

Yu-Chu Tian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

178
papers

3,278
citations

31
h-index

50
g-index

198
ext. papers

4,273
ext. citations

5.1
avg. IF

5.96
L-index

#	Paper	IF	Citations
178	Distributed Multi-rate Control of Battery Energy Storage Systems for Power Allocation. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	0
177	Two-Phase Industrial Manufacturing Service Management for Energy Efficiency of Data Centers. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	1
176	An ensemble of Xgboost models for detecting disorders of consciousness in brain injuries through EEG connectivity. <i>Expert Systems With Applications</i> , 2022 , 198, 116778	7.8	0
175	Attack Intention Oriented Dynamic Risk Propagation of Cyberattacks on Cyber-Physical Power Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	
174	False Data Injection Enabled Network Parameter Modifications in Power Systems: Attack and Detection. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	1
173	Energy-efficient virtual machine placement in data centres via an accelerated Genetic Algorithm with improved fitness computation. <i>Energy</i> , 2022 , 252, 123884	7.9	0
172	An opposition learning and spiral modelling based arithmetic optimization algorithm for global continuous optimization problems. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 113, 104981	7.2	2
171	L2 Gain Secure Control of Cyber-physical Systems under Fast Time-varying Cyber Attacks. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	1
170	Computationally efficient sandbox algorithm for multifractal analysis of large-scale complex networks with tens of millions of nodes. <i>Physical Review E</i> , 2021 , 103, 043303	2.4	3
169	A Unified Architectural Approach for Cyberattack-Resilient Industrial Control Systems. <i>Proceedings of the IEEE</i> , 2021 , 109, 517-541	14.3	21
168	Optimization and control of cyberphysical power systems under dual-network interactive cascading failure. <i>Control Engineering Practice</i> , 2021 , 111, 104789	3.9	4
167	Distributed Secure Consensus Control With Event-Triggering for Multiagent Systems Under DoS Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2916-2928	10.2	24
166	Efficient Hybrid Central Processing Unit/ InputOutput Resource Scheduling for Virtual Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2714-2724	8.9	1
165	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2637-2647	8.9	4
164	Simultaneous application assignment and virtual machine placement via ant colony optimization for energy-efficient enterprise data centers. <i>Cluster Computing</i> , 2021 , 24, 1255-1275	2.1	1
163	Decentralized Consensus Decision-Making for Cybersecurity Protection in Multimicrogrid Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2187-2198	7.3	10
162	Voltage Restoration and Adjustable Current Sharing for DC Microgrid With Time Delay via Distributed Secondary Control. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1068-1077	8.2	8

161	Dynamic model predictive control for constrained cyber-physical systems subject to actuator attacks. <i>International Journal of Systems Science</i> , 2021 , 52, 821-831	2.3	1
160	Delay-Tolerant Predictive Power Compensation Control for Photovoltaic Voltage Regulation. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 4545-4554	11.9	25
159	Association Analysis-Based Cybersecurity Risk Assessment for Industrial Control Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 1423-1432	4.3	3
158	Adaptive Resilient Control of Cyber-Physical Systems under Actuator and Sensor Attacks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
157	Distributed Voltage Regulation for Low-Voltage and High-PV-Penetration Networks With Battery Energy Storage Systems Subject to Communication Delay. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-8	4.8	3
156	Distributed Non-Convex Event-Triggered Optimization over Time-varying Directed Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
155	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1440-1450	7	7
154	Kalman prediction-based virtual network experimental platform for smart living. <i>Computer Communications</i> , 2021 , 177, 156-165	5.1	1
153	Robotic Edge Resource Allocation for Agricultural Cyber-Physical System. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	1
152	Steady-State Voltage Regulation With Reduced Photovoltaic Power Curtailment. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 1853-1863	3.7	5
151	Robust Event-Triggered Dynamic Average Consensus Against Communication Link Failures With Application to Battery Control. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1559-1570	4	7
150	Column-Wise Element Selection for Computationally Efficient Nonnegative Coupled Matrix Tensor Factorization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	2
149	An improved firefly algorithm for global continuous optimization problems. <i>Expert Systems With Applications</i> , 2020 , 149, 113340	7.8	43
148	Detecting Disorders of Consciousness in Brain Injuries From EEG Connectivity Through Machine Learning. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-11	4.1	1
147	Secure Communication Based on Quantized Synchronization of Chaotic Neural Networks Under an Event-Triggered Strategy. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 3334-3345	10.3	63
146	Output-Based Containment Control for Uncertain Nonaffine Nonlinear Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7.3	3
145	Distributed Secondary Control for Current Sharing and Voltage Restoration in DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2487-2497	10.7	22
144	Energy-efficiency virtual machine placement based on binary gravitational search algorithm. <i>Cluster Computing</i> , 2020 , 23, 1577-1588	2.1	13

