

Antonis Papachristodoulou

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.

188
papers

3,063
citations

29
h-index

46
g-index

205
ext. papers

3,760
ext. citations

4.2
avg, IF

5.77
L-index

#	Paper	IF	Citations
188	Genome-Scale Metabolic Modelling of Lifestyle Changes in <i>Rhizobium leguminosarum</i> .. <i>MSystems</i> , 2022 , e0097521	7.6	0
187	Decomposed structured subsets for semidefinite and sum-of-squares optimization. <i>Automatica</i> , 2022 , 137, 110125	5.7	0
186	On the exact feasibility of convex scenario programs with discarded constraints. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	0
185	Block Factor-width-two Matrices and Their Applications to Semidefinite and Sum-of-squares Optimization. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	0
184	Dichotomous feedback: a signal sequestration-based feedback mechanism for biocontroller design.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20210737	4.1	0
183	Biomolecular mechanisms for signal differentiation.. <i>IScience</i> , 2021 , 24, 103462	6.1	1
182	Chordal and factor-width decompositions for scalable semidefinite and polynomial optimization. <i>Annual Reviews in Control</i> , 2021 ,	10.3	4
181	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 413-420	5.9	8
180	State-feedback design for nonlinear saturating systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	0
179	Control Reconfiguration of Dynamical Systems for Improved Performance via Reverse- and Forward-engineering. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	
178	Multiple sensors provide spatiotemporal oxygen regulation of gene expression in a <i>Rhizobium</i> -legume symbiosis. <i>PLoS Genetics</i> , 2021 , 17, e1009099	6	8
177	Metabolic control of nitrogen fixation in <i>rhizobium</i> -legume symbioses. <i>Science Advances</i> , 2021 , 7,	14.3	10
176	Subgradient averaging for multi-agent optimisation with different constraint sets. <i>Automatica</i> , 2021 , 131, 109738	5.7	1
175	Control Reconfiguration for Improved Performance via Reverse-engineering and Forward-engineering. <i>IFAC-PapersOnLine</i> , 2020 , 53, 4688-4694	0.7	1
174	Decomposed Structured Subsets for Semidefinite Optimization. <i>IFAC-PapersOnLine</i> , 2020 , 53, 7374-7379.	0.7	1
173	Control Reconfiguration of Cyber-physical Systems for Improved Performance via Reverse-engineering and Accelerated First-order Algorithms 2020 ,		1
172	On the Existence of Block-Diagonal Solutions to Lyapunov and $\{\mathcal{H}\}_\infty$ Riccati Inequalities. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3170-3175	5.9	4

171	The effect of spatiotemporal antibiotic inhomogeneities on the evolution of resistance. <i>Journal of Theoretical Biology</i> , 2020 , 486, 110077	2.3	2
170	Sparsity Invariance for Convex Design of Distributed Controllers. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1836-1847	4	6
169	In situ characterisation and manipulation of biological systems with Chi.Bio. <i>PLoS Biology</i> , 2020 , 18, e3000794	9.7	9
168	Distributed Design for Decentralized Control Using Chordal Decomposition and ADMM. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 614-626	4	6
167	Chordal decomposition in operator-splitting methods for sparse semidefinite programs. <i>Mathematical Programming</i> , 2020 , 180, 489-532	2.1	22
166	Mitigating Biological Signalling Cross-talk with Feedback Control 2019 ,		2
165	Low-Burden Biological Feedback Controllers for Near-Perfect Adaptation. <i>ACS Synthetic Biology</i> , 2019 , 8, 2212-2219	5.7	2
164	On Separable Quadratic Lyapunov Functions for Convex Design of Distributed Controllers 2019 ,		5
163	Development of Aspirin-Inducible Biosensors in and SimCells. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	13
162	Developing a graduate training program in Synthetic Biology: SynBioCDT. <i>Synthetic Biology</i> , 2019 , 4, ysz006	3.3	4
161	2019 , 3, 1014-1019		10
160	A framework for input/output analysis of wall-bounded shear flows. <i>Journal of Fluid Mechanics</i> , 2019 , 873, 742-785	3.7	8
159	Block Factor-Width-Two Matrices in Semidefinite Programming 2019 ,		2
158	Convergence rate analysis of a subgradient averaging algorithm for distributed optimisation with different constraint sets 2019 ,		2
157	Chordal Decomposition in Rank Minimized Semidefinite Programs with Applications to Subspace Clustering 2019 ,		1
156	Sparse sum-of-squares (SOS) optimization: A bridge between DSOS/SDSOS and SOS optimization for sparse polynomials 2019 ,		8
155	Fast ADMM for Sum-of-Squares Programs Using Partial Orthogonality. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 3869-3876	5.9	9
154	Improving Orthogonality in Two-Component Biological Signalling Systems Using Feedback Control 2019 , 3, 326-331		3

