Le Yi Wang

List of Publications by Year in Descending Order

219 papers	5,135 citations	38 h-index	63 g-index
242 ext. papers	6,417 ext. citations	5 avg, IF	6.18 L-index

#	Paper	IF	Citations
219	Adaptive step size selection in distributed optimization with observation noise and unknown stochastic target variation. *Automatica*, **2022**, 135, 109940	5.7	0
218	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	2.5	0
217	Deduction of the transformation regulation on voltage curve for lithium-ion batteries and its application in parameters estimation. *ETransportation*, **2022**, 12, 100164	12.7	1
216	MIMO architecture for fast convergence of distributed online optimization in smart grids. *International Journal of Electrical Power and Energy Systems*, **2022**, 142, 108206	5.1	1
215	Adaptive Optimization with Periodic Dither Signals. *Journal of Systems Science and Complexity*, **2021**, 34, 1766-1781	1	1
214	Application of a continuous respiratory sound monitoring system in thoracic surgery. *Journal of Biomedical Research*, **2021**, 35, 491-494	1.5	
213	Genomics accurately predicts antimicrobial resistance in Staphylococcus pseudintermedius collected as part of Vet-LIRN resistance monitoring. *Veterinary Microbiology*, **2021**, 254, 109006	3.3	2
212	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	10.3	32
211	Genomic variation, origin tracing, and vaccine development of SARS-CoV-2: A systematic review. *Innovation(China)*, **2021**, 2, 100116	17.8	15
210	On Controllability of Hybrid Systems. *IEEE Transactions on Automatic Control*, **2021**, 66, 3243-3250	5.9	2
209	A Deep Filtering Approach for Control of Partially Observed Systems **2021**, 5, 1189-1194		0
208	Distributed Dual Subgradient Algorithms With Iterate-Averaging Feedback for Convex Optimization With Coupled Constraints. *IEEE Transactions on Cybernetics*, **2021**, 51, 2529-2539	10.2	6
207	Impact of Stochastic Generation/Load Variations on Distributed Optimal Energy Management in DC Microgrids for Transportation Electrification. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-10	6.1	1
206	Stochastic Adaptive Optimization with Dithers. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	3
205	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	10.7	2
204	Genotyping atypical porcine pestivirus using NS5a. *Infection, Genetics and Evolution*, **2021**, 92, 104866	4.5	2
203	Deep filtering. *Communications in Information and Systems*, **2021**, 21, 651-667	0.8	1

202	Detection and Characterization of New Coronavirus in Bottlenose Dolphin, United States, 2019. *Emerging Infectious Diseases*, **2020**, 26, 1610-1612	10.2	7
201	Genetic characterization and recombination analysis of atypical porcine pestivirus. *Infection, Genetics and Evolution*, **2020**, 81, 104259	4.5	11
200	Astrovirus in White-Tailed Deer, United States, 2018. *Emerging Infectious Diseases*, **2020**, 26, 374-376	10.2	3
199	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	3.3	9
198	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	7	2
197	. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4192-4206	6.8	7
196	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	2
195	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	7.8	35
194	SARS-CoV-2 detection in patients with influenza-like illness. *Nature Microbiology*, **2020**, 5, 675-678	26.6	107
193	Two-time scale reinforcement learning and applications to production planning. *IET Control Theory and Applications*, **2020**, 14, 3052-3061	2.5	
192	Control of PV systems for distribution network voltage regulation with communication delays. *Electric Power Systems Research*, **2020**, 179, 106071	3.5	3
191	Communication-Failure-Resilient Distributed Frequency Control in Smart Grids: Part I: Architecture and Distributed Algorithms. *IEEE Transactions on Power Systems*, **2020**, 35, 1317-1326	7	5
190	Bovine Kobuvirus in Calves with Diarrhea, United States. *Emerging Infectious Diseases*, **2020**, 26, 176-178	10.2	8
189	Dry Heat as a Decontamination Method for N95 Respirator Reuse. *Environmental Science and Technology Letters*, **2020**, 7, 677-682	11	22
188	Subcellular localization of the porcine deltacoronavirus nucleocapsid protein. *Virus Genes*, **2020**, 56, 687-695	1.9	1
187	Fractional differential equation approach for convex optimization with convergence rate analysis. *Optimization Letters*, **2020**, 14, 145-155	1.1	9
186	Distributed Smooth Convex Optimization With Coupled Constraints. *IEEE Transactions on Automatic Control*, **2020**, 65, 347-353	5.9	23
185	Dual Averaging Push for Distributed Convex Optimization Over Time-Varying Directed Graph. *IEEE Transactions on Automatic Control*, **2020**, 65, 1785-1791	5.9	10

