

Yeng Chai Soh

List of Publications by Year in descending order

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369
papers

11,717
citations

23567

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all docs

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docs citations

369
times ranked

7788
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliable H ∞ controller design for linear systems. <i>Automatica</i> , 2001, 37, 717-725.	5.0	473
2	Robust Kalman filtering for uncertain discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 1310-1314.	5.7	468
3	Fusion of WiFi, Smartphone Sensors and Landmarks Using the Kalman Filter for Indoor Localization. <i>Sensors</i> , 2015, 15, 715-732.	3.8	321
4	Ensemble of online sequential extreme learning machine. <i>Neurocomputing</i> , 2009, 72, 3391-3395.	5.9	302
5	Optimal linear estimation for systems with multiple packet dropouts. <i>Automatica</i> , 2008, 44, 1333-1342.	5.0	287
6	Robust Human Activity Recognition Using Smartphone Sensors via CT-PCA and Online SVM. <i>IEEE Transactions on Industrial Informatics</i> , 2017, 13, 3070-3080.	11.3	189
7	Robust Kalman filtering for uncertain systems. <i>Systems and Control Letters</i> , 1994, 22, 123-129.	2.3	185
8	A Novel Rate Control Scheme for Low Delay Video Communication of H.264/AVC Standard. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007, 17, 68-78.	8.3	177
9	Augmented distributed gradient methods for multi-agent optimization under uncoordinated constant stepsizes. , 2015, , .		177
10	Smartphone Inertial Sensor-Based Indoor Localization and Tracking With iBeacon Corrections. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 1540-1549.	11.3	177
11	HVAC system optimization in-building section. <i>Energy and Buildings</i> , 2005, 37, 11-22.	6.7	175
12	Design and analysis of discrete-time robust Kalman filters. <i>Automatica</i> , 2002, 38, 1069-1077.	5.0	162
13	Adaptive Kalman Filtering in Networked Systems With Random Sensor Delays, Multiple Packet Dropouts and Missing Measurements. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 1577-1588.	5.3	158
14	Region-of-Interest Based Resource Allocation for Conversational Video Communication of H.264/AVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008, 18, 134-139.	8.3	154
15	An adaptive technique for robust diagnosis of faults with independent effects on system outputs. <i>International Journal of Control</i> , 2002, 75, 792-802.	1.9	152
16	Indoor occupancy estimation from carbon dioxide concentration. <i>Energy and Buildings</i> , 2016, 131, 132-141.	6.7	149
17	A feedforward neural network based indoor-climate control framework for thermal comfort and energy saving in buildings. <i>Applied Energy</i> , 2019, 248, 44-53.	10.1	135
18	Convergence of Asynchronous Distributed Gradient Methods Over Stochastic Networks. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 434-448.	5.7	131

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19	Random forest based thermal comfort prediction from gender-specific physiological parameters using wearable sensing technology. <i>Energy and Buildings</i> , 2018, 166, 391-406.	6.7	130
20	Constructive hidden nodes selection of extreme learning machine for regression. <i>Neurocomputing</i> , 2010, 73, 3191-3199.	5.9	120
21	Adaptive backstepping control design for systems with unknown high-frequency gain. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 2350-2354.	5.7	117
22	Open Cirrus: A Global Cloud Computing Testbed. <i>Computer</i> , 2010, 43, 35-43.	1.1	116
23	Thermal comfort prediction using normalized skin temperature in a uniform built environment. <i>Energy and Buildings</i> , 2018, 159, 426-440.	6.7	115
24	H/sub \hat{z} / filtering of 2-D discrete systems. <i>IEEE Transactions on Signal Processing</i> , 2000, 48, 1760-1768.	5.3	114
25	Stacked Extreme Learning Machines. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 2013-2025.	9.5	112
26	A simplified modeling of cooling coils for control and optimization of HVAC systems. <i>Energy Conversion and Management</i> , 2004, 45, 2915-2930.	9.2	111
27	Dissipative control for linear discrete-time systems. <i>Automatica</i> , 1999, 35, 1557-1564.	5.0	109
28	Event-Triggered Communication and Data Rate Constraint for Distributed Optimization of Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1908-1919.	9.3	106
29	Robust pole assignment. <i>Automatica</i> , 1987, 23, 601-610.	5.0	103
30	HVAC system optimizationâ€œâ€condenser water loop. <i>Energy Conversion and Management</i> , 2004, 45, 613-630.	9.2	102
31	A Reorganized Innovation Approach to Linear Estimation. <i>IEEE Transactions on Automatic Control</i> , 2004, 49, 1810-1814.	5.7	102
32	Global optimization for overall HVAC systemsâ€œâ€Part I problem formulation and analysis. <i>Energy Conversion and Management</i> , 2005, 46, 999-1014.	9.2	100
33	Stabilization of a class of switched systems via designing switching laws. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 665-670.	5.7	96
34	An adaptive spatial information-theoretic fuzzy clustering algorithm for image segmentation. <i>Computer Vision and Image Understanding</i> , 2013, 117, 1412-1420.	4.7	95
35	New approaches to robust minimum variance filter design. <i>IEEE Transactions on Signal Processing</i> , 2001, 49, 2620-2629.	5.3	92
36	Decentralized adaptive control using integrator backstepping. <i>Automatica</i> , 1997, 33, 1719-1724.	5.0	91