143	Time-Varying Formation Tracking With Prescribed Performance for Uncertain Nonaffine Nonlinear Multiagent Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-12	4.9	5
142	Efficient and Secure Multi-User Multi-Task Computation Offloading for Mobile-Edge Computing in Mobile IoT Networks. <i>IEEE Transactions on Network and Service Management</i> , 2020 , 17, 2410-2422	4.8	47
141	Risk-Based Scheduling of Security Tasks in Industrial Control Systems With Consideration of Safety. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3112-3123	11.9	6
140	Local stability conditions for T-S fuzzy time-delay systems using a homogeneous polynomial approach. <i>Fuzzy Sets and Systems</i> , 2020 , 385, 111-126	3.7	8
139	Profile-Guided Three-Phase Virtual Resource Management for Energy Efficiency of Data Centers. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2460-2468	8.9	6
138	Constrained Broadcast With Minimized Latency in Neighborhood Area Networks of Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 309-318	11.9	8
137	Resource allocation and computation offloading with data security for mobile edge computing. <i>Future Generation Computer Systems</i> , 2019 , 100, 531-541	7.5	61
136	Distributed State-of-Charge Balance Control With Event-Triggered Signal Transmissions for Multiple Energy Storage Systems in Smart Grid. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1601-1611	7.3	17
135	Quantitative Electroencephalography Analysis for Improved Assessment of Consciousness in Cerebral Hemorrhage and Ischemic Stroke Patients. <i>IEEE Access</i> , 2019 , 7, 63674-63685	3.5	4
134	Using Phase Synchrony Index for Improved Assessment of Consciousness in Ischemic Stroke Patients. <i>IEEE Access</i> , 2019 , 7, 30252-30260	3.5	4
133	A Collaborative Intrusion Detection Approach Using Blockchain for Multimicrogrid Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1720-1730	7.3	34
132	. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6396-6403	10.7	19
131	Multi-objective resource allocation for Edge Cloud based robotic workflow in smart factory. <i>Future Generation Computer Systems</i> , 2019 , 97, 119-130	7.5	48
130	Generating Scale-Free Topology for Wireless Neighborhood Area Networks in Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4245-4252	10.7	10
129	A Dynamic Decision-Making Approach for Intrusion Response in Industrial Control Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2544-2554	11.9	28
128	Constrained Optimization of Multicast Routing for Wide Area Control of Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3801-3808	10.7	19
127	. <i>IEEE Access</i> , 2019 , 7, 87002-87016	3.5	1
126	Output-based resilient event-triggered control for networked control systems under denial of service attacks. <i>IET Control Theory and Applications</i> , 2019 , 13, 2521-2528	2.5	18