184	Multi-fault synergistic diagnosis of battery systems based on the modified multi-scale entropy. *International Journal of Energy Research*, **2019**, 43, 8350-8369	4.5	10
183	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	1.5	18
182	Exponential convergence of distributed primal-dual convex optimization algorithm without strong convexity. *Automatica*, **2019**, 105, 298-306	5.7	23
181	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	2.6	4
180	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	2.6	2
179	Switching Stochastic Approximation and Applications to Networked Systems. *IEEE Transactions on Automatic Control*, **2019**, 64, 3587-3601	5.9	2
178	Distributed Energy Management for Smart Grids With an Event-Triggered Communication Scheme. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 1950-1961	4.8	39
177	Hybrid Control of Networked Battery Systems. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 1109-1119	8.2	8
176	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	18.9	3
175	Distributed noise-resilient economic dispatch strategy for islanded microgrids. *IET Generation, Transmission and Distribution*, **2019**, 13, 3029-3039	2.5	9
174	Recombination between Vaccine and Field Strains of Porcine Reproductive and Respiratory Syndrome Virus. *Emerging Infectious Diseases*, **2019**, 25, 2335-2337	10.2	18
173	Single-cell stochastic gene expression kinetics with coupled positive-plus-negative feedback. *Physical Review E*, **2019**, 100, 052406	2.4	15
172	Detection and genetic characterization of porcine pegivirus from pigs in China. *Virus Genes*, **2019**, 55, 248-252	2.3	6
171	Distributed quasi-monotone subgradient algorithm for nonsmooth convex optimization over directed graphs. *Automatica*, **2019**, 101, 175-181	5.7	15
170	. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 29-43	6.8	4
169	Probabilistic Per-Packet Real-Time Guarantees for Wireless Networked Sensing and Control. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 2133-2145	11.9	8
168	Distributed Cooperative Optimal Control of DC Microgrids With Communication Delays. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 3924-3935	11.9	139
167	How much information is needed in quantized nonlinear control?. *Science China Information Sciences*, **2018**, 61, 1	3.4	9

166	Optimal Power Management in DC Microgrids With Applications to Dual-Source Trolleybus Systems. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 1188-1197	6.1	10
165	Two-Time-Scale Hybrid Traffic Models for Pedestrian Crowds. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 3449-3460	6.1	10
164	Stability of stochastic functional differential systems using degenerate Lyapunov functionals and applications. *Automatica*, **2018**, 91, 197-207	5.7	28
163	Adaptive Feedforward Compensation for Voltage Source Disturbance Rejection in DC DC Converters. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 344-351	4.8	22
162	Platoon Control of Connected Vehicles from a Networked Control Perspective: Literature Review, Component Modeling, and Controller Synthesis. *IEEE Transactions on Vehicular Technology*, **2018**, 1-1	6.8	24
161	. *IEEE Transactions on Automatic Control*, **2018**, 63, 1059-1074	5.9	41
160	Robust Longitudinal Control of Multi-Vehicle Systems A Distributed H-Infinity Method. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 2779-2788	6.1	64
159	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	14
158	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	8.9	17
157	Hammerstein Models and Real-Time System Identification of Load Dynamics for Voltage Management. *IEEE Access*, **2018**, 6, 34598-34607	3.5	11
156	Distributed Optimal Power and Voltage Management in DC Microgrids: Applications to Dual-Source Trolleybus Systems. *IEEE Transactions on Transportation Electrification*, **2018**, 4, 778-788	7.6	9
155	Controllability, Observability, and Integrated State Estimation and Control of Networked Battery Systems. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 1699-1710	4.8	4
154	A low-temperature internal heating strategy without lifetime reduction for large-size automotive lithium-ion battery pack. *Applied Energy*, **2018**, 230, 257-266	10.7	54
153	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	2.6	6
152	Reliability Evaluation of Large Scale Battery Energy Storage Systems. *IEEE Transactions on Smart Grid*, **2017**, 8, 2733-2743	10.7	36
151	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	4	23
150	Identification of Wiener systems with quantized inputs and binary-valued output observations. *Automatica*, **2017**, 78, 280-286	5.7	23
149	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	10.7	145

