Le Yi Wang

List of Publications by Year
in descending order

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242 papers	7,521 citations	57758 44 h-index	69250 77 g-index
242 all docs	242 docs citations	242 times ranked	6429 citing authors

#	Article	IF	Citations
1	Platoon Control of Connected Vehicles from a Networked Control Perspective: Literature Review, Component Modeling, and Controller Synthesis. IEEE Transactions on Vehicular Technology, 2024, , 1-1.	6.3	43
2	Impact of Stochastic Generation/Load Variations on Distributed Optimal Energy Management in DC Microgrids for Transportation Electrification. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7196-7205.	8.0	5
3	Stochastic Adaptive Optimization With Dithers. IEEE Transactions on Automatic Control, 2022, 67, 189-202.	5.7	3
4	Adaptive step size selection in distributed optimization with observation noise and unknown stochastic target variation. Automatica, 2022, 135, 109940.	5.0	2
5	Modification of Cycle Life Model for Normal Aging Trajectory Prediction of Lithium-Ion Batteries at Different Temperatures and Discharge Current Rates. World Electric Vehicle Journal, 2022, 13, 59.	3.0	1
6	Deduction of the transformation regulation on voltage curve for lithium-ion batteries and its application in parameters estimation. ETransportation, 2022, 12, 100164.	14.8	10
7	MIMO architecture for fast convergence of distributed online optimization in smart grids. International Journal of Electrical Power and Energy Systems, 2022, 142, 108206.	5.5	2
8	Early Diagnosis of Accelerated Aging for Lithium-Ion Batteries With an Integrated Framework of Aging Mechanisms and Data-Driven Methods. IEEE Transactions on Transportation Electrification, 2022, 8, 4722-4742.	7.8	11
9	On Controllability of Hybrid Systems. IEEE Transactions on Automatic Control, 2021, 66, 3243-3250.	5.7	3
10	A Deep Filtering Approach for Control of Partially Observed Systems. , 2021, 5, 1189-1194.		2
11	Distributed Dual Subgradient Algorithms With Iterate-Averaging Feedback for Convex Optimization With Coupled Constraints. IEEE Transactions on Cybernetics, 2021, 51, 2529-2539.	9.5	15
12	Genomics accurately predicts antimicrobial resistance in Staphylococcus pseudintermedius collected as part of Vet-LIRN resistance monitoring. Veterinary Microbiology, 2021, 254, 109006.	1.9	11
13	Online accurate state of health estimation for battery systems on real-world electric vehicles with variable driving conditions considered. Journal of Cleaner Production, 2021, 294, 125814.	9.3	96
14	Genomic variation, origin tracing, and vaccine development of SARS-CoV-2: A systematic review. Innovation(China), 2021, 2, 100116.	9.1	39
15	Impact of Communication Packet Delivery Ratio on Reliability of Optimal Load Tracking and Allocation in DC Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 2812-2821.	9.0	6
16	Genotyping atypical porcine pestivirus using NS5a. Infection, Genetics and Evolution, 2021, 92, 104866.	2.3	6
17	Deep filtering. Communications in Information and Systems, 2021, 21, 651-667.	0.5	2
18	Adaptive Optimization with Periodic Dither Signals. Journal of Systems Science and Complexity, 2021, 34, 1766-1781.	2.8	1

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19	Application of a continuous respiratory sound monitoring system in thoracic surgery. Journal of Biomedical Research, 2021, 35, 491.	1.6	3
20	Communication-Failure-Resilient Distributed Frequency Control in Smart Grids: Part I: Architecture and Distributed Algorithms. , 2021, , .		0
21	Communication-Failure-Resilient Distributed Frequency Control in Smart Grids: Part II: Algorithmic Implementation and System Simulations. , 2021, , .		1
22	Fractional differential equation approach for convex optimization with convergence rate analysis. Optimization Letters, 2020, 14, 145-155.	1.6	16
23	Distributed Smooth Convex Optimization With Coupled Constraints. IEEE Transactions on Automatic Control, 2020, 65, 347-353.	5.7	43
24	Dual Averaging Push for Distributed Convex Optimization Over Time-Varying Directed Graph. IEEE Transactions on Automatic Control, 2020, 65, 1785-1791.	5.7	27
25	Control of PV systems for distribution network voltage regulation with communication delays. Electric Power Systems Research, 2020, 179, 106071.	3.6	3
26	Communication-Failure-Resilient Distributed Frequency Control in Smart Grids: Part I: Architecture and Distributed Algorithms. IEEE Transactions on Power Systems, 2020, 35, 1317-1326.	6.5	14
27	Bovine Kobuvirus in Calves with Diarrhea, United States. Emerging Infectious Diseases, 2020, 26, 176-178.	4.3	17
28	Dry Heat as a Decontamination Method for N95 Respirator Reuse. Environmental Science and Technology Letters, 2020, 7, 677-682.	8.7	31
29	Subcellular localization of the porcine deltacoronavirus nucleocapsid protein. Virus Genes, 2020, 56, 687-695.	1.6	5
30	Detection and Characterization of New Coronavirus in Bottlenose Dolphin, United States, 2019. Emerging Infectious Diseases, 2020, 26, 1610-1612.	4.3	13
31	Genetic characterization and recombination analysis of atypical porcine pestivirus. Infection, Genetics and Evolution, 2020, 81, 104259.	2.3	15
32	Astrovirus in White-Tailed Deer, United States, 2018. Emerging Infectious Diseases, 2020, 26, 374-376.	4.3	8
33	Simultaneous detection of classical swine fever virus and porcine circovirus 3 by SYBR green I-based duplex real-time fluorescence quantitative PCR. Molecular and Cellular Probes, 2020, 50, 101524.	2.1	17
34	Communication-Failure-Resilient Distributed Frequency Control in Smart Grids: Part II: Algorithmic Implementation and System Simulations. IEEE Transactions on Power Systems, 2020, 35, 3192-3202.	6.5	4
35	Cyber-Physical Scheduling for Predictable Reliability of Inter-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 4192-4206.	6.3	14
36	Information control in networked discrete event systems and its application to battery management systems. Discrete Event Dynamic Systems: Theory and Applications, 2020, 30, 243-268.	1.5	11

