

Joao P Hespanha

List of Publications by Year in descending order

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260
papers

22,131
citations

38742

50
h-index

12946

131
g-index

268
all docs

268
docs citations

268
times ranked

11205
citing authors

#	ARTICLE	IF	CITATIONS
1	Limbic System-Inspired Performance-Guaranteed Control for Nonlinear Multi-Agent Systems With Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4196-4207.	11.3	4
2	Stochastic Programming Using Expected Value Bounds. IEEE Transactions on Automatic Control, 2023, 68, 3241-3256.	5.7	1
3	The Impact of Measurement Passing in Sensor Network Measurement Selection. IEEE Transactions on Control of Network Systems, 2023, 10, 112-123.	3.7	0
4	Stochastic and Deterministic State-Dependent Social Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 911-926.	9.3	5
5	Fast Desynchronization Algorithms for Decentralized Medium Access Control Based on Iterative Linear Equation Solvers. IEEE Transactions on Automatic Control, 2022, 67, 6219-6226.	5.7	2
6	Trajectory tracking for a class of switched nonlinear systems: Application to PMSM. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101164.	3.5	5
7	Resilient Desynchronization for Decentralized Medium Access Control. , 2021, 5, 803-808.		9
8	A Robust Control Strategy With Perturbation Estimation for the Parrot Mambo Platform. IEEE Transactions on Control Systems Technology, 2021, 29, 1389-1404.	5.2	6
9	Networked Control Systems: Estimation and Control over Lossy Networks. , 2021, , 1430-1436.		0
10	Stochastic Description of Biochemical Networks. , 2021, , 2160-2164.		0
11	Vein-to-brain: Simultaneous, seconds-resolved measurements of intracranial and intravenous drug levels provide a highly time-resolved picture of drug transport. FASEB Journal, 2021, 35, .	0.5	1
12	Topological entropy of switched nonlinear systems. , 2021, , .		1
13	Topological entropy of switched linear systems: general matrices and matrices with commutation relations. Mathematics of Control, Signals, and Systems, 2020, 32, 411-453.	2.3	7
14	Broadcast and Gossip Stochastic Average Consensus Algorithms in Directed Topologies. IEEE Transactions on Control of Network Systems, 2019, 6, 474-486.	3.7	35
15	On topological entropy and stability of switched linear systems. , 2019, , .		8
16	Finite Horizon Maximum Likelihood Estimation for Integrated Navigation with RF Beacon Measurements. Asian Journal of Control, 2019, 21, 1470-1482.	3.0	3
17	Distributed output-feedback model predictive control for multi-agent consensus. Systems and Control Letters, 2019, 127, 52-59.	2.3	25
18	Robust event-triggered output feedback learning algorithm for voltage source inverters with unknown load and parameter variations. International Journal of Robust and Nonlinear Control, 2019, 29, 3502-3517.	3.7	9

#	ARTICLE	IF	CITATIONS
19	Sensitivity Analysis for Linear Systems based on Reachability Sets. , 2019, , .		3
20	A Robust State Estimator for Multi-Agent Systems Under Impulsive Noise and Missing Measurements. , 2019, , .		0
21	Desynchronization for Decentralized Medium Access Control based on Gauss-Seidel Iterations. , 2019, , .		9
22	A nonlinear switched control strategy for permanent magnet synchronous machines. , 2019, , .		3
23	Sensor-Reveal Games. , 2019, , .		2
24	Optimization-based Estimation of Expected Values with Application to Stochastic Programming. , 2019, , .		3
25	Output-feedback Linear Quadratic Robust Control under Actuation and Deception Attacks. , 2019, , .		7
26	The Impact of Information in Distributed Submodular Maximization. IEEE Transactions on Control of Network Systems, 2019, 6, 1334-1343.	3.7	16
27	Supervisory Control of Discrete-Event Systems Under Attacks. Dynamic Games and Applications, 2019, 9, 965-983.	1.9	50
28	SMT-Based Observer Design for Cyber-Physical Systems under Sensor Attacks. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-27.	2.5	50
29	Game-Theory-Based Consensus Learning of Double-Integrator Agents in the Presence of Worst-Case Adversaries. Journal of Optimization Theory and Applications, 2018, 177, 222-253.	1.5	7
30	Distributed Estimation of Power System Oscillation Modes Under Attacks on GPS Clocks. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1626-1637.	4.7	30
31	Self-Triggered and Event-Triggered Set-Valued Observers. Information Sciences, 2018, 426, 61-86.	6.9	15
32	Simultaneous model predictive control and moving horizon estimation for blood glucose regulation in Type 1 diabetes. Optimal Control Applications and Methods, 2018, 39, 904-918.	2.1	17
33	Cooperative Q-Learning for Rejection of Persistent Adversarial Inputs in Networked Linear Quadratic Systems. IEEE Transactions on Automatic Control, 2018, 63, 1018-1031.	5.7	31
34	On topological entropy of switched linear systems with pairwise commuting matrices. , 2018, , .		1
35	Strategic Information Sharing in Greedy Submodular Maximization. , 2018, , .		3
36	On the Information in Spike Timing: Neural Codes Derived from Polychronous Groups. , 2018, , .		2