148	Data-Driven Statistical Analysis and Diagnosis of Networked Battery Systems. *IEEE Transactions on Sustainable Energy*, **2017**, 8, 1177-1186	8.2	11
147	Load Prediction and Distributed Optimal Control of On-Board Battery Systems for Dual-Source Trolleybuses. *IEEE Transactions on Transportation Electrification*, **2017**, 3, 284-296	7.6	6
146	Porcine Hemagglutinating Encephalomyelitis Virus and Respiratory Disease in Exhibition Swine, Michigan, USA, 2015. *Emerging Infectious Diseases*, **2017**, 23, 1168-1171	10.2	26
145	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	10.7	46
144	N-diagnosability for active on-line diagnosis in discrete event systems. *Automatica*, **2017**, 83, 220-225	5.7	5
143	. *IEEE Transactions on Automatic Control*, **2017**, 62, 2166-2179	5.9	12
142	Decentralized Electric Vehicle Charging Strategies for Reduced Load Variation and Guaranteed Charge Completion in Regional Distribution Grids. *Energies*, **2017**, 10, 147	3.1	20
141	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	10.7	79
140	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	7.9	28
139	Network robustness depth and topology management of networked dynamic systems. *Journal of Systems Science and Complexity*, **2016**, 29, 1-21	1	10
138	A reduced low-temperature electro-thermal coupled model for lithium-ion batteries. *Applied Energy*, **2016**, 177, 804-816	10.7	73
137	A capacity model based on charging process for state of health estimation of lithium ion batteries. *Applied Energy*, **2016**, 177, 537-543	10.7	86
136	Genomic and evolutionary inferences between American and global strains of porcine epidemic diarrhea virus. *Preventive Veterinary Medicine*, **2016**, 123, 175-184	3.1	48
135	A generalized Goodwin business cycle model in random environment. *Journal of Mathematical Analysis and Applications*, **2016**, 438, 311-327	1.1	3
134	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	6.1	20
133	Balanced Control Strategies for Interconnected Heterogeneous Battery Systems. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 189-199	8.2	27
132	Controllability and adaptation of linear time-invariant systems under irregular and Markovian sampling. *Automatica*, **2016**, 63, 92-100	5.7	2
131	. *IEEE Transactions on Control Systems Technology*, **2016**, 24, 1253-1265	4.8	127