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37	Online joint-prediction of multi-forward-step battery SOC using LSTM neural networks and multiple linear regression for real-world electric vehicles. Journal of Energy Storage, 2020, 30, 101459.	8.1	94
38	SARS-CoV-2 detection in patients with influenza-like illness. Nature Microbiology, 2020, 5, 675-678.	13.3	149
39	Twoâ€time scale reinforcement learning and applications to production planning. IET Control Theory and Applications, 2020, 14, 3052-3061.	2.1	0
40	Controllability of a Class of Hybrid Systems. , 2020, , .		3
41	Distributed Energy Management for Smart Grids With an Event-Triggered Communication Scheme. IEEE Transactions on Control Systems Technology, 2019, 27, 1950-1961.	5.2	58
42	Hybrid Control of Networked Battery Systems. IEEE Transactions on Sustainable Energy, 2019, 10, 1109-1119.	8.8	12
43	Structural basis of host ligand specificity change of GII porcine noroviruses from their closely related GII human noroviruses. Emerging Microbes and Infections, 2019, 8, 1642-1657.	6.5	5
44	Multiâ€fault synergistic diagnosis of battery systems based on the modified multiâ€scale entropy. International Journal of Energy Research, 2019, 43, 8350-8369.	4.5	26
45	Whole genome sequencing confirms source of pathogens associated with bacterial foodborne illness in pets fed raw pet food. Journal of Veterinary Diagnostic Investigation, 2019, 31, 235-240.	1.1	28
46	Exponential convergence of distributed primalâ€“dual convex optimization algorithm without strong convexity. Automatica, 2019, 105, 298-306.	5.0	51
47	Development of a reverse transcription-loop-mediated isothermal amplification (RT-LAMP) assay for the detection of porcine pegivirus. Journal of Virological Methods, 2019, 270, 59-65.	2.1	5
48	Development of a triplex real-time RT-PCR assay for detection and differentiation of three US genotypes of porcine hemagglutinating encephalomyelitis virus. Journal of Virological Methods, 2019, 269, 13-17.	2.1	5
49	Switching Stochastic Approximation and Applications to Networked Systems. IEEE Transactions on Automatic Control, 2019, 64, 3587-3601.	5.7	5
50	Distributed noiseâ€resilient economic dispatch strategy for islanded microgrids. IET Generation, Transmission and Distribution, 2019, 13, 3029-3039.	2.5	19
51	Distributed Optimization in DC Microgrids with Subsystem Dynamics. , 2019, , .		0
52	Modeling and Controls of Large-Scale Switching Diffusion Networks with Mean-Field Interactions. , 2019, , .		0
53	Recombination between Vaccine and Field Strains of Porcine Reproductive and Respiratory Syndrome Virus. Emerging Infectious Diseases, 2019, 25, 2335-2337.	4.3	42
54	Single-cell stochastic gene expression kinetics with coupled positive-plus-negative feedback. Physical Review E, 2019, 100, 052406.	2.1	33