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37	Robust estimator design for switched systems with unknown switching time: An LMI-based approach. European Journal of Control, 2018, 44, 58-64.	2.6	5
38	A PageRank Algorithm based on Asynchronous Gauss-Seidel Iterations. , 2018, , .		17
39	Stabilization of Networked Control Systems Under Clock Offsets and Quantization. IEEE Transactions on Automatic Control, 2018, 63, 1708-1723.	5.7	19
40	Modeling and Mitigating the Coremelt Attack. , 2018, , .		5
41	Stochastic and deterministic fault detection for randomized gossip algorithms. Automatica, 2017, 78, 46-60.	5.0	35
42	Simultaneous nonlinear model predictive control and state estimation. Automatica, 2017, 77, 143-154.	5.0	46
43	Stabilization of systems with asynchronous sensors and controllers. Automatica, 2017, 81, 314-321.	5.0	15
44	Set-based fault detection and isolation for detectable linear parameter-varying systems. International Journal of Robust and Nonlinear Control, 2017, 27, 4381-4397.	3.7	14
45	Linear quadratic control for sampled-data systems with stochastic delays. , 2017, , .		2
46	Fault detection for LPV systems using Set-Valued Observers: A coprime factorization approach. Systems and Control Letters, 2017, 106, 32-39.	2.3	15
47	Online Optimal Operation of Parallel Voltage-Source Inverters Using Partial Information. IEEE Transactions on Industrial Electronics, 2017, 64, 4296-4305.	7.9	15
48	Control With Minimal Cost-Per-Symbol Encoding and Quasi-Optimality of Event-Based Encoders. IEEE Transactions on Automatic Control, 2017, 62, 2286-2301.	5.7	40
49	An Algebraic Geometry Approach to Compute Strategically Equivalent Bimatrix Games * *This work is partially supported by the U.S. Army Research Laboratory and the U.S. Office of Naval Research under MURI grant No. N00014-16-1-2710. IFAC-PapersOnLine, 2017, 50, 6116-6121.	0.9	2
50	Impact of information in greedy submodular maximization. , 2017, , .		11
51	Node localization based on distributed constrained optimization using Jacobi's method. , 2017, , .		4
52	Cyclops: PRU programming framework for precise timing applications. , 2017, , .		4
53	D-SLATS. , 2017, , .		8
54	Approximate optimal adaptive control for weakly coupled nonlinear systems: A neuro-inspired approach. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1494-1522.	4.1	3