130	Porcine deltacoronavirus: histological lesions and genetic characterization. *Archives of Virology*, **2016**, 161, 171-5	2.6	29
129	Detection and Genomic Characterization of Senecavirus A, Ohio, USA, 2015. *Emerging Infectious Diseases*, **2016**, 22, 1321-3	10.2	15
128	Flexible Grouping for Enhanced Energy Utilization Efficiency in Battery Energy Storage Systems. *Energies*, **2016**, 9, 498	3.1	15
127	A Generalized SOC-OCV Model for Lithium-Ion Batteries and the SOC Estimation for LNMCO Battery. *Energies*, **2016**, 9, 900	3.1	65
126	Direct Torque Feedback for Accurate Engine Torque Delivery and Improved Powertrain Performance. *Journal of Engineering for Gas Turbines and Power*, **2016**, 138,	1.7	1
125	US variant porcine epidemic diarrhea virus: histological lesions and genetic characterization. *Virus Genes*, **2016**, 52, 578-81	2.3	4
124	Genetic and phylogenetic analysis of a novel parvovirus isolated from chickens in Guangxi, China. *Archives of Virology*, **2016**, 161, 3285-9	2.6	8
123	Genomic and phylogenetic characterization of novel, recombinant H5N2 avian influenza virus strains isolated from vaccinated chickens with clinical symptoms in China. *Viruses*, **2015**, 7, 887-98	6.2	17
122	Identification of linear continuous-time systems under irregular and random output sampling. *Automatica*, **2015**, 60, 100-114	5.7	9
121	Asymptotically efficient identification of FIR systems with quantized observations and general quantized inputs. *Automatica*, **2015**, 57, 113-122	5.7	37
120	Butler-Volmer-Equation-Based Electrical Model for High-Power Lithium Titanate Batteries Used in Electric Vehicles. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 7557-7568	8.9	64
119	Novel suppression control strategy of disturbance from the input voltage source in DC/DC converters **2015**,		1
118	Weighted and Constrained Consensus for Distributed Power Dispatch of Scalable Microgrids. *Asian Journal of Control*, **2015**, 17, 1725-1741	1.7	12
117	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	6
116	Robust and Adaptive Estimation of State of Charge for Lithium-Ion Batteries. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 4948-4957	8.9	113
115	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	0.7	
114	System Identification Under Regular, Binary, and Quantized Observations: Moderate Deviations Error Bounds. *IEEE Transactions on Automatic Control*, **2015**, 60, 1635-1640	5.9	5
113	. *IEEE Transactions on Intelligent Transportation Systems*, **2015**, 16, 1456-1468	6.1	23

112	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	1.5
		5
111	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	0.8
110	A new transfer impedance based system equivalent model for voltage stability analysis. *International Journal of Electrical Power and Energy Systems*, **2014**, 62, 38-44	5.1	10
109	. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 4206-4220	6.8	100
108	Almost sure convergence rates for system identification using binary, quantized, and regular sensors. *Automatica*, **2014**, 50, 2120-2127	5.7	15
107	Branched-linear and agglomerate protein polymers as vaccine platforms. *Biomaterials*, **2014**, 35, 8427-38	15.6	16
106	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, 154-7	2.6	30
105	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	1	57
104	Parameter estimation and reliable fault detection of electric motors. *Control Theory and Technology*, **2014**, 12, 110-121	1	1
103	Enhanced feedback robustness against communication channel multiplicative uncertainties via scaled dithers. *Systems and Control Letters*, **2014**, 68, 25-32	2.4	0
102	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	0.6	2
101	Detection and genetic characterization of deltacoronavirus in pigs, Ohio, USA, 2014. *Emerging Infectious Diseases*, **2014**, 20, 1227-30	10.2	206
100	New variant of porcine epidemic diarrhea virus, United States, 2014. *Emerging Infectious Diseases*, **2014**, 20, 917-9	10.2	179
99	Porcine coronavirus HKU15 detected in 9 US states, 2014. *Emerging Infectious Diseases*, **2014**, 20, 1594-5	10.2	78
98	Parameter estimation in systems with binary-valued observations and structural uncertainties. *International Journal of Control*, **2014**, 87, 1061-1075	1.5	3
97	Influence of information flow topology on closed-loop stability of vehicle platoon with rigid formation **2014**,		56
96	Exponential ergodicity for retarded stochastic differential equations. *Applicable Analysis*, **2014**, 93, 2330-2349	0.6	12
95	Robust noise attenuation under stochastic noises and worst-case unmodelled dynamics. *International Journal of Systems Science*, **2014**, 45, 1563-1578	2.3	1