#	ARTICLE	IF	CITATIONS
37	H $\hat{\alpha}$ and Robust Control of 2-D Systems in FM Second Model. Multidimensional Systems and Signal Processing, 2002, 13, 265-287.	2.6	90
38	Two-stage extreme learning machine for regression. Neurocomputing, 2010, 73, 3028-3038.	5.9	90
39	Asynchronous periodic event-triggered consensus for multi-agent systems. Automatica, 2017, 84, 214-220.	5.0	88
40	High-Gain Observers With Sliding Mode for State and Unknown Input Estimations. IEEE Transactions on Industrial Electronics, 2009, 56, 3386-3393.	7.9	86
41	A new coordinated control strategy for boiler-turbine system of coal-fired power plant. IEEE Transactions on Control Systems Technology, 2005, 13, 943-954.	5.2	85
42	Observer-based stabilization of switching linear systems. Automatica, 2003, 39, 517-524.	5.0	80
43	A new chaotic secure communication system. IEEE Transactions on Communications, 2003, 51, 1306-1312.	7.8	75
44	Global optimization for overall HVAC systems – Part II problem solution and simulations. Energy Conversion and Management, 2005, 46, 1015-1028.	9.2	73
45	Robust Adaptive Gradient-Descent Training Algorithm for Recurrent Neural Networks in Discrete Time Domain. IEEE Transactions on Neural Networks, 2008, 19, 1841-1853.	4.2	72
46	Rate Control of H.264/AVC Scalable Extension. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 116-121.	8.3	71
47	Reliable guaranteed cost control for uncertain nonlinear systems. IEEE Transactions on Automatic Control, 2000, 45, 2188-2192.	5.7	70
48	Chaotic cryptosystem with high sensitivity to parameter mismatch. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 579-583.	0.1	70
49	A fusion framework for occupancy estimation in office buildings based on environmental sensor data. Energy and Buildings, 2016, 133, 790-798.	6.7	70
50	Modeling regular occupancy in commercial buildings using stochastic models. Energy and Buildings, 2015, 103, 216-223.	6.7	69
51	A physiologic model of capillary-tissue exchange for dynamic contrast-enhanced imaging of tumor microcirculation. IEEE Transactions on Biomedical Engineering, 2003, 50, 159-167.	4.2	65
52	High-gain observer with sliding mode for nonlinear state estimation and fault reconstruction. Journal of the Franklin Institute, 2014, 351, 1995-2014.	3.4	65
53	A Novel Semisupervised Deep Learning Method for Human Activity Recognition. IEEE Transactions on Industrial Informatics, 2019, 15, 3821-3830.	11.3	64
54	Dynamic Extreme Learning Machine and Its Approximation Capability. IEEE Transactions on Cybernetics, 2013, 43, 2054-2065.	9.5	63