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55	Robust stability under asynchronous sensing and control. , 2016, , .		0
56	Local carrier-based precision approach and landing system. , 2016, , .		3
57	Stochastic Optimal Coordination of Small UAVs for Target Tracking using Regression-based Dynamic Programming. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 135-162.	3.4	23
58	An H-infinity approach to stealth-resilient control design. , 2016, , .		4
59	Conditions for saddle-point equilibria in output-feedback MPC with MHE. , 2016, , .		4
60	L2-gain analysis of systems with clock offsets. , 2016, , .		4
61	SMT-Based Observer Design for Cyber-Physical Systems under Sensor Attacks. , 2016, , .		18
62	Asymptotically Stable Adaptiveâ€“Optimal Control Algorithm With Saturating Actuators and Relaxed Persistence of Excitation. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2386-2398.	11.3	127
63	One-class slab support vector machine. , 2016, , .		5
64	Stabilization of networked control systems with clock offsets. , 2015, , .		7
65	Image Themes and Frames in US Print News Stories about Climate Change. Environmental Communication, 2015, 9, 491-519.	2.5	62
66	Robust UAV coordination for target tracking using output-feedback model predictive control with moving horizon estimation. , 2015, , .		32
67	Self-Triggered Set-Valued Observers. , 2015, , .		5
68	Finite-time convergence policies in state-dependent social networks. , 2015, , .		3
69	Control under clock offsets and actuator saturation. , 2015, , .		9
70	Observability of linear systems under adversarial attacks. , 2015, , .		151
71	Quasi-optimality of event-based encoders. , 2015, , .		5
72	Stochastic hybrid systems: A modeling and stability theory tutorial. , 2015, , .		17

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73	Distributed Fault Detection Using Relative Information in Linear Multi-Agent Networks 87. The work from Daniel Silvestre was supported by the project FCT [UID/EEA/50009/2013] and with grant SFRH//BD/71206/2010, from Fundação para a Ciência e a Tecnologia. J. Hespanha was supported by the U.S. Army Research Laboratory and the U.S. Army Research Office under grants No. W911NF-09-1-0553 and W911NF-09-D-0001. C. Silvestre was supported by project MYRG117(Y1-L3)-FST12-MKM of the University of Macau. IFAC-PapersOnLine, 2015, 48, 446-451.	0.9	7
74	State Estimation of Multiagent Systems Under Impulsive Noise and Disturbances. IEEE Transactions on Control Systems Technology, 2015, 23, 13-26.	5.2	35
75	Synchronization of Identical Oscillators Coupled Through a Symmetric Network With Dynamics: A Constructive Approach With Applications to Parallel Operation of Inverters. IEEE Transactions on Automatic Control, 2015, 60, 3226-3241.	5.7	48
76	Autonomy and machine intelligence in complex systems: A tutorial. , 2015, , .		29
77	Real-time control under clock offsets between sensors and controllers. , 2015, , .		7
78	Real-time pricing and distributed decision makings leading to optimal power flow of power grids. , 2015, , .		8
79	Stochastic Networked Control Systems with Dynamic Protocols. Asian Journal of Control, 2015, 17, 99-110.	3.0	26
80	Belief propagation based localization and mapping using sparsely sampled GNSS SNR measurements. , 2014, , .		11
81	Detection in Adversarial Environments. IEEE Transactions on Automatic Control, 2014, 59, 3209-3223.	5.7	83
82	Nonlinear output-feedback model predictive control with moving horizon estimation. , 2014, , .		42
83	Probabilistic 3D mapping based on GNSS SNR measurements. , 2014, , .		7
84	Modeling and analysis of networked control systems using stochastic hybrid systems. Annual Reviews in Control, 2014, 38, 155-170.	7.9	63
85	Output regulation for non-square linear multi-rate systems. International Journal of Robust and Nonlinear Control, 2014, 24, 968-990.	3.7	8
86	Online optimal switching of single phase DC/AC inverters using partial information. , 2014, , .		6
87	Finite-time average consensus in a Byzantine environment using Set-Valued Observers. , 2014, , .		14
88	Real-time pricing leading to optimal operation under distributed decision makings. , 2014, , .		27
89	Equilibrium distributions of simple biochemical reaction systems for time-scale separation in stochastic reaction networks. Journal of the Royal Society Interface, 2014, 11, 20140054.	3.4	41
90	Quadrotor control for RF source localization and tracking. , 2014, , .		29