153	. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 807-817	4	7
152	A Dynamic Model of Resource Allocation in Response to the Presence of a Synthetic Construct. <i>ACS Synthetic Biology</i> , 2018 , 7, 1201-1210	5.7	11
151	Scalable Design of Structured Controllers Using Chordal Decomposition. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 752-767	5.9	19
150	2018 , 2, 779-784		2
149	Adaptive pulse width modulation design for power converters based on affine switched systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2018 , 30, 306-322	4.5	11
148	Distributed Control for Reaching Optimal Steady State in Network Systems: An Optimization Approach. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 864-871	5.9	16
147	Scalable analysis of linear networked systems via chordal decomposition 2018 ,		6
146	Decomposition and Completion of Sum-of-Squares Matrices 2018 ,		3
145	Decomposition Methods for Large-Scale Semidefinite Programs with Chordal Aggregate Sparsity and Partial Orthogonality. <i>Lecture Notes in Mathematics</i> , 2018 , 33-55	0.4	1
144	Synthetic negative feedback circuits using engineered small RNAs. <i>Nucleic Acids Research</i> , 2018 , 46, 9875-9889	4.0	40
143	Probing Intercell Variability Using Bulk Measurements. <i>ACS Synthetic Biology</i> , 2018 , 7, 1528-1537	5.7	
142	Density Flow in Dynamical Networks via Mean-Field Games. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1342-1355	5.9	10
141	A Synthetic Recombinase-Based Feedback Loop Results in Robust Expression. <i>ACS Synthetic Biology</i> , 2017 , 6, 1663-1671	5.7	22
140	Delineating parameter unidentifiabilities in complex models. <i>Physical Review E</i> , 2017 , 95, 032314	2.4	15
139	sbml-diff: A Tool for Visually Comparing SBML Models in Synthetic Biology. <i>ACS Synthetic Biology</i> , 2017 , 6, 1225-1229	5.7	2
138	The Interplay between Feedback and Buffering in Cellular Homeostasis. <i>Cell Systems</i> , 2017 , 5, 498-508.e23	6.6	13
137	Safety verification for distributed parameter systems using barrier functionals. <i>Systems and Control Letters</i> , 2017 , 108, 33-39	2.4	12
136	Ribo-attenuators: novel elements for reliable and modular riboswitch engineering. <i>Scientific Reports</i> , 2017 , 7, 4599	4.9	11

135	Optimization With Affine Homogeneous Quadratic Integral Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 6221-6236	5.9	6
134	Exploiting Sparsity in the Coefficient Matching Conditions in Sum-of-Squares Programming Using ADMM 2017 , 1, 80-85		13
133	Challenges at the interface of control engineering and synthetic biology 2017 ,		4
132	Fast ADMM for homogeneous self-dual embedding of sparse SDPs * *Y. Zheng and G. Fantuzzi contributed equally to this work. Y. Zheng is supported by the Clarendon Scholarship and the Jason Hu Scholarship.. <i>IFAC-PapersOnLine</i> , 2017 , 50, 8411-8416	0.7	7
131	Feedback Control and Synthetic Biology: Constraints on Design. <i>IFAC-PapersOnLine</i> , 2017 , 50, 10932-10937		7
130	Improving efficiency and scalability of sum of squares optimization: Recent advances and limitations 2017 ,		11
129	The autorepressor: A case study of the importance of model selection 2017 ,		4
128	Block-diagonal solutions to Lyapunov inequalities and generalisations of diagonal dominance 2017 ,		8
127	Frequency domain analysis of small non-coding RNAs shows summing junction-like behaviour 2017 ,		5
126	Fast ADMM for semidefinite programs with chordal sparsity 2017 ,		19
125	On the performance of nonlinear dynamical systems under parameter perturbation. <i>Automatica</i> , 2016 , 63, 265-273	5.7	4
124	Stability Analysis for a Class of Partial Differential Equations via Semidefinite Programming. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1649-1654	5.9	29
123	Dissipation inequalities for the analysis of a class of PDEs. <i>Automatica</i> , 2016 , 66, 163-171	5.7	31
122	Real-time active and reactive power regulation in power systems with tap-changing transformers and controllable loads. <i>Sustainable Energy, Grids and Networks</i> , 2016 , 5, 27-38	3.6	10
121	Structural Identifiability of Dynamic Systems Biology Models. <i>PLoS Computational Biology</i> , 2016 , 12, e1005153	11.0	110
120	A chordal decomposition approach to scalable design of structured feedback gains over directed graphs 2016 ,		4
119	Structural Identifiability Analysis via Extended Observability and Decomposition. <i>IFAC-PapersOnLine</i> , 2016 , 49, 171-177	0.7	4
118	An optimization-based method for bounding state functionals of nonlinear stochastic systems 2016 ,		5