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55	Robust decentralized adaptive stabilization of interconnected systems with guaranteed transient performance. <i>Automatica</i> , 2000, 36, 907-915.	5.0	62
56	Robust observer with sliding mode estimation for nonlinear uncertain systems. <i>IET Control Theory and Applications</i> , 2007, 1, 1533-1540.	2.1	62
57	Output-feedback protocols without controller interaction for consensus of homogeneous multi-agent systems: A unified robust control view. <i>Automatica</i> , 2017, 81, 37-45.	5.0	62
58	Event-Triggered Output Regulation of Heterogeneous Multiagent Networks. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 4429-4434.	5.7	62
59	Machine learning driven personal comfort prediction by wearable sensing of pulse rate and skin temperature. <i>Building and Environment</i> , 2020, 170, 106615.	6.9	62
60	H $\hat{\alpha}$ deconvolution filtering of 2-d digital systems. <i>IEEE Transactions on Signal Processing</i> , 2002, 50, 2319-2332.	5.3	58
61	A reconfigurable optofluidic Michelson interferometer using tunable droplet grating. <i>Lab on A Chip</i> , 2010, 10, 1072.	6.0	58
62	Linearity Indices and Linearity Improvement of 2-D Tetralateral Position-Sensitive Detector. <i>IEEE Transactions on Electron Devices</i> , 2010, 57, 2310-2316.	3.0	57
63	Robust consensus of uncertain linear multi-agent systems via dynamic output feedback. <i>Automatica</i> , 2018, 98, 114-123.	5.0	57
64	Sensor Placement by Maximal Projection on Minimum Eigenspace for Linear Inverse Problems. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 5595-5610.	5.3	56
65	Robust backpropagation training algorithm for multilayered neural tracking controller. <i>IEEE Transactions on Neural Networks</i> , 1999, 10, 1133-1141.	4.2	53
66	Adaptive spatial information-theoretic clustering for image segmentation. <i>Pattern Recognition</i> , 2009, 42, 2029-2044.	8.1	53
67	Optimized Dynamic Policy for Receding Horizon Control of Linear Time-Varying Systems With Bounded Disturbances. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 973-988.	5.7	53
68	Higher-order sliding mode observer for estimation of tyre friction in ground vehicles. <i>IET Control Theory and Applications</i> , 2014, 8, 399-408.	2.1	52
69	Optimal recursive filtering, prediction, and smoothing for singular stochastic discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 2154-2158.	5.7	51
70	Switched controllers and their applications in bilinear systems. <i>Automatica</i> , 2001, 37, 477-481.	5.0	51
71	Robust adaptive control of nonlinear discrete-time systems by backstepping without overparameterization. <i>Automatica</i> , 2001, 37, 551-558.	5.0	51
72	Fault reconstruction and state estimation with sliding mode observers for Lipschitz non-linear systems. <i>IET Control Theory and Applications</i> , 2011, 5, 1255-1263.	2.1	51

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73	Robust motion and force control of constrained manipulators by learning. Automatica, 1995, 31, 257-262.	5.0	50
74	Discrete-time robust backstepping adaptive control for nonlinear time-varying systems. IEEE Transactions on Automatic Control, 2000, 45, 1749-1755.	5.7	49
75	An extreme learning machine approach for speaker recognition. Neural Computing and Applications, 2013, 22, 417-425.	5.6	48
76	H/sub \hat{z} / reduced-order approximation of 2-D digital filters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 688-698.	0.1	47
77	Robust Neural Network Tracking Controller Using Simultaneous Perturbation Stochastic Approximation. IEEE Transactions on Neural Networks, 2008, 19, 817-835.	4.2	47
78	Building Occupancy Estimation with Environmental Sensors via CDBLSTM. IEEE Transactions on Industrial Electronics, 2017, 64, 9549-9559.	7.9	47
79	Robust discrete-time nonlinear sliding mode state estimation of uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2007, 17, 803-828.	3.7	45
80	Decentralized model reference adaptive control without restriction on subsystem relative degrees. IEEE Transactions on Automatic Control, 1999, 44, 1464-1469.	5.7	44
81	Guaranteed cost control for discrete-time linear systems under controller gain perturbations. Linear Algebra and Its Applications, 2000, 312, 161-180.	0.9	44
82	Determination of blur and affine combined invariants by normalization. Pattern Recognition, 2002, 35, 211-221.	8.1	44
83	Robust adaptive control of uncertain discrete-time systems. Automatica, 1999, 35, 321-329.	5.0	43
84	Group Greedy Method for Sensor Placement. IEEE Transactions on Signal Processing, 2019, 67, 2249-2262.	5.3	41
85	Robust stability of a class of hybrid nonlinear systems. IEEE Transactions on Automatic Control, 2001, 46, 897-903.	5.7	40
86	Decoupled current control and sensor fault detection with second-order sliding mode for induction motor. IET Control Theory and Applications, 2015, 9, 608-617.	2.1	40
87	Indoor localization using smartphone sensors and iBeacons. , 2015, , .		40
88	Machine learning based prediction of thermal comfort in buildings of equatorial Singapore. , 2017, , .		40
89	$\langle \text{mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbody="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	5.0	39
90	Robust Kalman filter design. , 0, , .		38