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91	Bayesian localization and mapping using GNSS SNR measurements. , 2014, , .		23
92	Quadratic control of stochastic hybrid systems with renewal transitions. Automatica, 2014, 50, 2822-2834.	5.0	8
93	A Converse Lyapunov Theorem and Robustness for Asymptotic Stability in Probability. IEEE Transactions on Automatic Control, 2014, 59, 2426-2441.	5.7	31
94	Networked Control Systems: Estimation and Control Over Lossy Networks. , 2014, , 1-9.		3
95	Vision-based target tracking with a small UAV: Optimization-based control strategies. Control Engineering Practice, 2014, 32, 28-42.	5.5	50
96	Resilient Detection in the Presence of Integrity Attacks. IEEE Transactions on Signal Processing, 2014, 62, 31-43.	5.3	49
97	GPS-optimal micro air vehicle navigation in degraded environments. , 2014, , .		15
98	Control with minimum communication cost per symbol. , 2014, , .		5
99	Stability of an adaptive switched controller for power system oscillation damping using remote synchrophasor signals. , 2014, , .		7
100	Stability of networked control systems with asynchronous renewal links: An impulsive systems approach. Automatica, 2013, 49, 402-413.	5.0	75
101	Learning consensus in adversarial environments. , 2013, , .		4
102	Randomized sampling for large zero-sum games. Automatica, 2013, 49, 1184-1194.	5.0	12
103	Localization with sparse acoustic sensor network using UAVs as information-seeking data mules. ACM Transactions on Sensor Networks, 2013, 9, 1-29.	3.6	20
104	RF source-seeking by a micro aerial vehicle using rotation-based angle of arrival estimates. , 2013, , .		29
105	Gossip average consensus in a Byzantine environment using stochastic Set-Valued Observers. , 2013, , .		16
106	Flocking with fixed-wing UAVs for distributed sensing: A stochastic optimal control approach. , 2013, , .		44
107	Towards modularity in biological networks while avoiding retroactivity. , 2013, , .		9
108	EVOLUTION OF TRANSCRIPTION NETWORKS IN RESPONSE TO TEMPORAL FLUCTUATIONS. Evolution; International Journal of Organic Evolution, 2013, 67, 1091-1104.	2.3	7

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109	Direct numerical solution of algebraic Lyapunov equations for large-scale systems using Quantized Tensor Trains. , 2013, , .		5
110	Dubins Traveling Salesman Problem with Neighborhoods: A Graph-Based Approach. Algorithms, 2013, 6, 84-99.	2.1	48
111	Multiple event localization in a sparse acoustic sensor network using UAVs as data mules. , 2012, , .		8
112	A spectral methods-based solution of the Chemical Master Equation for gene regulatory networks. , 2012, , .		3
113	On controller initialization in multivariable switching systems. Automatica, 2012, 48, 3157-3165.	5.0	32
114	Infinite horizon linear quadratic gene regulation in fluctuating environments. , 2012, , .		1
115	Locating binary features for keypoint recognition using noncooperative games. , 2012, , .		0
116	Jump Control of Probability Densities With Applications to Autonomous Vehicle Motion. IEEE Transactions on Automatic Control, 2012, 57, 2588-2598.	5.7	15
117	Redundant data transmission in control/estimation over lossy networks. Automatica, 2012, 48, 1612-1620.	5.0	52
118	Autonomous UAV persistent surveillance using bio-inspired strategies. , 2012, , .		6
119	Power supply synchronization without communication. , 2012, , .		35
120	Optimal Estimation on the Graph Cycle Space. IEEE Transactions on Signal Processing, 2011, 59, 2834-2846.	5.3	21
121	Following an RF trail to its source. , 2011, , .		17
122	Approximate Moment Dynamics for Chemically Reacting Systems. IEEE Transactions on Automatic Control, 2011, 56, 414-418.	5.7	189
123	Stochastic networked control systems with dynamic protocols. , 2011, , .		3
124	Hide-and-Seek with Directional Sensing*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9343-9348.	0.4	2
125	Model-free Adaptive Switching Control of Uncertain Time-Varying Plants. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1273-1278.	0.4	12
126	Stability Analysis of Robust Multiple Model Adaptive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 350-355.	0.4	23