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55	Detection and genetic characterization of porcine pegivirus from pigs in China. Virus Genes, 2019, 55, 248-252.	1.6	7
56	Distributed quasi-monotone subgradient algorithm for nonsmooth convex optimization over directed graphs. Automatica, 2019, 101, 175-181.	5.0	21
57	Impact of Communication Erasure Channels on Control Performance of Connected and Automated Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 29-43.	6.3	12
58	Probabilistic Per-Packet Real-Time Guarantees for Wireless Networked Sensing and Control. IEEE Transactions on Industrial Informatics, 2018, 14, 2133-2145.	11.3	12
59	Distributed Cooperative Optimal Control of DC Microgrids With Communication Delays. IEEE Transactions on Industrial Informatics, 2018, 14, 3924-3935.	11.3	214
60	How much information is needed in quantized nonlinear control?. Science China Information Sciences, 2018, 61, 1.	4.3	11
61	Optimal Power Management in DC Microgrids With Applications to Dual-Source Trolleybus Systems. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1188-1197.	8.0	16
62	Two-Time-Scale Hybrid Traffic Models for Pedestrian Crowds. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3449-3460.	8.0	17
63	Stability of stochastic functional differential systems using degenerate Lyapunov functionals and applications. Automatica, 2018, 91, 197-207.	5.0	45
64	Adaptive Feedforward Compensation for Voltage Source Disturbance Rejection in DCâ€“DC Converters. IEEE Transactions on Control Systems Technology, 2018, 26, 344-351.	5.2	33
65	Stochastic Consentability of Linear Systems With Time Delays and Multiplicative Noises. IEEE Transactions on Automatic Control, 2018, 63, 1059-1074.	5.7	67
66	Robust Longitudinal Control of Multi-Vehicle Systemsâ€”A Distributed H-Infinity Method. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2779-2788.	8.0	99
67	Controllability, Observability, and Integrated State Estimation and Control of Networked Battery Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 1699-1710.	5.2	6
68	A low-temperature internal heating strategy without lifetime reduction for large-size automotive lithium-ion battery pack. Applied Energy, 2018, 230, 257-266.	10.1	109
69	Detection and genomic characterization of new avian-like hepatitis E virus in a sparrow in the United States. Archives of Virology, 2018, 163, 2861-2864.	2.1	10
70	A Bi-Level Optimization Approach to Charging Load Regulation of Electric Vehicle Fast Charging Stations Based on a Battery Energy Storage System. Energies, 2018, 11, 229.	3.1	25
71	Online estimation of thermal parameters based on a reduced wide-temperature-range electro-thermal coupled model for lithium-ion batteries. Journal of Power Sources, 2018, 396, 715-724.	7.8	25
72	Hammerstein Models and Real-Time System Identification of Load Dynamics for Voltage Management. IEEE Access, 2018, 6, 34598-34607.	4.2	13

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73	Distributed Optimal Power and Voltage Management in DC Microgrids: Applications to Dual-Source Trolleybus Systems. IEEE Transactions on Transportation Electrification, 2018, 4, 778-788.	7.8	16
74	Reliability Evaluation of Large Scale Battery Energy Storage Systems. IEEE Transactions on Smart Grid, 2017, 8, 2733-2743.	9.0	82
75	Supervisory Control of Networked Timed Discrete Event Systems and Its Applications to Power Distribution Networks. IEEE Transactions on Control of Network Systems, 2017, 4, 146-158.	3.7	40
76	Identification of Wiener systems with quantized inputs and binary-valued output observations. Automatica, 2017, 78, 280-286.	5.0	33
77	A novel method to obtain the open circuit voltage for the state of charge of lithium ion batteries in electric vehicles by using H infinity filter. Applied Energy, 2017, 207, 346-353.	10.1	233
78	Data-Driven Statistical Analysis and Diagnosis of Networked Battery Systems. IEEE Transactions on Sustainable Energy, 2017, 8, 1177-1186.	8.8	12
79	Load Prediction and Distributed Optimal Control of On-Board Battery Systems for Dual-Source Trolleybuses. IEEE Transactions on Transportation Electrification, 2017, 3, 284-296.	7.8	9
80	A study on the impact of open circuit voltage tests on state of charge estimation for lithium-ion batteries. Applied Energy, 2017, 205, 892-902.	10.1	83
81	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>N</mml:mi></mml:math>-diagnosability for active on-line diagnosis in discrete event systems. Automatica, 2017, 83, 220-225.	5.0	10
82	Decision-Based System Identification and Adaptive Resource Allocation. IEEE Transactions on Automatic Control, 2017, 62, 2166-2179.	5.7	16
83	Controllability of stochastic differential equations with Markovian switching. , 2017, , .		0
84	Detection and Genomic Characterization of Senecavirus A, Ohio, USA, 2015. Emerging Infectious Diseases, 2017, 22, 1321-1323.	4.3	22
85	Decentralized Electric Vehicle Charging Strategies for Reduced Load Variation and Guaranteed Charge Completion in Regional Distribution Grids. Energies, 2017, 10, 147.	3.1	30
86	Porcine Hemagglutinating Encephalomyelitis Virus and Respiratory Disease in Exhibition Swine, Michigan, USA, 2015. Emerging Infectious Diseases, 2017, 23, 1168-1171.	4.3	31
87	Flexible Grouping for Enhanced Energy Utilization Efficiency in Battery Energy Storage Systems. Energies, 2016, 9, 498.	3.1	21
88	A Generalized SOC-OCV Model for Lithium-Ion Batteries and the SOC Estimation for LNMCO Battery. Energies, 2016, 9, 900.	3.1	127
89	Direct Torque Feedback for Accurate Engine Torque Delivery and Improved Powertrain Performance. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	2
90	US variant porcine epidemic diarrhea virus: histological lesions and genetic characterization. Virus Genes, 2016, 52, 578-581.	1.6	5