125	Resource Provisioning for MapReduce Computation in Cloud Container Environment 2019 ,		2
124	A Secure Charging Scheme for Electric Vehicles With Smart Communities in Energy Blockchain. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 4601-4613	10.7	154
123	An Ant Colony System for energy-efficient dynamic Virtual Machine Placement in data centers. <i>Expert Systems With Applications</i> , 2019 , 120, 228-238	7.8	63
122	Minimizing Multicast Routing Delay in Multiple Multicast Trees With Shared Links for Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5427-5435	10.7	14
121	Theoretical Results of QoS-Guaranteed Resource Scaling for Cloud-Based MapReduce. <i>IEEE Transactions on Cloud Computing</i> , 2018 , 6, 879-889	3.3	7
120	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 608-618	11.9	20
119	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8153-8162	8.9	48
118	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2497-2506	11.9	77
117	Energy-efficient application assignment in profile-based data center management through a Repairing Genetic Algorithm. <i>Applied Soft Computing Journal</i> , 2018 , 67, 399-408	7.5	12
116	GNSS Time Synchronization in Vehicular Ad-Hoc Networks: Benefits and Feasibility. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 3915-3924	6.1	36
115	An enhanced fast handover triggering mechanism for Fast Proxy Mobile IPv6. <i>Wireless Networks</i> , 2018 , 24, 513-522	2.5	7
114	Improved Stability and Stabilization Results for Stochastic Synchronization of Continuous-Time Semi-Markovian Jump Neural Networks With Time-Varying Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2488-2501	10.3	131
113	Event-triggered robust H _∞ control for uncertain networked control systems with time delay. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 2928-2947	1.8	8
112	Cost-sensitive and hybrid-attribute measure multi-decision tree over imbalanced data sets. <i>Information Sciences</i> , 2018 , 422, 242-256	7.7	65
111	QoS-guaranteed resource provisioning for cloud-based MapReduce in dynamical environments. <i>Future Generation Computer Systems</i> , 2018 , 78, 18-30	7.5	7
110	An AFK-SVD Sparse Representation Approach for Speech Signal Processing. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 177-184	0.5	
109	Control-theoretic adaptive cache-fair scheduling of chip multiprocessor systems. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 3095-3104	1.8	
108	Revealing the densest communities of social networks efficiently through intelligent data space reduction. <i>Expert Systems With Applications</i> , 2018 , 94, 70-80	7.8	2

107	Randomized and Efficient Time Synchronization in Dynamic Wireless Sensor Networks: A Gossip-Consensus-Based Approach. <i>Complexity</i> , 2018 , 2018, 1-16	1.6	4
106	Adaptive Neural Output Consensus Control of Stochastic Nonlinear Strict-Feedback Multi-Agent Systems * 2018 ,		1
105	Adaptive Energy-Aware Algorithms for Minimizing Energy Consumption and SLA Violation in Cloud Computing. <i>IEEE Access</i> , 2018 , 6, 55923-55936	3.5	76
104	Time synchronization in vehicular ad-hoc networks: A survey on theory and practice. <i>Vehicular Communications</i> , 2018 , 14, 39-51	5.7	21
103	Output feedback control of networked systems with a stochastic communication protocol. <i>Journal of the Franklin Institute</i> , 2017 , 354, 3838-3853	4	34
102	Efficient Route Update and Maintenance for Reliable Routing in Large-Scale Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 144-156	11.9	20
101	A mixed integer linear programming approach to perform hospital capacity assessments. <i>Expert Systems With Applications</i> , 2017 , 77, 170-188	7.8	14
100	Further results on delay-dependent stability criteria of discrete systems with an interval time-varying delay. <i>Journal of the Franklin Institute</i> , 2017 , 354, 4955-4965	4	8
99	Adaptive and robust evidence theory with applications in prediction of floor water inrush in coal mine. <i>Transactions of the Institute of Measurement and Control</i> , 2017 , 39, 483-493	1.8	4
98	Profile-Based Ant Colony Optimization for Energy-Efficient Virtual Machine Placement. <i>Lecture Notes in Computer Science</i> , 2017 , 863-871	0.9	6
97	Profile-based dynamic application assignment with a repairing genetic algorithm for greener data centers. <i>Journal of Supercomputing</i> , 2017 , 73, 3977-3998	2.5	9
96	Scalable and efficient data distribution for distributed computing of all-to-all comparison problems. <i>Future Generation Computer Systems</i> , 2017 , 67, 152-162	7.5	2
95	Profile-based application assignment for greener and more energy-efficient data centers. <i>Future Generation Computer Systems</i> , 2017 , 67, 94-108	7.5	17
94	Application of Bayesian network to data-driven cyber-security risk assessment in SCADA networks 2017 ,		10
93	A decrease-and-conquer genetic algorithm for energy efficient virtual machine placement in data centers 2017 ,		5
92	A Comparison of Supervised Machine Learning Algorithms for Classification of Communications Network Traffic. <i>Lecture Notes in Computer Science</i> , 2017 , 445-454	0.9	24
91	New Decrease-and-Conquer Strategies for the Dynamic Genetic Algorithm for Server Consolidation. <i>Lecture Notes in Computer Science</i> , 2017 , 504-512	0.9	2
90	Requirements and Complexity Analysis of Cross-Layer Design Optimization for Adaptive Inter-vehicle DSRC. <i>Lecture Notes in Computer Science</i> , 2017 , 122-137	0.9	1