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127	Cooperative Search by UAV Teams: A Model Predictive Approach using Dynamic Graphs. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 2637-2656.	4.7	59
128	Vision-based control for rigid body stabilization. Automatica, 2011, 47, 1020-1027.	5.0	13
129	Randomized solutions to partial information dynamic zero-sum games. , 2011, , .		5
130	Algorithms for the traveling Salesman Problem with Neighborhoods involving a dubins vehicle. , 2011, , .		42
131	Bio-inspired UAV routing, source localization, and acoustic signature classification for persistent surveillance. Proceedings of SPIE, 2011, , .	0.8	2
132	A Minimum Energy solution to Monocular Simultaneous Localization and Mapping. , 2011, , .		3
133	Implementation Considerations For Wireless Networked Control Systems. , 2011, , 1-27.		13
134	Heterogeneous sensor networks: a bio-inspired overlay architecture. , 2010, , .		0
135	Stochastic hybrid systems for studying biochemical processes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4995-5011.	3.4	111
136	Distributed Transmit Beamforming Using Feedback Control. IEEE Transactions on Information Theory, 2010, 56, 411-426.	2.4	205
137	Stability of delay impulsive systems with application to networked control systems. Transactions of the Institute of Measurement and Control, 2010, 32, 511-528.	1.7	102
138	Impulsive systems triggered by superposed renewal processes. , 2010, , .		7
139	Hybrid moment computation algorithm for biochemical reaction networks. , 2010, , .		5
140	ℒ<inf>2</inf>-induced gains of switched systems and classes of switching signals. , 2010, , .		16
141	Quadratic optimization for controller initialization in multivariable switching systems. , 2010, , .		8
142	Optimal estimation on the graph cycle space. , 2010, , .		4
143	Randomized sampling for large zero-sum games. , 2010, , .		6
144	A Reaction-Diffusion Model for Epidemic Routing in Sparsely Connected MANETs. , 2010, , .		26

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145	On UAV routing protocols for sparse sensor data exfiltration. , 2010, , .		11
146	Stochastic Hybrid Systems with renewal transitions. , 2010, , .		5
147	L_2 -induced gain analysis of switched linear systems via finitely parametrized storage functions. , 2010, , .		11
148	Construction of Lyapunov functions for piecewise-deterministic Markov processes. , 2010, , .		4
149	Optimal UAV coordination for target tracking using dynamic programming. , 2010, , .		59
150	Dynamic Vehicle Routing for Translating Demands: Stability Analysis and Receding-Horizon Policies. IEEE Transactions on Automatic Control, 2010, 55, 2554-2569.	5.7	28
151	A Constant Factor Approximation Algorithm for Event-Based Sampling. Lecture Notes in Control and Information Sciences, 2010, , 51-60.	1.0	34
152	Approximate Distributed Kalman Filtering for Cooperative Multi-agent Localization. Lecture Notes in Computer Science, 2010, , 102-115.	1.3	19
153	Analysis of distributed control systems with shared communication and computation resources. , 2009, , .		31
154	Redundant data transmission in control/estimation over wireless networks. , 2009, , .		12
155	Control of impulsive renewal systems: Application to direct design in networked control. , 2009, , .		15
156	Multi-controller design under uncontrolled and controlled switching. , 2009, , .		0
157	Mistuning-Based Control Design to Improve Closed-Loop Stability Margin of Vehicular Platoons. IEEE Transactions on Automatic Control, 2009, 54, 2100-2113.	5.7	215
158	Dynamic vehicle routing with moving demands - Part I: Low speed demands and high arrival rates. , 2009, , .		5
159	Optimal sensor placement for time difference of arrival localization. , 2009, , .		53
160	Unfalsified adaptive switching supervisory control of time varying systems. , 2009, , .		12
161	L_2 -induced gain analysis for a class of switched systems. , 2009, , .		15
162	Reducing noise through translational control in an auto-regulatory gene network. , 2009, , .		6