94	Topology of a Bidirectional Converter for Energy Interaction between Electric Vehicles and the Grid. *Energies*, **2014**, 7, 4858-4894	3.1	27
93	Sign-Regressor Adaptive Filtering Algorithms for Markovian Parameters. *Asian Journal of Control*, **2014**, 16, 95-106	1.7	1
92	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	2.8	5
91	Persistent tracking and identification of regime-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	2.8	2
90	System Identification: New Paradigms, Challenges, and Opportunities. *Zidonghua Xuebao/Acta Automatica Sinica*, **2013**, 39, 933-942		11
89	Incorporating Generator Equivalent Model Into Voltage Stability Analysis. *IEEE Transactions on Power Systems*, **2013**, 28, 4857-4866	7	47
88	Achieving Thermal-Resiliency for Multicore Hard-Real-Time Systems **2013**,		5
87	Coordinated control and communication for enhanced safety of highway vehicle platoons **2013**,		2
86	Polyvalent complexes for vaccine development. *Biomaterials*, **2013**, 34, 4480-92	15.6	31
85	Asymptotic optimality for consensus-type stochastic approximation algorithms using iterate averaging. *Journal of Control Theory and Applications*, **2013**, 11, 1-9		10
84	Integrated System Identification and State-of-Charge Estimation of Battery Systems. *IEEE Transactions on Energy Conversion*, **2013**, 28, 12-23	5.4	84
83	Joint state and event observers for linear switching systems under irregular sampling. *Automatica*, **2013**, 49, 894-905	5.7	4
82	Voltage robust stability in microgrid power management **2013**,		2
81	Norovirus P particle efficiently elicits innate, humoral and cellular immunity. *PLoS ONE*, **2013**, 8, e63269	3.7	52
80	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	61
79	Affinities of recombinant norovirus P dimers for human blood group antigens. *Glycobiology*, **2013**, 23, 276-85	5.8	28
78	System identification of permanent magnet machines and its applications to inter-turn fault detection **2013**,		2
77	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	5.4	7

76	. *IEEE Transactions on Vehicular Technology*, **2013**, 62, 2977-2986	6.8	15
75	Asynchronous Stochastic Approximation Algorithms for Networked Systems: Regime-Switching Topologies and Multiscale Structure. *Multiscale Modeling and Simulation*, **2013**, 11, 813-839	1.8	7
74	Near-optimal mean–variance controls under two-time-scale formulations and applications. *Stochastics*, **2013**, 85, 723-741	0.6	4
73	Stability of a pure random delay system with two-time-scale Markovian switching. *Journal of Differential Equations*, **2012**, 253, 878-905	2.1	21
72	Identification of swine H1N2/pandemic H1N1 reassortant influenza virus in pigs, United States. *Veterinary Microbiology*, **2012**, 158, 60-8	3.3	40
71	Battery Cell Identification and SOC Estimation Using String Terminal Voltage Measurements. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 2925-2935	6.8	36
70	Moment exponential stability of random delay systems with two-time-scale Markovian switching. *Nonlinear Analysis: Real World Applications*, **2012**, 13, 2476-2490	2.1	17
69	Online parameter estimation of PMDC motors using quantized output observations **2012**,		1
68	The Design and Analysis of Thermal-Resilient Hard-Real-Time Systems **2012**,		14
67	Hierarchical control and management of virtual microgrids for vehicle electrification **2012**,		3
66	Convergence and error bounds of adaptive filtering under model structure and regressor uncertainties. *Journal of Control Theory and Applications*, **2012**, 10, 144-151		
65	On-line parameter estimation of PMDC motors using binary-valued speed measurements **2012**,		2
64	Spike protein VP8* of human rotavirus recognizes histo-blood group antigens in a type-specific manner. *Journal of Virology*, **2012**, 86, 4833-43	6.6	187
63	State and event estimation for regime-switching systems under irregular and random sampling schemes. *Communications in Information and Systems*, **2012**, 12, 15-40	0.8	
62	Norovirus P Particle as a Platform for Antigen Presentation. *Procedia in Vaccinology*, **2011**, 4, 19-26		18
61	Stochastic Recursive Algorithms for Networked Systems with Delay and Random Switching: Multiscale Formulations and Asymptotic Properties. *Multiscale Modeling and Simulation*, **2011**, 9, 1087-1112	1.8	8
60	Robustness, Weak Stability, and Stability in Distribution of Adaptive Filtering Algorithms under Model Mismatch. *Multiscale Modeling and Simulation*, **2011**, 9, 183-207	1.8	2
59	Observer-based state feedback for enhanced insulin control of type Ⅰ diabetic patients. *Open Biomedical Engineering Journal*, **2011**, 5, 98-109	0.9	10