89	Game balanced multi-factor multicast routing in sensor grid networks. <i>Information Sciences</i> , 2016 , 367-368, 550-572	7.7	11
88	A Deadline-Constrained 802.11 MAC Protocol With QoS Differentiation for Soft Real-Time Control. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 544-554	11.9	28
87	2016 ,		3
86	Data-aware task scheduling for all-to-all comparison problems in heterogeneous distributed systems. <i>Journal of Parallel and Distributed Computing</i> , 2016 , 93-94, 87-101	4.4	10
85	Nash Equilibrium-Based Semantic Cache in Mobile Sensor Grid Database Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-12	7.3	10
84	Using Genetic Algorithm in Profile-Based Assignment of Applications to Virtual Machines for Greener Data Centers. <i>Lecture Notes in Computer Science</i> , 2015 , 182-189	0.9	2
83	Application of Simulated Annealing to Data Distribution for All-to-All Comparison Problems in Homogeneous Systems. <i>Lecture Notes in Computer Science</i> , 2015 , 683-691	0.9	0
82	Domain-specific application analysis for customized instruction identification. <i>Microprocessors and Microsystems</i> , 2014 , 38, 637-648	2.4	
81	Precise relative clock synchronization for distributed control using TSC registers. <i>Journal of Network and Computer Applications</i> , 2014 , 44, 63-71	7.9	3
80	Cross-layer design for traffic management in wireless networked control systems 2014 ,		2
79	A distributed computing framework for All-to-All comparison problems 2014 ,		2
78	Profiling: An application assignment approach for green data centers 2014 ,		6
77	Optimizing I/O Cost and Managing Memory for Composition Vector Method Based on Correlation Matrix Calculation in Bioinformatics. <i>Current Bioinformatics</i> , 2014 , 9, 234-245	4.7	5
76	Algorithm clustering for multi-algorithm processor design 2013 ,		2
75	An efficient proactive route maintenance process for reliable data transmissions in sensor networks 2013 ,		1
74	Dynamic robot path planning using an enhanced simulated annealing approach. <i>Applied Mathematics and Computation</i> , 2013 , 222, 420-437	2.7	62
73	Social engineering in social networking sites: Affect-based model 2013 ,		8
72	Managing memory and reducing I/O cost for correlation matrix calculation in bioinformatics 2013 ,		3

71	An ensemble method for predicting subnuclear localizations from primary protein structures. <i>PLoS ONE</i> , 2013 , 8, e57225	3.7	31
70	Local Adjustment and Global Adaptation of Control Periods for QoC Management of Control Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 846-854	4.8	9
69	Efficient route update and maintenance processes for multipath routing in large-scale industrial wireless sensor networks 2012 ,		4
68	Modelling and performance evaluation of the IEEE 802.11 DCF for real-time control. <i>Computer Networks</i> , 2012 , 56, 435-447	5.4	19
67	Predictive compensation for variable network delays and packet losses in networked control systems. <i>Computers and Chemical Engineering</i> , 2012 , 39, 152-162	4	22
66	Energy-Efficient Virtual Machine Placement in Data Centers by Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 315-323	0.9	46
65	A Human-Simulated Immune Evolutionary Computation Approach. <i>Lecture Notes in Computer Science</i> , 2012 , 92-99	0.9	
64	Output Feedback Control of Discrete-Time Systems in Networked Environments. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2011 , 41, 185-190		68
63	QoC elastic scheduling for real-time control systems. <i>Real-Time Systems</i> , 2011 , 47, 534-561	1.3	7
62	A conditional retransmission enabled transport protocol for real-time networked control systems 2011 ,		2
61	Performance analysis of IEEE 802.11 DCF based WNCS networks 2010 ,		7
60	Markov Modelling of the IEEE 802.11 DCF for Real-Time Applications with Periodic Traffic 2010 ,		2
59	Accelerated computation of cyclic steady state for simulated-moving-bed processes. <i>Chemical Engineering Science</i> , 2010 , 65, 1694-1704	4.4	5
58	Feedback scheduling of priority-driven control networks. <i>Computer Standards and Interfaces</i> , 2009 , 31, 539-547	3.5	14
57	Delay-dependent robust . <i>Information Sciences</i> , 2009 , 179, 3187-3197	7.7	47
56	Delay distribution based robust H _∞ control of networked control systems with uncertainties. <i>Asian Journal of Control</i> , 2009 , 12, n/a-n/a	1.7	3
55	New Approach on Robust Delay-Dependent H_{∞} Control for Uncertain T-S Fuzzy Systems With Interval Time-Varying Delay. <i>IEEE Transactions on Fuzzy Systems</i> , 2009 , 17, 890-900	8.3	49
54	REDUCING CONTROL LATENCY AND JITTER IN REAL-TIME CONTROL. <i>Asian Journal of Control</i> , 2008 , 8, 72-75	1.7	3