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91	Genetic and phylogenetic analysis of a novel parvovirus isolated from chickens in Guangxi, China. Archives of Virology, 2016, 161, 3285-3289.	2.1	11
92	A rapid low-temperature internal heating strategy with optimal frequency based on constant polarization voltage for lithium-ion batteries. Applied Energy, 2016, 177, 771-782.	10.1	126
93	Butler-Volmer equation-based model and its implementation on state of power prediction of high-power lithium titanate batteries considering temperature effects. Energy, 2016, 117, 58-72.	8.8	36
94	Network robustness depth and topology management of networked dynamic systems. Journal of Systems Science and Complexity, 2016, 29, 1-21.	2.8	15
95	A reduced low-temperature electro-thermal coupled model for lithium-ion batteries. Applied Energy, 2016, 177, 804-816.	10.1	103
96	A capacity model based on charging process for state of health estimation of lithium ion batteries. Applied Energy, 2016, 177, 537-543.	10.1	130
97	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. Preventive Veterinary Medicine, 2016, 123, 175-184.	1.9	60
98	A generalized Goodwin business cycle model in random environment. Journal of Mathematical Analysis and Applications, 2016, 438, 311-327.	1.0	5
99	Robust and Scalable Management of Power Networks in Dual-Source Trolleybus Systems: A Consensus Control Framework. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1029-1038.	8.0	30
100	Balanced Control Strategies for Interconnected Heterogeneous Battery Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 189-199.	8.8	43
101	Controllability and adaptation of linear time-invariant systems under irregular and Markovian sampling. Automatica, 2016, 63, 92-100.	5.0	3
102	Stability Margin Improvement of Vehicular Platoon Considering Undirected Topology and Asymmetric Control. IEEE Transactions on Control Systems Technology, 2016, 24, 1253-1265.	5.2	185
103	Porcine deltacoronavirus: histological lesions and genetic characterization. Archives of Virology, 2016, 161, 171-175.	2.1	36
104	Novel suppression control strategy of disturbance from the input voltage source in DC/DC converters. , 2015, , .		1
105	Weighted and Constrained Consensus for Distributed Power Dispatch of Scalable Microgrids. Asian Journal of Control, 2015, 17, 1725-1741.	3.0	21
106	Robustness of SOC Estimation Algorithms for EV Lithium-Ion Batteries against Modeling Errors and Measurement Noise. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	11
107	Robust and Adaptive Estimation of State of Charge for Lithium-Ion Batteries. IEEE Transactions on Industrial Electronics, 2015, 62, 4948-4957.	7.9	148
108	Recursive Identification of Hammerstein With Noisy Observations**The work was supported by the NSFC under Grants 61273193, 61120106011, 61134013, the 973 program of China under grant No.2014CB845301, and the National Center for Mathematics and Interdisciplinary Sciences, Chinese Academy of Sciences, and in part by the Army Research Office under grant W911NF-12-1-0223.http://www.hamecmopsys.ens2m.fr. IFAC-PapersOnLine, 2015, 48, 1017-1022.	0.9	0