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91	Positive real control problem for uncertain linear time-invariant systems. Systems and Control Letters, 1995, 24, 265-271.	2.3	37
92	Robust control of linear systems with generalized positive real uncertainty. Automatica, 1997, 33, 963-967.	5.0	37
93	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2002, 33, 113-137.	3.4	37
94	Discrete-Time Sliding-Mode State and Unknown Input Estimations for Nonlinear Systems. IEEE Transactions on Industrial Electronics, 2009, 56, 3443-3452.	7.9	37
95	A Novel Reduced-Order Protocol for Consensus Control of Linear Multiagent Systems. IEEE Transactions on Automatic Control, 2019, 64, 3005-3012.	5.7	37
96	Improved measurement accuracy of the quadrant detector through improvement of linearity index. Applied Physics Letters, 2010, 96, .	3.3	36
97	A Bregman Splitting Scheme for Distributed Optimization Over Networks. IEEE Transactions on Automatic Control, 2018, 63, 3809-3824.	5.7	36
98	An on-chip liquid tunable grating using multiphase droplet microfluidics. Applied Physics Letters, 2008, 93, 164107.	3.3	34
99	A unified approach to linear estimation for discrete-time systems. I. H_2 estimation. , 0, , .		33
100	Adaptive control and synchronization for a class of nonlinear chaotic systems using partial system states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 79-84.	2.1	33
101	Integrated analysis of CFD data with K-means clustering algorithm and extreme learning machine for localized HVAC control. Applied Thermal Engineering, 2015, 76, 98-104.	6.0	33
102	Environmental Sensors-Based Occupancy Estimation in Buildings via IHMM-MLR. IEEE Transactions on Industrial Informatics, 2017, 13, 2184-2193.	11.3	32
103	Balancing indoor thermal comfort and energy consumption of ACMV systems via sparse swarm algorithms in optimizations. Energy and Buildings, 2017, 149, 1-15.	6.7	32
104	Occupancy estimation from environmental parameters using wrapper and hybrid feature selection. Applied Soft Computing Journal, 2017, 60, 482-494.	7.2	31
105	Optimal Kalman filtering with random sensor delays, packet dropouts and missing measurements. , 2009, , .		30
106	Multiple sliding mode observers and unknown input estimations for Lipschitz nonlinear systems. International Journal of Robust and Nonlinear Control, 2011, 21, 1322-1340.	3.7	30
107	Networked LQG control over unreliable channels. International Journal of Robust and Nonlinear Control, 2013, 23, 167-189.	3.7	30
108	A Dual Splitting Approach for Distributed Resource Allocation With Regularization. IEEE Transactions on Control of Network Systems, 2019, 6, 403-414.	3.7	30

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109	Filtering for networked control systems with single/multiple measurement packets subject to multiple-step measurement delays and multiple packet dropouts. <i>International Journal of Systems Science</i> , 2011, 42, 335-348.	5.5	29
110	Reset control for synchronization of multi-agent systems. <i>Automatica</i> , 2019, 104, 189-195.	5.0	29
111	Identification for systems with bounded noise. <i>IEEE Transactions on Automatic Control</i> , 1997, 42, 996-1001.	5.7	28
112	Robust Fault Diagnosis for a Class of Linear Systems with Uncertainty. <i>Journal of Guidance, Control, and Dynamics</i> , 1999, 22, 736-736.	2.8	28
113	Robustness of an adaptive backstepping controller without modification. <i>Systems and Control Letters</i> , 1999, 36, 87-100.	2.3	28
114	Integral quadratic constraint approach vs. multiplier approach. <i>Automatica</i> , 2005, 41, 281-287.	5.0	28
115	Analysis and improvement of Laguerre-Gaussian beam position estimation using quadrant detectors. <i>Optics Letters</i> , 2011, 36, 1692.	3.3	28
116	Design of low-order linear-phase IIR filters via orthogonal projection. <i>IEEE Transactions on Signal Processing</i> , 1999, 47, 448-457.	5.3	27
117	Risk-sensitive filtering, prediction and smoothing for discrete-time singular systems. <i>Automatica</i> , 2003, 39, 57-66.	5.0	27
118	All-fiber Fourier filter flat-top interleaver design with specified performance parameters. <i>Optical Engineering</i> , 2003, 42, 3172.	1.0	27
119	Efficient structure for optical interleavers using superimposed chirped fiber Bragg gratings. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 387-389.	2.5	27
120	Improved robust backstepping adaptive control for nonlinear discrete-time systems without overparameterization. <i>Automatica</i> , 2008, 44, 864-867.	5.0	27
121	High-gain observer with higher order sliding mode for state and unknown disturbance estimations. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2136-2151.	3.7	27
122	Real-time occupancy estimation using environmental parameters. , 2015, , .		27
123	A novel feature selection framework with Hybrid Feature-Scaled Extreme Learning Machine (HFS-ELM) for indoor occupancy estimation. <i>Energy and Buildings</i> , 2018, 158, 1139-1151.	6.7	26
124	Generalized edge theorem. <i>Systems and Control Letters</i> , 1989, 12, 219-224.	2.3	25
125	Robust stability of quasi-periodic hybrid dynamic uncertain systems. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 107-111.	5.7	25
126	Stability analysis of interval matrices-continuous and discrete systems. <i>International Journal of Control</i> , 1988, 47, 25-32.	1.9	24