53	Control-theoretic dynamic voltage scaling for embedded controllers. <i>IET Computers and Digital Techniques</i> , 2008 , 2, 377	0.9	3
52	Improved delay-dependent robust stability criteria for uncertain systems with interval time-varying delay. <i>IET Control Theory and Applications</i> , 2008 , 2, 752-761	2.5	79
51	High-Precision Relative Clock Synchronization Using Time Stamp Counters 2008 ,		12
50	Robot path planning in dynamic environments using a simulated annealing based approach 2008 ,		14
49	Using Wavelets for Solving SMB Separation Process Models. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 5585-5593	3.9	9
48	Dealing with network complexity in real-time networked control. <i>International Journal of Computer Mathematics</i> , 2008 , 85, 1235-1253	1.2	16
47	Limit Cycles for the Kukles system. <i>Journal of Dynamical and Control Systems</i> , 2008 , 14, 283-298	1.1	8
46	Wavelet approach incorporated with optimization for solving stiff systems. <i>Journal of Mathematical Chemistry</i> , 2008 , 43, 1533-1548	2.1	1
45	Wavelet-based collocation method for stiff systems in process engineering. <i>Journal of Mathematical Chemistry</i> , 2008 , 44, 501-513	2.1	4
44	State feedback controller design of networked control systems with interval time-varying delay and nonlinearity. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 1285-1301	3.6	112
43	Mathematical Model of a Continuous Galvanizing Annealing Furnace. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008 , 8, 359-374		8
42	Process Systems Engineering: Successful Application in an Industrial Process. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008 , 10, 181-196		2
41	High-resolution method for numerically solving PDEs in process engineering. <i>Computers and Chemical Engineering</i> , 2008 , 32, 2403-2408	4	9
40	Delay-dependent robust stability criteria for uncertain systems with interval time-varying delay. <i>Journal of Computational and Applied Mathematics</i> , 2008 , 214, 480-494	2.4	129
39	Compensation for control packet dropout in networked control systems. <i>Information Sciences</i> , 2008 , 178, 1263-1278	7.7	44
38	Improved delay-dependent robust stabilization conditions of uncertain TS fuzzy systems with time-varying delay. <i>Fuzzy Sets and Systems</i> , 2008 , 159, 2713-2729	3.7	76
37	Comments on "The computation of wavelet-Galerkin approximation on a bounded interval" <i>International Journal for Numerical Methods in Engineering</i> , 2007 , 72, 244-251	2.4	16
36	Networked H _∞ control of linear systems with state quantization. <i>Information Sciences</i> , 2007 , 177, 5763-5774		125

