution with Survivability: Solution Properties, Equilibrium Points, Oscillations, and Population Feedback Controls. Mathematics, 2019, 7, 1181.	1.1	1
47	A Comparison Between SEIADR versus SEIR Discrete Epidemic Models *. , 2019, , .		0
48	On a New Discrete SEIADR Model with Mixed Controls: Study of Its Properties. Mathematics, 2019, 7, 18.	1.1	17
49	Robust Control of Grid-Tied Parallel Inverters Using Nonlinear Backstepping Approach. IEEE Access, 2019, 7, 111982-111992.	2.6	23
50	A Strategy for Minimum Time Equilibrium Targetting in Epidemic Diseases. Advances in Intelligent Systems and Computing, 2019, , 376-382.	0.5	0
51	New Results on Positive Realness in the Presence of Delayed Dynamics. Engineering Journal, 2019, 23, 75-94.	0.5	2
52	Control deslizante fraccionario de la trayectoria y orientaciÃ³n de un quadrotor con cargas suspendidas desconocidas. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 321.	0.6	5
53	Existence of common fixed points for linear combinations of contractive maps in enhanced probabilistic metric spaces. Nonlinear Analysis: Modelling and Control, 2019, 24, .	1.1	0
54	Quantized Adaptive Decentralized Control for a Class of Interconnected Nonlinear Systems With Hysteretic Actuators Faults. IEEE Access, 2018, 6, 6572-6584.	2.6	9

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55	On singular hybrid switched and impulsive systems. International Journal of Robust and Nonlinear Control, 2018, 28, 437-465.	2.1	34
56	On the Positive Realness of Delayed Systems. , 2018, , .		1
57	Parameter Estimation of Multi-Staged SI(n)RS Epidemic Models. , 2018, , .		1
58	Supervised Multi-Control Strategies for an SEIADR Epidemic Model. , 2018, , .		0
59	On minimum time equilibrium targeting in epidemic diseases. , 2018, , .		0
60	A switched multicontroller for an SEIADR epidemic model with monitored equilibrium points and supervised transients and vaccination costs. Advances in Difference Equations, 2018, 2018, .	3.5	9
61	Adaptive neural output-feedback control for nonstrict-feedback time-delay fractional-order systems with output constraints and actuator nonlinearities. Neural Networks, 2018, 105, 256-276.	3.3	58
62	A Supervised Multi-control for Monitoring the Antiviral Treatment Strategy for an SEIADR Epidemic Model. , 2018, , .		3
63	Observer-based adaptive neural network control for a class of MIMO uncertain nonlinear time-delay non-integer-order systems with asymmetric actuator saturation. Neural Computing and Applications, 2017, 28, 993-1010.	3.2	32
64	On the discretization and control of an SEIR epidemic model with a periodic impulsive vaccination. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 247-274.	1.7	22
65	Vaccination controllers for SEIR epidemic models based on fractional order dynamics. Biomedical Signal Processing and Control, 2017, 38, 136-142.	3.5	13
66	Improving the Hardware Complexity by Exploiting the Reduced Dynamics-Based Fractional Order Systems. IEEE Access, 2017, 5, 7714-7723.	2.6	16
67	Adaptive Fractional Order Terminal Sliding Mode Control of a Doubly Fed Induction Generator-Based Wind Energy System. IEEE Access, 2017, 5, 21368-21381.	2.6	60
68	Discretization and control of an SEIR epidemic model under equilibrium Wiener noise disturbances. AIP Conference Proceedings, 2017, , .	0.3	2
69	Neural adaptive quantized output-feedback control-based synchronization of uncertain time-delay incommensurate fractional-order chaotic systems with input nonlinearities. Neurocomputing, 2017, 237, 200-225.	3.5	52
70	A culling switching parallel scheme for an SEIADR epidemic model. , 2017, , .		0
71	Maximum Power Point Tracking of Photovoltaic Panels by Using Improved Pattern Search Methods. Energies, 2017, 10, 1316.	1.6	38
72	On a New Epidemic Model with Asymptomatic and Dead-Infective Subpopulations with Feedback Controls Useful for Ebola Disease. Discrete Dynamics in Nature and Society, 2017, 2017, 1-22.	0.5	32

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73	Output-Feedback Controller Based Projective Lag-Synchronization of Uncertain Chaotic Systems in the Presence of Input Nonlinearities. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	2
74	On a new model for Ebola disease. , 2016, , .		1
75	Particle Swarm Optimization modelling of the heart rate response in treadmill exercise. , 2016, , .		3
76	Discrete-time observer-based state feedback control of heart rate during treadmill exercise. , 2016, , .		9