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163	Stability of impulsive systems driven by renewal processes. , 2009, , .		9
164	GeoTrack: bio-inspired global video tracking by networks of unmanned aircraft systems. Proceedings of SPIE, 2009, , .	0.8	0
165	Error Scaling Laws for Linear Optimal Estimation From Relative Measurements. IEEE Transactions on Information Theory, 2009, 55, 5661-5673.	2.4	37
166	Event-based minimum-time control of oscillatory neuron models. Biological Cybernetics, 2009, 101, 387-399.	1.3	54
167	Robust filtering for deterministic systems with implicit outputs. Systems and Control Letters, 2009, 58, 263-270.	2.3	16
168	A cooperative Homicidal Chauffeur game. Automatica, 2009, 45, 1771-1777.	5.0	172
169	Data Transmission Over Networks for Estimation and Control. IEEE Transactions on Automatic Control, 2009, 54, 1807-1819.	5.7	164
170	Dynamic vehicle routing with moving demands - Part II: High speed demands or low arrival rates. , 2009, , .		4
171	Optimal Feedback Strength for Noise Suppression in Autoregulatory Gene Networks. Biophysical Journal, 2009, 96, 4013-4023.	0.5	116
172	Metric Based Multi-Timescale Control for Reducing Power in Embedded Systems. , 2009, , .		0
173	Heterogeneous sensor networks: a bio-inspired overlay architecture. Proceedings of SPIE, 2009, , .	0.8	1
174	Lyapunov conditions for input-to-state stability of impulsive systems. Automatica, 2008, 44, 2735-2744.	5.0	485
175	Exponential stability of impulsive systems with application to uncertain sampled-data systems. Systems and Control Letters, 2008, 57, 378-385.	2.3	600
176	Output-feedback control for stabilization on. Systems and Control Letters, 2008, 57, 1013-1022.	2.3	31
177	Performance limitations in reference tracking and path following for nonlinear systems. Automatica, 2008, 44, 598-610.	5.0	163
178	Root-mean-square gains of switched linear systems: A variational approach. Automatica, 2008, 44, 2398-2402.	5.0	66
179	Estimation From Relative Measurements: Electrical Analogy and Large Graphs. IEEE Transactions on Signal Processing, 2008, 56, 2181-2193.	5.3	57
180	A pursuit game with range-only measurements. , 2008, , .		5

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181	Scaling of stochasticity in gene cascades. , 2008, , .		5
182	Moment closure for biochemical networks. , 2008, , .		44
183	Noise suppression in auto-regulatory gene networks. , 2008, , .		2
184	On Discrete-Time Pursuit-Evasion Games With Sensing Limitations. IEEE Transactions on Robotics, 2008, 24, 1429-1439.	10.3	82
185	Trackability filtering for underactuated systems. , 2008, , .		2
186	Switched control of an electropneumatic clutch actuator using on/off valves. , 2008, , .		30
187	Computationally efficient methods for digital control. , 2008, , .		0
188	Optimotaxis: A Stochastic Multi-agent Optimization Procedure with Point Measurements. Lecture Notes in Computer Science, 2008, , 358-371.	1.3	54
189	On the Effectiveness of Proactive Path-Diversity Based Routing for Robustness to Path Failures. Lecture Notes in Computer Science, 2008, , 574-585.	1.3	1
190	A cooperative homicidal chauffeur game. , 2007, , .		13
191	Cooperative Graph Search Using Fractal Decomposition. Proceedings of the American Control Conference, 2007, , .	0.0	4
192	Tracking control for snake robot joints. , 2007, , .		23
193	Optimal controller initialization for switching between stabilizing controllers. , 2007, , .		29
194	Cooperative pursuit with sensing limitations. Proceedings of the American Control Conference, 2007, , .	0.0	16
195	Sensing limitations in the Lion and Man problem. Proceedings of the American Control Conference, 2007, , .	0.0	11
196	Control of Large Vehicular Platoons: Improving Closed Loop Stability by Mistuning. Proceedings of the American Control Conference, 2007, , .	0.0	11
197	Cooperative graph-based model predictive search. , 2007, , .		20
198	On the effect of asymmetric communication on distributed time synchronization. , 2007, , .		7