117	Quantification of Interactions between Dynamic Cellular Network Functionalities by Cascaded Layering. <i>PLoS Computational Biology</i> , 2015 , 11, e1004235	5	6
116	Designing Genetic Feedback Controllers. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015 , 9, 475-84	5.1	26
115	Designing Conservation Relations in Layered Synthetic Biomolecular Networks. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015 , 9, 572-80	5.1	5
114	Improving the Performance of Network Congestion Control Algorithms. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 522-527	5.9	13
113	Piecewise polynomial policy iterations for synthesis of optimal control laws in input-saturated systems 2015 ,		1
112	A convex approach to hydrodynamic analysis 2015 ,		4
111	Barrier functionals for output functional estimation of PDEs 2015 ,		5
110	A real-time control framework for smart power networks: Design methodology and stability. <i>Automatica</i> , 2015 , 58, 43-50	5.7	60
109	Convex solutions to integral inequalities in two-dimensional domains 2015 ,		5
108	Introducing INTSOSTOOLS: A SOSTOOLS plug-in for integral inequalities 2015 ,		4
107	Simplified mechanistic models of gene regulation for analysis and design. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20150312	4.1	17
106	Distributed optimal steady-state control using reverse- and forward-engineering 2015 ,		15
105	Achieving real-time economic dispatch in power networks via a saddle point design approach 2015 ,		21
104	Advances in computational Lyapunov analysis using sum-of-squares programming. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015 , 20, 2361-2381	1.3	28
103	Convex Design Control for Practical Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1692-1705	5.9	19
102	2014 ,		5
101	A distributed PID controller for network congestion control problems 2014 ,		8
100	Engineering a Genetic Oscillator Using Delayed Feedback. <i>Advances in Delays and Dynamics</i> , 2014 , 389-402		1

99	Layered decomposition for the model order reduction of timescale separated biochemical reaction networks. <i>Journal of Theoretical Biology</i> , 2014 , 356, 113-22	2.3	27
98	Density flow over networks: A mean-field game theoretic approach 2014 ,		2
97	Distributed dynamic feedback control for smart power networks with tree topology 2014 ,		15
96	Semi-definite programming and functional inequalities for distributed parameter systems 2014 ,		11
95	Redesigning generation control in power systems: Methodology, stability and delay robustness 2014 ,		8
94	Chordal sparsity, decomposing SDPs and the Lyapunov equation 2014 ,		14
93	2014 ,		7
92	Input-output analysis of distributed parameter systems using convex optimization 2014 ,		12
91	Robust nonlinear stability and performance analysis of an F/A-18 aircraft model using sum of squares programming. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 1099-1114	3.6	16
90	Tuning the dials of Synthetic Biology. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 1236-1253	2.9	78
89	Analysis and control design of sustainable policies for greenhouse gas emissions. <i>Applied Thermal Engineering</i> , 2013 , 53, 420-431	5.8	14
88	Algorithmic Construction of Lyapunov Functions for Power System Stability Analysis. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 2533-2546	3.9	75
87	Generalised absolute stability and sum of squares. <i>Automatica</i> , 2013 , 49, 960-967	5.7	22
86	A single phosphatase can convert a robust step response into a graded, tunable or adaptive response. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 1276-1285	2.9	14
85	A real-time control framework for smart power networks with star topology 2013 ,		11
84	Layering in networks: The case of biochemical systems 2013 ,		6
83	Model Invalidation 2013 , 1395-1398		
82	Guaranteed error bounds for structured complexity reduction of biochemical networks. <i>Journal of Theoretical Biology</i> , 2012 , 304, 172-82	2.3	19