77	Model predictive control of cash balance in a cash concentration and disbursements system. Journal of the Franklin Institute, 2016, 353, 4885-4923.	1.9	12
78	Model predictive control for a revenue account of a cash concentration and disbursements system. , 2016, , .		0
79	P-PI and super twisting sliding mode control schemes comparison for high-precision CNC machining. , 2016, , .		8
80	Robust discrete-time linear control of heart rate during treadmill exercise. , 2016, , .		5
81	On fixed points and convergence results of sequences generated by uniformly convergent and point-wisely convergent sequences of operators in Menger probabilistic metric spaces. SpringerPlus, 2016, 5, 557.	1.2	0
82	Partial stability-based vaccination control of SEIR epidemic models. , 2015, , .		0
83	A Data Dropout Compensation Algorithm Based on the Iterative Learning Control Methodology for Discrete-Time Systems. Mathematical Problems in Engineering, 2015, 2015, 1-16.	0.6	2
84	On the Stability and Equilibrium Points of Multistaged $S I (n)$ ... Nature and Society, 2015, 2015, 1-15.	0.5	13
85	On Some Boundedness and Convergence Properties of a Class of Switching Maps in Probabilistic Metric Spaces with Applications to Switched Dynamic Systems. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	0
86	On the stability of a delayed SEIR epidemic model with feedback vaccination controls. , 2015, , .		2
87	Variation in morphological traits among Thymus mastichina (L.) L. populations. Genetic Resources and Crop Evolution, 2015, 62, 1257-1267.	0.8	9
88	Stability analysis and observer design for discrete-time SEIR epidemic models. Advances in Difference Equations, 2015, 2015, .	3.5	24
89	Generalized Pattern Search Methods for control of stable, unstable and integrating systems with unknown delay under step input. Mathematics and Computers in Simulation, 2015, 115, 37-48.	2.4	4
90	On the global stability of an iterative scheme in a probabilistic Menger space. Journal of Inequalities and Applications, 2015, 2015, .	0.5	4

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91	On the stability of an SEIR epidemic model with distributed time-delay and a general class of feedback vaccination rules. Applied Mathematics and Computation, 2015, 270, 953-976.	1.4	51
92	On the asymptotic hyperstability of switched systems under integral-type feedback regulation Popovian constraints. IMA Journal of Mathematical Control and Information, 2015, 32, 359-386.	1.1	13
93	Neural network identification of wastewater treatment plants. , 2015, , .		0
94	A simulation model for a Cash Concentration and Disbursements System. , 2015, , .		2
95	Switched nonlinear singular systems with time€delay: Stability analysis. International Journal of Robust and Nonlinear Control, 2015, 25, 1497-1513.	2.1	44
96	Superstability of linear switched systems. International Journal of Systems Science, 2014, 45, 2402-2410.	3.7	4
97	Approximate Solutions by Truncated Taylor Series Expansions of Nonlinear Differential Equations and Related Shadowing Property with Applications. Abstract and Applied Analysis, 2014, 2014, 1-17.	0.3	1
98	Properties of convergence of a class of iterative processes generated by sequences of self-mappings with applications to switched dynamic systems. Journal of Inequalities and Applications, 2014, 2014, .	0.5	6
99	Some Properties of Distances and Best Proximity Points of Cyclic Proximal Contractions in Metric Spaces. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	0
100	Robust Sliding Control of SEIR Epidemic Models. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	23
101	Convergence Properties and Fixed Points of Two General Iterative Schemes with Composed Maps in Banach Spaces with Applications to Guaranteed Global Stability. Abstract and Applied Analysis, 2014, 2014, 1-13.	0.3	0
102	Observer design for SEIR discrete-time epidemic models. , 2014, , .		8
103	Adaptive control of SEIR discrete-time epidemic models. , 2014, , .		3
104	Switched impulsive control of the endocrine disruptor diethylstilbestrol singular model. AIP Conference Proceedings, 2014, , .	0.3	6
105	Event-based generation of approximate solutions of nonlinear differential equations. , 2014, , .		0
106	A nonlinear SEIR epidemic model with feedback vaccination control. , 2014, , .		1