35	Linear estimate of the number of limit cycles for a class of non-linear systems. <i>Chaos, Solitons and Fractals</i> , 2007 , 31, 804-810	9.3	6
34	Multifractal nature of network induced time delay in networked control systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 361, 103-107	2.3	36
33	ON THE NUMBER OF ZEROS OF THE ABELIAN INTEGRALS FOR A CLASS OF PERTURBED LIÉNARD SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 3281-3287	2	
32	Fuzzy Logic Control Based QoS Management in Wireless Sensor/Actuator Networks. <i>Sensors</i> , 2007 , 7, 3179-3191	3.8	56
31	Wireless Sensor/Actuator Network Design for Mobile Control Applications. <i>Sensors</i> , 2007 , 7, 2157-2173	3.8	103
30	Communication Architecture Design for Real-Time Networked Control Systems 2006 ,		5
29	Queuing Packets in Communication Networks for Networked Control Systems 2006 ,		5
28	Robust H _∞ Control of Networked Control Systems with Parameter Uncertainty and State-delay. <i>European Journal of Control</i> , 2006 , 12, 471-480	2.5	15
27	On the zeros of the Abelian integrals for a class of Liénard systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 358, 262-274	2.3	18
26	Functional Analysis of a Real-Time Protocol for Networked Control Systems. <i>Lecture Notes in Computer Science</i> , 2006 , 446-460	0.9	3
25	Interaction of separation and reactive stages on ETBE reactive distillation columns. <i>AIChE Journal</i> , 2004 , 50, 646-653	3.6	8
24	Application of side reactors on ETBE reactive distillation. <i>Chemical Engineering Journal</i> , 2004 , 99, 35-43	14.7	17
23	Adaptive Control of an ETBE Reactive Distillation Column. <i>Journal of Chemical Engineering of Japan</i> , 2004 , 37, 210-216	0.8	10
22	Modelling and Control of Reactive Distillation Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 31-38		1
21	Combined Gain-Scheduling and Multimodel Control of a Reactive Distillation Column. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 791-796		
20	Mining Ecological Data with Cellular Automata. <i>Lecture Notes in Computer Science</i> , 2004 , 474-483	0.9	1
19	Apoptosis of tumour cells by temperature and anti-tumour drug: microscopic and macroscopic investigations. <i>Journal of Thermal Biology</i> , 2003 , 28, 321-329	2.9	3
18	Pattern-based predictive control for ETBE reactive distillation. <i>Journal of Process Control</i> , 2003 , 13, 57-63	3.9	30

17	Model Gain Scheduling Control of an Ethyl tert-Butyl Ether Reactive Distillation Column. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 3584-3591	3.9	26
16	Constrained control of chaos. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 296, 87-90	2.3	26
15	A time-delay compensation strategy for processes with uncertainties. <i>Computers and Chemical Engineering</i> , 2002 , 26, 1437-1447	4	4
14	Variations and modelling of oxygen demand in amino acid production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2001 , 40, 401-409	3.7	8
13	Strategies for Enhancing Geometric Nonlinear Control of an Industrial Evaporator System. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 656-667	3.9	3
12	Nonlinear open-plus-closed-loop (NOPCL) control of dynamic systems. <i>Chaos, Solitons and Fractals</i> , 2000 , 11, 1029-1035	9.3	11
11	Conversion inference for ETBE reactive distillation. <i>Separation and Purification Technology</i> , 2000 , 19, 85-91	8.3	13
10	Injection Velocity Control of Thermoplastic Injection Molding via A Double Controller Scheme. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3396-3406	3.9	11
9	Control of Integrator Processes with Dominant Time Delay. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 2979-2983	3.9	24
8	A nonlinear PID controller with applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 2657-2661		1
7	Double-Controller Scheme for Separating Load Rejection from Set-Point Tracking. <i>Chemical Engineering Research and Design</i> , 1998 , 76, 445-450	5.5	13
6	Adaptive control of chaotic continuous-time systems with delay. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 117, 1-12	3.3	59
5	Compensation of Dominant and Variable Delay in Process Systems. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 982-986	3.9	17
4	Adaptive Control of a Chaotic System with Delay. <i>Chinese Physics Letters</i> , 1998 , 15, 477-479	1.8	2
3	A Double-Controller Scheme for Controlling Dominant Delay Processes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998 , 31, 443-448		
2	Extraction of delay information from chaotic time series based on information entropy. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 108, 113-118	3.3	37
1	A new switching function for variable structure control		1