81	Frequency synchronization and phase agreement in Kuramoto oscillator networks with delays. <i>Automatica</i> , 2012 , 48, 3008-3017	5.7	30
80	Delay Robustness in Non-Identical Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1597-1603	5.9	76
79	A Decomposition Technique for Nonlinear Dynamical System Analysis. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1516-1521	5.9	42
78	A Converse Sum of Squares Lyapunov Result With a Degree Bound. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2281-2293	5.9	30
77	An invariance principle for time-varying systems 2012 ,		2
76	Using economic Model Predictive Control to design sustainable policies for mitigating climate change 2012 ,		11
75	A loop shaping approach for designing biological circuits 2012 ,		5
74	Engineering and ethical perspectives in synthetic biology. Rigorous, robust and predictable designs, public engagement and a modern ethical framework are vital to the continued success of synthetic biology. <i>EMBO Reports</i> , 2012 , 13, 584-90	6.5	41
73	Modelling channel flow over riblets: Calculating the energy amplification 2012 ,		1
72	2011 ,		3
71	Robust Consensus Controller Design for Nonlinear Relative Degree Two Multi-Agent Systems With Communication Constraints. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 145-151	5.9	76
70	Clinical correlation of nitric oxide levels with acute rejection in renal transplantation. <i>International Urology and Nephrology</i> , 2011 , 43, 883-90	2.3	6
69	Consensus in Multi-Agent Systems With Coupling Delays and Switching Topology. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2976-2982	5.9	142
68	A model for using control theory to design sustainable policies for greenhouse gas emissions 2011 ,		4
67	Energy amplification in channel flow over riblets 2011 ,		1
66	A linear multi-agent systems approach to diffusively coupled piecewise affine systems: Delay robustness 2011 ,		1
65	Congestion control and its stability in networks with delay sensitive traffic. <i>Computer Networks</i> , 2011 , 55, 20-32	5.4	17
64	Model decomposition and reduction tools for large-scale networks in systems biology. <i>Automatica</i> , 2011 , 47, 1165-1174	5.7	66

63	Optimal harvesting of fish stocks under a time-varying discount rate. <i>Journal of Theoretical Biology</i> , 2011 , 269, 166-73	2.3	13
62	Amplification and nonlinear mechanisms in plane Couette flow. <i>Physics of Fluids</i> , 2011 , 23, 065108	4.4	13
61	Generalised absolute stability and Sum of Squares 2011 ,		4
60	2011 ,		1
59	A structured model reduction method for large scale networks 2011 ,		4
58	Feedback control architecture of the R. sphaeroides chemotaxis network 2011 ,		2
57	Dynamical system decomposition using dissipation inequalities 2011 ,		5
56	Structured sum of squares for networked systems analysis 2011 ,		2
55	Feedback control architecture and the bacterial chemotaxis network. <i>PLoS Computational Biology</i> , 2011 , 7, e1001130	5	14
54	Robust Rendezvous of Heterogeneous Euler-Lagrange Systems on Packet-Switched Networks Robustes Rendezvous von heterogenen Euler-Lagrange Systemen mithilfe paketvermittelnder Netzwerke. <i>Automatisierungstechnik</i> , 2010 , 58,	0.8	3
53	Dynamical system decomposition for efficient, sparse analysis 2010 ,		8
52	A converse sum-of-squares Lyapunov result: An existence proof based on the Picard iteration 2010 ,		11
51	VVAF - Worst case & safety analysis tools for autonomous rendezvous system 2010 ,		1
50	A streamwise constant model of turbulence in plane Couette flow. <i>Journal of Fluid Mechanics</i> , 2010 , 665, 99-119	3.7	25
49	Adaptation and control circuits in bacterial chemotaxis. <i>Biochemical Society Transactions</i> , 2010 , 38, 1265-9.1	9.1	21
48	Effects of Delay in Multi-Agent Consensus and Oscillator Synchronization. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1471-1477	5.9	129
47	Structured model reduction for dynamical networked systems 2010 ,		4
46	A network decomposition approach for efficient sum of squares programming based analysis 2010 ,		11