107	Stability analysis of hybrid switched nonlinear singular time-delay systems with stable and unstable subsystems. International Journal of Systems Science, 2014, 45, 1128-1144.	3.7	46
108	Identification of quantitative trait loci involved in the response of common bean to Pseudomonas syringae pv. phaseolicola. Molecular Breeding, 2014, 33, 577-588.	1.0	14

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109	Results on proximal and generalized weak proximal contractions including the case of iteration-dependent range sets. Fixed Point Theory and Applications, 2014, 2014, .	1.1	7
110	A data dropout compensation system based on iterative learning control techniques. , 2014, , .		0
111	On a generalized SVEIR epidemic model under regular and adaptive impulsive vaccination. Nonlinear Analysis: Modelling and Control, 2014, 19, 83-108.	1.1	7
112	Identification and control of integrative MIMO systems using pattern search algorithms: An application to irrigation channels. Engineering Applications of Artificial Intelligence, 2013, 26, 334-346.	4.3	15
113	A Vaccination Strategy Based on a State Feedback Control Law for Linearizing SEIR Epidemic Models. Communications in Computer and Information Science, 2013, , 195-209.	0.4	0
114	Asymptotically non-expansive self-maps and global stability with ultimate boundedness of dynamic systems. Applied Mathematics and Computation, 2013, 219, 10655-10667.	1.4	5
115	A switched control strategy for inventory control of the supply chain. Journal of Process Control, 2013, 23, 868-880.	1.7	8
116	Hyperstability analysis of switched systems subject to integral popovian constraints. , 2013, , .		0
117	Identification and control of delayed SISO systems through pattern search methods. Journal of the Franklin Institute, 2013, 350, 3128-3148.	1.9	9
118	A time-varying SIS epidemic model with incidence rate depending on the susceptible and infective populations with eventual impulsive effects. Applied Mathematics and Computation, 2013, 219, 5516-5536.	1.4	5
119	Fixed points and best proximity points in contractive cyclic self-maps satisfying constraints in closed integral form with some applications. Applied Mathematics and Computation, 2013, 219, 5410-5426.	1.4	1
120	Inventory control of supply chains: Mitigating the bullwhip effect by centralized and decentralized Internal Model Control approaches. European Journal of Operational Research, 2013, 224, 261-272.	3.5	38
121	Exponential stability of hybrid switched nonlinear singular systems with time-varying delay. Journal of the Franklin Institute, 2013, 350, 171-193.	1.9	62
122	Identification and control of delayed unstable and integrative LTI MIMO systems using pattern search methods. Advances in Difference Equations, 2013, 2013, .	3.5	3
123	A SIS epidemic model with impulsive vaccination. , 2013, , .		0
124	About the power transfer in linear time-varying circuits. , 2013, , .		0
125	Asymptotic Hyperstability of a Class of Linear Systems under Impulsive Controls Subject to an Integral Popovian Constraint. Abstract and Applied Analysis, 2013, 2013, 1-14.	0.3	2
126	On Controllability and Output-Controllability of a Class of Remote Learning Discrete Control Systems with Data Dropout Compensation. Applied Mechanics and Materials, 2013, 391, 424-432.	0.2	0

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127	Sliding mode robust control of SEIR epidemic models. , 2013, , .		11
128	Periodic equilibrium states in a SEIR mathematical model of an infectious non-lethal disease. , 2013, , .		1
129	Best proximity and fixed point results for cyclic multivalued mappings under a generalized contractive condition. Fixed Point Theory and Applications, 2013, 2013, .	1.1	6
130	A vaccination strategy based on linearization control techniques for fighting against epidemic diseases propagation. Advances in Difference Equations, 2013, 2013, .	3.5	6
131	Partial stability of controlled SEIR epidemic models. , 2013, , .		0
132	On Asymptotically Non-Expansive Self-Maps in Metric Spaces and Related Stability of Dynamic Systems. Advanced Materials Research, 2012, 588-589, 2140-2150.	0.3	0
133	Stability and Limit Oscillations of a Control Event-Based Sampling Criterion. Journal of Applied Mathematics, 2012, 2012, 1-25.	0.4	4
134	About feedback vaccination rules for a true-mass action-type SEIR epidemic model. , 2012, , .		0
135	Centralized inventory control approach for supply chain systems. , 2012, , .		0