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109	System Identification Under Regular, Binary, and Quantized Observations: Moderate Deviations Error Bounds. IEEE Transactions on Automatic Control, 2015, 60, 1635-1640.	5.7	5
110	Impact of Communication Erasure Channels on the Safety of Highway Vehicle Platoons. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1456-1468.	8.0	33
111	Genomic and Phylogenetic Characterization of Novel, Recombinant H5N2 Avian Influenza Virus Strains Isolated from Vaccinated Chickens with Clinical Symptoms in China. Viruses, 2015, 7, 887-898.	3.3	24
112	Identification of linear continuous-time systems under irregular and random output sampling. Automatica, 2015, 60, 100-114.	5.0	13
113	Asymptotically efficient identification of FIR systems with quantized observations and general quantized inputs. Automatica, 2015, 57, 113-122.	5.0	48
114	Butlerâ€“Volmer-Equation-Based Electrical Model for High-Power Lithium Titanate Batteries Used in Electric Vehicles. IEEE Transactions on Industrial Electronics, 2015, 62, 7557-7568.	7.9	89
115	Razumikhin-type theorems on moment exponential stability of functional differential equations involving two-time-scale Markovian switching. Mathematical Control and Related Fields, 2015, 5, 697-719.	1.1	9
116	A mean-variance control framework for platoon control problems: Weak convergence results and applications on reduction of complexity. Communications in Information and Systems, 2015, 15, 57-86.	0.5	0
117	Detection and Genetic Characterization of Deltacoronavirus in Pigs, Ohio, USA, 2014. Emerging Infectious Diseases, 2014, 20, 1227-30.	4.3	283
118	New Variant of Porcine Epidemic Diarrhea Virus, United States, 2014. Emerging Infectious Diseases, 2014, 20, 917-919.	4.3	226
119	Porcine Coronavirus HKU15 Detected in 9 US States, 2014. Emerging Infectious Diseases, 2014, 20, 1594-1595.	4.3	96
120	Parameter estimation in systems with binary-valued observations and structural uncertainties. International Journal of Control, 2014, 87, 1061-1075.	1.9	3
121	Influence of information flow topology on closed-loop stability of vehicle platoon with rigid formation. , 2014, , .		83
122	Exponential ergodicity for retarded stochastic differential equations. Applicable Analysis, 2014, 93, 2330-2349.	1.3	14
123	Robust noise attenuation under stochastic noises and worst-case unmodelled dynamics. International Journal of Systems Science, 2014, 45, 1563-1578.	5.5	2
124	Topology of a Bidirectional Converter for Energy Interaction between Electric Vehicles and the Grid. Energies, 2014, 7, 4858-4894.	3.1	46
125	Decision-based system identification and adaptive resource allocation. , 2014, , .		1
126	Power distribution network management using networked control of timed discrete event systems. , 2014, , .		0

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127	Signâ€Regressor Adaptive Filtering Algorithms for Markovian Parameters. Asian Journal of Control, 2014, 16, 95-106.	3.0	2
128	Feedback systems with communications: integrated study of signal estimation, sampling, quantization, and feedback robustness. International Journal of Adaptive Control and Signal Processing, 2014, 28, 496-522.	4.1	7
129	A new transfer impedance based system equivalent model for voltage stability analysis. International Journal of Electrical Power and Energy Systems, 2014, 62, 38-44.	5.5	11
130	Communication Information Structures and Contents for Enhanced Safety of Highway Vehicle Platoons. IEEE Transactions on Vehicular Technology, 2014, 63, 4206-4220.	6.3	152
131	Almost sure convergence rates for system identification using binary, quantized, and regular sensors. Automatica, 2014, 50, 2120-2127.	5.0	18
132	Branched-linear and agglomerate protein polymers as vaccine platforms. Biomaterials, 2014, 35, 8427-8438.	11.4	18
133	Development and evaluation of a duplex real-time RT-PCR for detection and differentiation of virulent and variant strains of porcine epidemic diarrhea viruses from the United States. Journal of Virological Methods, 2014, 207, 154-157.	2.1	36
134	Control of vehicle platoons for highway safety and efficient utility: Consensus with communications and vehicle dynamics. Journal of Systems Science and Complexity, 2014, 27, 605-631.	2.8	78
135	Parameter estimation and reliable fault detection of electric motors. Control Theory and Technology, 2014, 12, 110-121.	1.6	4
136	Enhanced feedback robustness against communication channel multiplicative uncertainties via scaled dithers. Systems and Control Letters, 2014, 68, 25-32.	2.3	1
137	Bias reduction for reliable fault detection of electric motors under measurement noise of non-zero means. International Journal of Modelling, Identification and Control, 2014, 22, 1.	0.2	3
138	Persistent tracking and identification of regimeâ€switching systems with structural uncertainties: unmodeled dynamics, observation bias, and nonlinear model mismatch. International Journal of Adaptive Control and Signal Processing, 2013, 27, 182-198.	4.1	2
139	System Identification: New Paradigms, Challenges, and Opportunities. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 933-942.	1.5	22
140	Incorporating Generator Equivalent Model Into Voltage Stability Analysis. IEEE Transactions on Power Systems, 2013, 28, 4857-4866.	6.5	55
141	Achieving Thermal-Resiliency for Multicore Hard-Real-Time Systems. , 2013, , .		6
142	Coordinated control and communication for enhanced safety of highway vehicle platoons. , 2013, , .		10
143	Polyvalent complexes for vaccine development. Biomaterials, 2013, 34, 4480-4492.	11.4	39
144	Asymptotic optimality for consensus-type stochastic approximation algorithms using iterate averaging. Journal of Control Theory and Applications, 2013, 11, 1-9.	0.8	11