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127	Improve performance of scanning probe microscopy by balancing tuning fork prongs. Ultramicroscopy, 2009, 109, 291-295.	1.9	24
128	Bayesian filtering for building occupancy estimation from carbon dioxide concentration. Energy and Buildings, 2020, 206, 109566.	6.7	24
129	Generalization of strong Kharitonov theorems to the left sector. IEEE Transactions on Automatic Control, 1990, 35, 1378-1382.	5.7	23
130	All-Fiber 3×3 Interleaver Design With Flat-Top Passband. IEEE Photonics Technology Letters, 2004, 16, 168-170.	2.5	23
131	Periodic event-triggered average consensus over directed graphs. , 2015, , .		23
132	L^2 optimal filter reduction: a closed-loop approach. IEEE Transactions on Signal Processing, 1998, 46, 11-20.	5.3	22
133	Numerical investigation of supercritical water flow in a vertical pipe under axially non-uniform heat flux. Progress in Nuclear Energy, 2017, 97, 11-25.	2.9	22
134	Occupancy estimation with environmental sensing via non-iterative LRF feature learning in time and frequency domains. Energy and Buildings, 2017, 141, 125-133.	6.7	22
135	Comparing occupancy models and data mining approaches for regular occupancy prediction in commercial buildings. Journal of Building Performance Simulation, 2017, 10, 545-553.	2.0	22
136	Distributed multi-task classification: a decentralized online learning approach. Machine Learning, 2018, 107, 727-747.	5.4	22
137	Sufficient conditions for almost sure stability of jump linear systems. IEEE Transactions on Automatic Control, 2000, 45, 1325-1329.	5.7	21
138	Speed Estimation and Nonmatched Time-Varying Parameter Identification for a DC Motor With Hybrid Sliding-Mode Observer. IEEE Transactions on Industrial Electronics, 2013, 60, 5539-5549.	7.9	21
139	Workload Factoring and Resource Sharing via Joint Vertical and Horizontal Cloud Federation Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 557-570.	14.0	21
140	Cooperative Output Regulation of Heterogeneous Linear Multi-Agent Networks via H_∞ Performance Allocation. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	21
141	Stability analysis of a family of matrices. IEEE Transactions on Automatic Control, 1990, 35, 1257-1259.	5.7	20
142	Dissipative control of linear discrete-time systems with dissipative uncertainty. International Journal of Control, 2000, 73, 317-328.	1.9	20
143	Synthesis of stable H_∞ controller via the chain scattering framework. Systems and Control Letters, 2002, 47, 121-127.	2.3	20
144	Distributed Parameter Estimation With Quantized Communication via Running Average. IEEE Transactions on Signal Processing, 2015, 63, 4634-4646.	5.3	20