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199	Vision-based control for rigid body stabilization. , 2007, , .		6
200	A Constant Factor Approximation Algorithm for Event-Based Sampling. Proceedings of the American Control Conference, 2007, , .	0.0	37
201	Effective resistance of Gromov-hyperbolic graphs: Application to asymptotic sensor network problems. , 2007, , .		12
202	Root-mean-square gains of switched linear systems: A variational approach. , 2007, , .		12
203	Estimation on graphs from relative measurements. IEEE Control Systems, 2007, 27, 57-74.	0.8	140
204	Stability of Delay Impulsive Systems with Application to Networked Control Systems. Proceedings of the American Control Conference, 2007, , .	0.0	46
205	Game Theoretic Stochastic Routing for Fault Tolerance and Security in Computer Networks. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 1227-1240.	5.6	43
206	Modeling Communication Networks With Hybrid Systems. IEEE/ACM Transactions on Networking, 2007, 15, 630-643.	3.8	32
207	Tracking control for networked control systems. , 2007, , .		21
208	Trajectory-Tracking and Path-Following of Underactuated Autonomous Vehicles With Parametric Modeling Uncertainty. IEEE Transactions on Automatic Control, 2007, 52, 1362-1379.	5.7	776
209	Supervisory control of nonlinear systems. , 2007, , .		0
210	Multi-model adaptive control of a simulated pH neutralization process. Control Engineering Practice, 2007, 15, 663-672.	5.5	91
211	Switched seesaw control for the stabilization of underactuated vehicles. Automatica, 2007, 43, 1997-2008.	5.0	43
212	A Derivative Matching Approach to Moment Closure for the Stochastic Logistic Model. Bulletin of Mathematical Biology, 2007, 69, 1909-1925.	1.9	67
213	Robust Adaptive Control: Where are we? Where should we go?. , 2007, , .		0
214	A new TCP for persistent packet reordering. IEEE/ACM Transactions on Networking, 2006, 14, 369-382.	3.8	64
215	Minimum-Energy State Estimation for Systems With Perspective Outputs. IEEE Transactions on Automatic Control, 2006, 51, 226-241.	5.7	58
216	Honey-pot constrained searching with local sensory information. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 1773-1793.	1.1	30

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217	On the robust stability and stabilization of sampled-data systems: A hybrid system approach. , 2006, , .		73
218	Output-feedback control for stabilization on SE(3). , 2006, , .		5
219	State Estimation of Continuous-Time Systems with Implicit Outputs from Discrete Noisy Time-Delayed Measurements. , 2006, , .		2
220	Lognormal Moment Closures for Biochemical Reactions. , 2006, , .		60
221	Coordinated path-following control of multiple underactuated autonomous vehicles in the presence of communication failures. , 2006, , .		72
222	Graph Effective Resistance and Distributed Control: Spectral Properties and Applications. , 2006, , .		121
223	Communication Logic Design and Analysis for Networked Control Systems. , 2006, , 495-514.		23
224	Distributed Optimal Estimation from Relative Measurements for Localization and Time Synchronization. Lecture Notes in Computer Science, 2006, , 266-281.	1.3	33
225	A model for stochastic hybrid systems with application to communication networks. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 1353-1383.	1.1	107
226	Nonlinear Control for the Dual Smart Drive Using Backstepping and a Time-Optimal Reference. Autonomous Robots, 2005, 19, 233-255.	4.8	4
227	Stochastic models for chemically reacting systems using polynomial stochastic hybrid systems. International Journal of Robust and Nonlinear Control, 2005, 15, 669-689.	3.7	132
228	Nonlinear norm-observability notions and stability of switched systems. IEEE Transactions on Automatic Control, 2005, 50, 154-168.	5.7	270
229	Stabilization of nonlinear systems with limited information feedback. IEEE Transactions on Automatic Control, 2005, 50, 910-915.	5.7	317
230	Polynomial Stochastic Hybrid Systems. Lecture Notes in Computer Science, 2005, , 322-338.	1.3	24
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