136	About feedback vaccination rules for a true-mass action-type SEIR epidemic model. , 2012, , .		0
137	Lead-time identification for inventory control of the supply chain. , 2012, , .		2
138	An observer-based vaccination control law for an SEIR epidemic model based on feedback linearization techniques for nonlinear systems. Advances in Difference Equations, 2012, 2012, .	3.5	27
139	Delay identification and control of irrigation channels using Pattern Search algorithms. , 2012, , .		0
140	On vaccination controls for the SEIR epidemic model. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2637-2658.	1.7	57
141	On-line delay estimation for stable, unstable and integrating systems under step response. ISA Transactions, 2012, 51, 351-361.	3.1	15
142	Inventory control for the supply chain: An adaptive control approach based on the identification of the lead-time. Omega, 2012, 40, 314-327.	3.6	44
143	On the Existence of Equilibrium Points, Boundedness, Oscillating Behavior and Positivity of a SVEIRS Epidemic Model under Constant and Impulsive Vaccination. Advances in Difference Equations, 2011, 2011, 1-32.	3.5	39
144	Analytic Comparison of Some Epidemic Models with Vaccination. Physics Procedia, 2011, 22, 20-39.	1.2	2

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145	Multimodel-based techniques for the identification and adaptive control of delayed multi-input multi-output systems. IET Control Theory and Applications, 2011, 5, 188.	1.2	16
146	On the equilibrium points, boundedness and positivity of a SVEIRS epidemic model under constant regular vaccination. , 2011, , .		1
147	Observer-Based Vaccination Strategy for a True Mass Action SEIR Epidemic Model with Potential Estimation of All the Populations. Discrete Dynamics in Nature and Society, 2011, 2011, 1-19.	0.5	7
148	On the Equilibrium Points, Boundedness and Positivity of a Sveirs Epidemic Model under Constant Regular Constrained Vaccination. Informatica, 2011, 22, 339-370.	1.5	12
149	Feedback linearization-based vaccination control strategies for true-mass action type SEIR epidemic models. Nonlinear Analysis: Modelling and Control, 2011, 16, 283-314.	1.1	27
150	On Vaccination Controls for the SEIR Epidemic Model. , 2011, , .		1
151	On a Generalized Time-Varying SEIR Epidemic Model with Mixed Point and Distributed Time-Varying Delays and Combined Regular and Impulsive Vaccination Controls. Advances in Difference Equations, 2010, 2010, 1-42.	3.5	37
152	Digital inverse model control using Generalised holds with extensions to the adaptive case. International Journal of Control, Automation and Systems, 2010, 8, 707-719.	1.6	4
153	Stable genetic adaptive controllers for multivariable systems using a two-degree-of-freedom topology. Engineering Applications of Artificial Intelligence, 2010, 23, 41-47.	4.3	2
154	Stability of switched linear discrete-time descriptor systems with explicit calculation of a common quadratic Lyapunov sequence. , 2010, , .		2
155	Multimodel-based techniques for the identification of the delay in MIMO systems. , 2010, , .		3
156	About hyperstability and related properties of linear switched systems. , 2010, , .		0
157	A CAD Tool for low-order controller design. , 2010, , .		0
158	Identification and adaptive control of delayed unstable systems. , 2010, , .		4
159	Basics on stabilization of discrete switched systems. , 2010, , .		0
160	On a Generalized Time-Varying SEIR Epidemic Model with Mixed Point and Distributed Time-Varying Delays and Combined Regular and Impulsive Vaccination Controls. Advances in Difference Equations, 2010, 2010, 281612.	3.5	34
161	Controller parameters dependence on model information through dimensional analysis. , 2009, , .		7
162	Stability analysis for the intermediate servo/regulation PID tuning. , 2009, , .		3

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163	Multi-Model Smith Predictor Based Control of Multivariable Systems with Uncertain Bounded External Delays. IEEE Latin America Transactions, 2009, 7, 42-53.	1.2	10
164	Stability Results of a Class of Hybrid Systems under Switched Continuous-Time and Discrete-Time Control. Discrete Dynamics in Nature and Society, 2009, 2009, 1-28.	0.5	11
165	Exponential stability of simultaneously triangularizable switched systems with explicit calculation of a common Lyapunov function. Applied Mathematics Letters, 2009, 22, 1549-1555.	1.5	44