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145	Integrated System Identification and State-of-Charge Estimation of Battery Systems. IEEE Transactions on Energy Conversion, 2013, 28, 12-23.	5.2	107
146	Joint state and event observers for linear switching systems under irregular sampling. Automatica, 2013, 49, 894-905.	5.0	7
147	Voltage robust stability in microgrid power management. , 2013, , .		2
148	Norovirus P Particle Efficiently Elicits Innate, Humoral and Cellular Immunity. PLoS ONE, 2013, 8, e63269.	2.5	60
149	Adaptive State of Charge Estimation for Li-Ion Batteries Based on an Unscented Kalman Filter with an Enhanced Battery Model. Energies, 2013, 6, 4134-4151.	3.1	77
150	Affinities of recombinant norovirus P dimers for human blood group antigens. Glycobiology, 2013, 23, 276-285.	2.5	34
151	System identification of permanent magnet machines and its applications to inter-turn fault detection. , 2013, , .		3
152	Accurate Probabilistic Characterization of Battery Estimates by Using Large Deviation Principles for Real-Time Battery Diagnosis. IEEE Transactions on Energy Conversion, 2013, 28, 860-870.	5.2	9
153	Real-Time Parameter Estimation of PMDC Motors Using Quantized Sensors. IEEE Transactions on Vehicular Technology, 2013, 62, 2977-2986.	6.3	22
154	Asynchronous Stochastic Approximation Algorithms for Networked Systems: Regime-Switching Topologies and Multiscale Structure. Multiscale Modeling and Simulation, 2013, 11, 813-839.	1.6	8
155	Near-optimal meanâ€“variance controls under two-time-scale formulations and applications. Stochastics, 2013, 85, 723-741.	1.1	5
156	On-line parameter estimation of PMDC motors using binary-valued speed measurements. , 2012, , .		4
157	Spike Protein VP8* of Human Rotavirus Recognizes Histo-Blood Group Antigens in a Type-Specific Manner. Journal of Virology, 2012, 86, 4833-4843.	3.4	221
158	Battery Cell Identification and SOC Estimation Using String Terminal Voltage Measurements. IEEE Transactions on Vehicular Technology, 2012, 61, 2925-2935.	6.3	49
159	Moment exponential stability of random delay systems with two-time-scale Markovian switching. Nonlinear Analysis: Real World Applications, 2012, 13, 2476-2490.	1.7	23
160	Online parameter estimation of PMDC motors using quantized output observations. , 2012, , .		4
161	The Design and Analysis of Thermal-Resilient Hard-Real-Time Systems. , 2012, , .		16
162	Hierarchical control and management of virtual microgrids for vehicle electrification. , 2012, , .		3

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163	Convergence and error bounds of adaptive filtering under model structure and regressor uncertainties. Journal of Control Theory and Applications, 2012, 10, 144-151.	0.8	0
164	Stability of a pure random delay system with two-time-scale Markovian switching. Journal of Differential Equations, 2012, 253, 878-905.	2.2	28
165	Identification of swine H1N2/pandemic H1N1 reassortant influenza virus in pigs, United States. Veterinary Microbiology, 2012, 158, 60-68.	1.9	50
166	State and event estimation for regime-switching systems under irregular and random sampling schemes. Communications in Information and Systems, 2012, 12, 15-40.	0.5	0
167	State Observability and Observers of Linear-Time-Invariant Systems Under Irregular Sampling and Sensor Limitations. IEEE Transactions on Automatic Control, 2011, 56, 2639-2654.	5.7	70
168	Norovirus P Particle as a Platform for Antigen Presentation. Procedia in Vaccinology, 2011, 4, 19-26.	0.4	23
169	Stochastic Recursive Algorithms for Networked Systems with Delay and Random Switching: Multiscale Formulations and Asymptotic Properties. Multiscale Modeling and Simulation, 2011, 9, 1087-1112.	1.6	13
170	Robustness, Weak Stability, and Stability in Distribution of Adaptive Filtering Algorithms under Model Mismatch. Multiscale Modeling and Simulation, 2011, 9, 183-207.	1.6	2
171	Novel integration sliding mode speed controller for vector controlled induction machines. , 2011, , .		1
172	Observer-Based State Feedback for Enhanced Insulin Control of Type â€˜Iâ€™ Diabetic Patients. Open Biomedical Engineering Journal, 2011, 5, 98-109.	0.5	16
173	Detection of influenza viral gene in European starlings and experimental infection. Influenza and Other Respiratory Viruses, 2011, 5, 268-275.	3.4	7
174	Enhanced Identification of Battery Models for Real-Time Battery Management. IEEE Transactions on Sustainable Energy, 2011, 2, 300-308.	8.8	125
175	Molecular epidemiology of norovirus gastroenteritis in children in Jiangmen, China, 2005â€“2007. Archives of Virology, 2011, 156, 1641-1646.	2.1	15
176	Asymptotic properties of consensus-type algorithms for networked systems with regime-switching topologies. Automatica, 2011, 47, 1366-1378.	5.0	45
177	Noise estimation and bias correction in identification of battery models. , 2011, , .		2
178	Identification of cascaded systems with linear and quantized observations. Asian Journal of Control, 2010, 12, 1-14.	3.0	7
179	Signal estimation with binary-valued sensors. Journal of Systems Science and Complexity, 2010, 23, 622-639.	2.8	3
180	Swine Influenza H1N1 Virus Induces Acute Inflammatory Immune Responses in Pig Lungs: a Potential Animal Model for Human H1N1 Influenza Virus. Journal of Virology, 2010, 84, 11210-11218.	3.4	132