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145	Generalized matrix measure of switched nonlinear systems. IEEE Transactions on Automatic Control, 2002, 47, 178-183.	5.7	19
146	On the choice of consistent canonical form during moment normalization. Pattern Recognition Letters, 2003, 24, 3205-3215.	4.2	19
147	On assuming Mean Radiant Temperature equal to air temperature during PMV-based thermal comfort study in air-conditioned buildings. , 2016, , .		19
148	Sensor and CFD data fusion for airflow field estimation. Applied Thermal Engineering, 2016, 92, 149-161.	6.0	19
149	Decentralized control of symmetric systems. Systems and Control Letters, 2001, 42, 145-149.	2.3	18
150	Blind Channel and Source Estimation in Networked Systems. IEEE Transactions on Signal Processing, 2014, 62, 4611-4626.	5.3	18
151	Global stabilization for constrained robot motions with constraint uncertainties. Robotica, 1998, 16, 171-179.	1.9	17
152	Near-field ellipsometry for thin film characterization. Optics Express, 2010, 18, 3298.	3.4	17
153	An Accurate Separation Estimation Algorithm for the Casimir Oscillator. Journal of Microelectromechanical Systems, 2010, 19, 1153-1161.	2.5	17
154	Robust Kalman Filter Design for Discrete Time-Delay Systems. Circuits, Systems, and Signal Processing, 2002, 21, 319-335.	2.0	16
155	Design of all-fiber optical interleavers with a given specification on passband ripples. Optics Communications, 2003, 226, 241-248.	2.1	16
156	Convergence and robustness of a discrete-time learning control scheme for constrained manipulators. Journal of Field Robotics, 1994, 11, 223-238.	0.7	15
157	Indirect closed-loop identification by optimal instrumental variable method. Automatica, 1997, 33, 2269-2271.	5.0	15
158	Stable controller synthesis for linear time-invariant systems. International Journal of Control, 2002, 75, 154-162.	1.9	15
159	Optimal and suboptimal minimum-variance filtering in networked systems with mixed uncertainties of random sensor delays, packet dropouts and missing measurements. International Journal of Control, Automation and Systems, 2010, 8, 1179-1188.	2.7	15
160	Envelope-constrained H2 FIR filter design. Circuits, Systems, and Signal Processing, 1999, 18, 539-551.	2.0	14
161	Robust H2 estimation and control. Journal of Control Theory and Applications, 2004, 2, 20-26.	0.8	14
162	A distributed simultaneous perturbation approach for large-scale dynamic optimization problems. Automatica, 2016, 72, 194-204.	5.0	14

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163	Root clustering of interval polynomials in the left-sector. <i>Systems and Control Letters</i> , 1989, 13, 239-245.	2.3	13
164	Optimal control of seismically-excited building structures. <i>Computers and Structures</i> , 2000, 74, 521-533.	4.4	13
165	Higher-Order Sliding Mode Observer for Speed and Position Estimation in PMSM. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.	1.1	13
166	Characterization of robust controllers. <i>Automatica</i> , 1989, 25, 115-117.	5.0	12
167	Control of uncertain discrete-time systems with guaranteed cost. , 0, , .		12
168	Stability of uncertain quasi-periodic hybrid dynamic systems. <i>International Journal of Control</i> , 2000, 73, 63-73.	1.9	12
169	Parameter optimization of an all-fiber Fourier filter flat-top interleaver. <i>Optical Engineering</i> , 2002, 41, 3217.	1.0	12
170	Simultaneous stabilization. <i>International Journal of Control</i> , 2004, 77, 111-117.	1.9	12
171	Robust information filter for decentralized estimation. <i>Automatica</i> , 2005, 41, 2141-2146.	5.0	12
172	Distributed Inference for Relay-Assisted Sensor Networks With Intermittent Measurements Over Fading Channels. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 742-756.	5.3	12
173	Two-stage indoor physical field reconstruction from sparse sensor observations. <i>Energy and Buildings</i> , 2017, 151, 548-563.	6.7	12
174	Envelope-constrained IIR filter design: An LMIH ? optimization approach. <i>Circuits, Systems, and Signal Processing</i> , 2000, 19, 205-220.	2.0	11
175	Flat-passband 3 /spl times/ 3 interleaving filter designed with optical directional couplers in lattice structure. <i>Journal of Lightwave Technology</i> , 2005, 23, 4349-4362.	4.6	11
176	Performance improvement and wavelength reuse in millimeter-wave radio-over-fiber links incorporating all-fiber optical interleaver. <i>Optics Communications</i> , 2008, 281, 2572-2581.	2.1	11
177	PARTIAL STATE IMPULSIVE SYNCHRONIZATION OF A CLASS OF NONLINEAR SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 387-393.	1.7	11
178	Optical coherence tomography by using frequency measurements in wavelength domain. <i>Optics Express</i> , 2011, 19, 1324.	3.4	11
179	Robust H_{∞} Receding Horizon Control for a Class of Coordinated Control Problems Involving Dynamically Decoupled Subsystems. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 134-149.	5.7	11
180	Optimal and self-tuning deconvolution in time domain. <i>IEEE Transactions on Signal Processing</i> , 1999, 47, 2253-2261.	5.3	10

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181	Synthesis of simultaneous stabilizing H ∞ Controller controller. International Journal of Control, 2005, 78, 1437-1446.	1.9	10
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183	An information-theoretic fuzzy C-spherical shells clustering algorithm. Fuzzy Sets and Systems, 2010, 161, 1755-1773.	2.7	10
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