45	Delay Robustness of Nonlinear Internet Congestion Control Schemes. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1421-1427	5.9	13
44	Behavioural Economics, Hyperbolic Discounting and Environmental Policy. <i>Environmental and Resource Economics</i> , 2010 , 46, 189-206	4.4	32
43	Delay robustness in consensus problems. <i>Automatica</i> , 2010 , 46, 1252-1265	5.7	185
42	Discriminating between rival biochemical network models: three approaches to optimal experiment design. <i>BMC Systems Biology</i> , 2010 , 4, 38	3.5	35
41	Consensus reaching in multi-agent packet-switched networks with non-linear coupling. <i>International Journal of Control</i> , 2009 , 82, 953-969	1.5	47
40	On validation and invalidation of biological models. <i>BMC Bioinformatics</i> , 2009 , 10, 132	3.6	48
39	A model invalidation-based approach for elucidating biological signalling pathways, applied to the chemotaxis pathway in <i>R. sphaeroides</i> . <i>BMC Systems Biology</i> , 2009 , 3, 105	3.5	17
38	Efficient, sparse biological network determination. <i>BMC Systems Biology</i> , 2009 , 3, 25	3.5	25
37	Analysis of Polynomial Systems With Time Delays via the Sum of Squares Decomposition. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1058-1064	5.9	28
36	Generalized Nyquist consensus condition for high-order linear multi-agent systems with communication delays 2009 ,		15
35	A new computational tool for establishing model parameter identifiability. <i>Journal of Computational Biology</i> , 2009 , 16, 875-85	1.7	14
34	Positive Forms and Stability of Linear Time-Delay Systems. <i>SIAM Journal on Control and Optimization</i> , 2009 , 47, 3237-3258	1.9	62
33	Robust Stability Analysis of Nonlinear Hybrid Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1035-1041	5.9	33
32	Generalized Nyquist Consensus Condition for Linear Multi Agent Systems with Heterogeneous Delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 24-29		2
31	Inverses of Positive Linear Operators and State Feedback Design for Time-Delay Systems*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 278-283		5
30	Output Consensus Controller Design for Nonlinear Relative Degree One Multi-Agent Systems with Delays*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 370-375		1
29	SOS for Nonlinear Delayed Models in Biology and Networking. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 133-143	0.5	
28	Determining interconnections in biochemical networks using linear programming 2008 ,		1

27	Stability of congestion control schemes with delay sensitive traffic 2008 ,		1
26	Using polynomial semi-separable kernels to construct infinite-dimensional Lyapunov functions 2008 ,		2
25	Delay-dependent rendezvous and flocking of large scale multi-agent systems with communication delays 2008 ,		33
24	Nonlinear Multi-Agent System Consensus with Time-Varying Delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 1522-1527		14
23	A Nonlinear Hybrid Life Support System: Dynamic Modeling, Control Design, and Safety Verification. <i>IEEE Transactions on Control Systems Technology</i> , 2007 , 15, 1003-1017	4.8	11
22	Positivity of kernel functions for systems with communication delay 2007 ,		2
21	Determining Interconnections in Chemical Reaction Networks. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	11
20	Algorithms for Discriminating Between Biochemical Reaction Network Models: Towards Systematic Experimental Design. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	3
19	Stability analysis of linear systems with time-varying delays: Delay uncertainty and quenching 2007 ,		21
18	Multi-agent system consensus in packet-switched networks 2007 ,		2
17	On the Analysis of Systems Described by Classes of Partial Differential Equations 2006 ,		25
16	Synchronization in Oscillator Networks with Heterogeneous Delays, Switching Topologies and Nonlinear Dynamics 2006 ,		31
15	Positive Forms and Stability of Linear Time-Delay Systems 2006 ,		18
14	Advanced Methods and Algorithms for Biological Networks Analysis. <i>Proceedings of the IEEE</i> , 2006 , 94, 832-853	14.3	43
13	SOSTOOLS and Its Control Applications. <i>Lecture Notes in Control and Information Sciences</i> , 2005 , 273-292	0.5	53
12	Analysis of Non-polynomial Systems Using the Sum of Squares Decomposition. <i>Lecture Notes in Control and Information Sciences</i> , 2005 , 23-43	0.5	90
11	Safety Verification of Controlled Advanced Life Support System Using Barrier Certificates. <i>Lecture Notes in Computer Science</i> , 2005 , 306-321	0.9	3
10	Methodological frameworks for large-scale network analysis and design. <i>Computer Communication Review</i> , 2004 , 34, 7-20	1.4	15

9	Synchronization in Oscillator Networks: Switching Topologies and Non-homogeneous Delays	51
8	Robust Stabilization of Nonlinear Time Delay Systems Using Convex Optimization	13
7	Robust Stability and Performance Analysis of a Longitudinal Aircraft Model Using Sum of Squares Techniques	3
6	The Interplay Between Feedback and Buffering in Homeostasis. <i>SSRN Electronic Journal</i> ,	1 1
5	Design of a Synthetic sRNA-based Feedback Filter Module	2
4	A multi-sensor system provides spatiotemporal oxygen regulation of gene expression in a Rhizobium-legume symbiosis	1
3	Chi.Bio: An open-source automated experimental platform for biological science research	1
2	Synthetic negative feedback circuits using engineered small RNAs	1
1	Dichotomous Feedback: A Signal Sequestration-based Feedback Mechanism for Biocontroller Design	1