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181	In Vitro Analysis of Virus Particle Subpopulations in Candidate Live-Attenuated Influenza Vaccines Distinguishes Effective from Ineffective Vaccines. Journal of Virology, 2010, 84, 10974-10981.	3.4	21
182	System Identification with Quantized Observations. Systems and Control: Foundations and Applications, 2010, , .	0.3	147
183	Filter Design and Analysis in Frequency Domain for Server Scheduling and Optimization. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1573-1585.	5.6	0
184	Developing Live Attenuated Avian Influenza VirusIn OvoVaccines for Poultry. Avian Diseases, 2010, 54, 297-301.	1.0	8
185	Quantized Identification With Dependent Noise and Fisher Information Ratio of Communication Channels. IEEE Transactions on Automatic Control, 2010, 55, 674-690.	5.7	37
186	Anesthesia patient monitoring and control in wireless-based systems. , 2009, , .		0
187	Sequencing and mutational analysis of the non-coding regions of influenza A virus. Veterinary Microbiology, 2009, 135, 239-247.	1.9	27
188	System identification: Regime switching, unmodeled dynamics, and binary sensors. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e1328-e1336.	1.1	2
189	Tracking and identification of regime-switching systems using binary sensors. Automatica, 2009, 45, 944-955.	5.0	25
190	Identification of Systems With Regime Switching and Unmodeled Dynamics. IEEE Transactions on Automatic Control, 2009, 54, 34-47.	5.7	27
191	Anesthesia outcome prediction. Middle East Journal of Anesthesiology, 2009, 20, 363-8.	0.2	0
192	Q-Learning Algorithms with Random Truncation Bounds and Applications to Effective Parallel Computing. Journal of Optimization Theory and Applications, 2008, 137, 435-451.	1.5	3
193	Recursive estimation algorithms for power controls of wireless communication networks. Journal of Control Theory and Applications, 2008, 6, 225-232.	0.8	2
194	Space and time complexities and sensor threshold selection in quantized identification. Automatica, 2008, 44, 3014-3024.	5.0	30
195	State reconstruction for linear time-invariant systems with binary-valued output observations. Systems and Control Letters, 2008, 57, 958-963.	2.3	23
196	Identification Input Design for Consistent Parameter Estimation of Linear Systems With Binary-Valued Output Observations. IEEE Transactions on Automatic Control, 2008, 53, 867-880.	5.7	34
197	Cyclic System Reconfiguration and Time-Split Signal Separation With Applications to Lung Sound Pattern Analysis. IEEE Transactions on Signal Processing, 2007, 55, 2897-2913.	5.3	18
198	Identification of cascaded systems with linear and quantized observations. , 2007, , .		0

#	Article	IF	Citations
199	State estimation of systems with binary-valued observations. , 2007, , .		1
200	State reconstruction for linear time-invariant systems with binary-valued output observations. , 2007, , .		1
201	Asymptotically efficient parameter estimation using quantized output observations. Automatica, 2007, 43, 1178-1191.	5.0	124
202	Identification of Wiener systems with binary-valued output observations. Automatica, 2007, 43, 1752-1765.	5.0	98
203	Information Characterization of Communication Channels for System Identification. Journal of Systems Science and Complexity, 2007, 20, 251-261.	2.8	4
204	Joint identification of plant rational models and noise distribution functions using binary-valued observations. Automatica, 2006, 42, 535-547.	5.0	95
205	Identification Error Bounds and Asymptotic Distributions for Systems with Structural Uncertainties. Journal of Systems Science and Complexity, 2006, 19, 22-35.	2.8	9
206	Identification of Wiener Models with Binary-Valued Output Observations. , 2006, , .		0
207	Sufficient excitation conditions for system identification using binary-valued observations. , 2006, , .		0
208	Cyclic system reconfiguration for adaptive separation of lung and heart sounds. , 2006, , .		4
209	Multi-sensor lung sound extraction via time-shared channel identification and adaptive noise cancellation. , 2004, , .		0
210	Time-shared channel identification for adaptive noise cancellation in breath sound extraction. Journal of Control Theory and Applications, 2004, 2, 209-221.	0.8	17
211	Aftertreatment control and adaptation for automotive lean burn engines with HEGO sensors. International Journal of Adaptive Control and Signal Processing, 2004, 18, 145-166.	4.1	31
212	Optimal periodic remapping of dynamic bulk synchronous computations. Journal of Parallel and Distributed Computing, 2003, 63, 1036-1049.	4.1	5
213	Optimal remapping in dynamic bulk synchronous computations via a stochastic control approach. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 51-62.	5.6	9
214	System identification using binary sensors. IEEE Transactions on Automatic Control, 2003, 48, 1892-1907.	5.7	231
215	Closed-loop persistent identification of linear systems with unmodeled dynamics and stochastic disturbances. Automatica, 2002, 38, 1463-1474.	5.0	17
216	Stochastic Prediction of Execution Time for Dynamic Bulk Synchronous Computations. Journal of Supercomputing, 2002, 21, 91-103.	3.6	11