58	Detection of influenza viral gene in European starlings and experimental infection. *Influenza and Other Respiratory Viruses*, **2011**, 5, 268-75	5.6	6
57	. *IEEE Transactions on Sustainable Energy*, **2011**, 2, 300-308	8.2	102
56	Molecular epidemiology of norovirus gastroenteritis in children in Jiangmen, China, 2005-2007. *Archives of Virology*, **2011**, 156, 1641-6	2.6	15
55	. *IEEE Transactions on Automatic Control*, **2011**, 56, 2639-2654	5.9	55
54	Asymptotic properties of consensus-type algorithms for networked systems with regime-switching topologies. *Automatica*, **2011**, 47, 1366-1378	5.7	35
53	Noise estimation and bias correction in identification of battery models **2011**,		2
52	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, 11210-8	6.6	104
51	In vitro analysis of virus particle subpopulations in candidate live-attenuated influenza vaccines distinguishes effective from ineffective vaccines. *Journal of Virology*, **2010**, 84, 10974-81	6.6	19
50	System Identification with Quantized Observations **2010**,		101
49	Filter Design and Analysis in Frequency Domain for Server Scheduling and Optimization. *IEEE Transactions on Parallel and Distributed Systems*, **2010**, 21, 1573-1585	3.7	
48	Developing live attenuated avian influenza virus in ovo vaccines for poultry. *Avian Diseases*, **2010**, 54, 297-301	1.6	5
47	. *IEEE Transactions on Automatic Control*, **2010**, 55, 674-690	5.9	27
46	Signal estimation with binary-valued sensors. *Journal of Systems Science and Complexity*, **2010**, 23, 622-639	1	3
45	Sequencing and mutational analysis of the non-coding regions of influenza A virus. *Veterinary Microbiology*, **2009**, 135, 239-47	3.3	25
44	System identification: Regime switching, unmodeled dynamics, and binary sensors. *Nonlinear Analysis: Theory, Methods & Applications*, **2009**, 71, e1328-e1336	1.3	2
43	Tracking and identification of regime-switching systems using binary sensors. *Automatica*, **2009**, 45, 944-955	5.7	21
42	. *IEEE Transactions on Automatic Control*, **2009**, 54, 34-47	5.9	23
41	Anesthesia outcome prediction. *Middle East Journal of Anesthesiology*, **2009**, 20, 363-8		

40	Identification Input Design for Consistent Parameter Estimation of Linear Systems With Binary-Valued Output Observations. *IEEE Transactions on Automatic Control*, **2008**, 53, 867-880	5.9	25
39	Q-Learning Algorithms with Random Truncation Bounds and Applications to Effective Parallel Computing. *Journal of Optimization Theory and Applications*, **2008**, 137, 435-451	1.6	3
38	Recursive estimation algorithms for power controls of wireless communication networks. *Journal of Control Theory and Applications*, **2008**, 6, 225-232		1
37	Space and time complexities and sensor threshold selection in quantized identification. *Automatica*, **2008**, 44, 3014-3024	5.7	24
36	State reconstruction for linear time-invariant systems with binary-valued output observations. *Systems and Control Letters*, **2008**, 57, 958-963	2.4	19
35	Asymptotically efficient parameter estimation using quantized output observations. *Automatica*, **2007**, 43, 1178-1191	5.7	96
34	Identification of Wiener systems with binary-valued output observations. *Automatica*, **2007**, 43, 1752-1765	5.7	79
33	Information Characterization of Communication Channels for System Identification. *Journal of Systems Science and Complexity*, **2007**, 20, 251-261	1	4
32	Cyclic System Reconfiguration and Time-Split Signal Separation With Applications to Lung Sound Pattern Analysis. *IEEE Transactions on Signal Processing*, **2007**, 55, 2897-2913	4.8	14
31	Identification Error Bounds and Asymptotic Distributions for Systems with Structural Uncertainties. *Journal of Systems Science and Complexity*, **2006**, 19, 22-35	1	7
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