166	Model reduction approach for digital PID control based on generalized holds. , 2009, , .		1
167	Observerâˆ’Controller Design for a Class of Stable/Unstable Inverse Response Processes. Industrial & Engineering Chemistry Research, 2009, 48, 10986-10993.	1.8	4
168	General Smith Predictors from an Observer-Controller perspective. , 2009, , .		5
169	Adaptive discrete-time inverse model control using generalized holds. , 2009, , .		0
170	Smith Predictor based intelligent control of multiple-input-multiple-output systems with unknown delays. , 2008, , .		3
171	On-Line Model Selection Techniques By Using Multiple Models And Supervision Algorithms. , 2008, , .		1
172	On the Global Asymptotic Stability of Switched Linear Time-Varying Systems with Constant Point Delays. Discrete Dynamics in Nature and Society, 2008, 2008, 1-31.	0.5	28
173	A 2DOF H_∞ robust tracking design for a special type of observed state feedback controllers. , 2008, , .		6
174	Control configuration for inverse response processes. , 2008, , .		5
175	Stability Results for Switched Linear Systems with Constant Discrete Delays. Mathematical Problems in Engineering, 2008, 2008, 1-28.	0.6	28
176	A Semiempirical Reduced-Order Identification Modeling Tool for Partially Unknown Discrete-Time Plants by using a Multi-Estimation Scheme. Instrumentation Science and Technology, 2007, 35, 419-436.	0.9	1
177	Multiple-Delay Smith Predictor Based Control of LTI Systems with Bounded Uncertain Delay. , 2007, , .		5
178	On the advantage of using explicit plant model information in the 2-DOF controller reference processing components. , 2007, , .		0
179	On the stability properties of linear dynamic time-varying unforced systems involving switches between parameterizations from topologic considerations via graph theory. Discrete Applied Mathematics, 2007, 155, 7-25.	0.5	19
180	A stable multimodel scheme control for the regulation of the transient behavior of a tunnel-diode trigger circuit. ISA Transactions, 2007, 46, 313-326.	3.1	11

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181	Robust Sliding Control of Robotic Manipulators Based on a Heuristic Modification of the Sliding Gain. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 485-511.	2.0	14
182	Discrete-time Model Reference Control of Milling Forces under Fractional Order Holds. Part I: Known Plant. , 2006, , .		0
183	ARTIFICIAL INTELLIGENCE AND GRAPH THEORY TOOLS FOR DESCRIBING SWITCHED LINEAR CONTROL SYSTEMS. Applied Artificial Intelligence, 2006, 20, 703-741.	2.0	10
184	Robustly Stable Adaptive Control of a Tandem of Master–Slave Robotic Manipulators With Force Reflection by Using a Multiestimation Scheme. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 1162-1179.	5.5	44
185	A multimodel scheme control for a tunnel-diode trigger circuit. , 2006, , .		0
186	A multimodel scheme control for a tunnel-diode trigger circuit - extension to the use of butterworth and Chebyshev filters. , 2006, , .		1
187	A Robustly Stable Multiestimation-Based Adaptive Control Scheme for Robotic Manipulators. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2006, 128, 414-421.	0.9	13
188	A multiestimation-based scheme for modelling single-input–single-output discrete adaptive control systems. Applied Mathematical Modelling, 2006, 30, 765-798.	2.2	4
189	Validation and improvement of Models in the Frequency Domain. , 2006, , .		1
190	Multiestimation based discrete adaptive control of LTI continuous plants with unknown bounded external time delays. , 2006, , .		0
191	Adaptive control for stabilizing possibly inversely unstable continuous-time plants by using multirate input and fractional-order holds. , 2006, , .		3
192	A Tunnel-diode Trigger Circuit Using a Regulation Multimodel Scheme. , 2006, , .		7
193	Discrete-Time Model Reference Control of Milling Forces under Fractional Order Holds. Part II: Extensions to Adaptive Control. , 2006, , .		2
194	Adaptive Multimodel Estimation for Synthesis of a Robust Stabilizer Under Imperfect Knowledge of the Plant Delay. , 2006, , .		0
195	A robust multiestimation based stable adaptive control scheme for a tandem of master-slave robotic manipulators with force reflection. , 2006, , .		0
196	A multimodel scheme control for a tunnel-diode trigger circuit - Extension to the use of Butterworth and Chebyshev filters. , 2006, , .		0
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