#	Article	IF	Citations
217	Information-based complexity of uncertainty sets in feedback control. IEEE Transactions on Automatic Control, 2001, 46, 519-533.	5.7	5
218	System identification with binary-valued sensors. , 2001, , .		0
219	Fundamental limitations and differences of robust and adaptive control. , 2001, , .		3
220	Performance lower bounds in stochastic robust and adaptive control. IEEE Transactions on Automatic Control, 2001, 46, 1137-1141.	5.7	2
221	Control of electrical power assist systems: HÃ¢Âˆ Âž design, torque estimation and structural stability. Review of Automotive Engineering, 2001, 22, 435-444.	0.2	55
222	Uncertainty, information and complexity in identification and control. International Journal of Robust and Nonlinear Control, 2000, 10, 857-874.	3.7	6
223	Persistent identification of systems with unmodeled dynamics and exogenous disturbances. IEEE Transactions on Automatic Control, 2000, 45, 1246-1256.	5.7	36
224	Time complexity and model complexity of fast identification of continuous-time LTI systems. IEEE Transactions on Automatic Control, 1999, 44, 1814-1828.	5.7	9
225	Persistent identification and adaptation: stabilization of slowly varying systems in H/sup âˆž/. IEEE Transactions on Automatic Control, 1998, 43, 1211-1229.	5.7	1
226	Persistent identification of time-varying systems. IEEE Transactions on Automatic Control, 1997, 42, 66-82.	5.7	30
227	A NOTE ON ROBUST STABILIZATION OF FEEDBACK LINEARIZABLE SYSTEMS. International Journal of Robust and Nonlinear Control, 1997, 7, 85-95.	3.7	1
228	On the metric complexity of continuous-time systems. International Journal of Robust and Nonlinear Control, 1996, 6, 221-234.	3.7	2
229	Disturbance attenuation via state feedback for systems with a saturation nonlinearity in the control channel. Automatica, 1996, 32, 929-931.	5.0	3
230	Co-ordinate transformation in back-stepping design for a class of non-linear systems. International Journal of Adaptive Control and Signal Processing, 1995, 9, 433-442.	4.1	4
231	Continuity of optimal robustness and robust stabilization in slowly varying systems. Automatica, 1995, 31, 1-11.	5.0	8
232	Point mutation in Pompe disease in Chinese. Journal of Inherited Metabolic Disease, 1994, 17, 145-148.	3.6	25
233	Fast identification n-widths and uncertainty principles for LTI and slowly varying systems. IEEE Transactions on Automatic Control, 1994, 39, 1827-1838.	5.7	58
234	Fast Identification n-Widths and Quasianalytic Inputs for Continuous LTI Systems. , 1993, , .		2

#	Article	IF	Citations
235	How conservative is frozen-time interpolation?. Systems and Control Letters, 1992, 18, 277-283.	2.3	3
236	On metric dimensions of discrete-time systems. Systems and Control Letters, 1992, 19, 287-291.	2.3	13
237	Uncertainty Principles and Identification n-Widths for LTI and Slowly Varying Systems. , 1992, , .		25
238	How Conservative is Frozen-time Interpolation?. , 1992, , .		0
239	Localâ€“global double algebras for slow Hâˆž adaptation; the case of l2 disturbances. IMA Journal of Mathematical Control and Information, 1991, 8, 287-319.	1.7	5
240	Lipschitz continuity of Hâˆž sensitivity optimization for continuous-time systems. , 1991, , .		0
241	Optimal periodic remapping of bulk synchronous computations on multiprogrammed distributed systems. , 0, , .		6
242	Lung sound pattern analysis for anesthesia monitoring. , 0, , .		2