Antonis Papachristodoulou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4102990/publications.pdf

Version: 2024-02-01

196	4,307	147726	175177
papers	citations	31 h-index	52 g-index

205	205	205	3152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Delay robustness in consensus problems. Automatica, 2010, 46, 1252-1265.	3.0	239
2	Consensus in Multi-Agent Systems With Coupling Delays and Switching Topology. IEEE Transactions on Automatic Control, 2011, 56, 2976-2982.	3.6	191
3	Structural Identifiability of Dynamic Systems Biology Models. PLoS Computational Biology, 2016, 12, e1005153.	1.5	181
4	Effects of Delay in Multi-Agent Consensus and Oscillator Synchronization. IEEE Transactions on Automatic Control, 2010, 55, 1471-1477.	3.6	168
5	Analysis of Non-polynomial Systems Using the Sum of Squares Decomposition. Lecture Notes in Control and Information Sciences, 0, , 23-43.	0.6	125
6	Algorithmic Construction of Lyapunov Functions for Power System Stability Analysis. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2533-2546.	3.5	113
7	Robust Consensus Controller Design for Nonlinear Relative Degree Two Multi-Agent Systems With Communication Constraints. IEEE Transactions on Automatic Control, 2011, 56, 145-151.	3.6	99
8	Delay Robustness in Non-Identical Multi-Agent Systems. IEEE Transactions on Automatic Control, 2012, 57, 1597-1603.	3.6	95
9	Tuning the dials of Synthetic Biology. Microbiology (United Kingdom), 2013, 159, 1236-1253.	0.7	87
10	Positive Forms and Stability of Linear Time-Delay Systems. SIAM Journal on Control and Optimization, 2009, 47, 3237-3258.	1.1	78
11	SOSTOOLS and Its Control Applications. Lecture Notes in Control and Information Sciences, 0, , 273-292.	0.6	77
12	Model decomposition and reduction tools for large-scale networks in systems biology. Automatica, 2011, 47, 1165-1174.	3.0	77
13	Synchronization in Oscillator Networks: Switching Topologies and Non-homogeneous Delays. , 0, , .		75
14	A real-time control framework for smart power networks: Design methodology and stability. Automatica, 2015, 58, 43-50.	3.0	72
15	Synthetic negative feedback circuits using engineered small RNAs. Nucleic Acids Research, 2018, 46, 9875-9889.	6.5	70
16	On validation and invalidation of biological models. BMC Bioinformatics, 2009, 10, 132.	1.2	60
17	Consensus reaching in multi-agent packet-switched networks with non-linear coupling. International Journal of Control, 2009, 82, 953-969.	1.2	57
18	Advanced Methods and Algorithms for Biological Networks Analysis. Proceedings of the IEEE, 2006, 94, 832-853.	16.4	54

#	Article	IF	Citations
19	Delay-dependent rendezvous and flocking of large scale multi-agent systems with communication delays. , 2008, , .		51
20	Robust Stability Analysis of Nonlinear Hybrid Systems. IEEE Transactions on Automatic Control, 2009, 54, 1035-1041.	3.6	50
21	Engineering and ethical perspectives in synthetic biology. EMBO Reports, 2012, 13, 584-590.	2.0	49
22	A Decomposition Technique for Nonlinear Dynamical System Analysis. IEEE Transactions on Automatic Control, 2012, 57, 1516-1521.	3.6	49
23	Advances in computational Lyapunov analysis using sum-of-squares programming. Discrete and Continuous Dynamical Systems - Series B, 2015, 20, 2361-2381.	0.5	49
24	Synchonization in Oscillator Networks with Heterogeneous Delays, Switching Topologies and Nonlinear Dynamics. , 2006, , .		47
25	Discriminating between rival biochemical network models: three approaches to optimal experiment design. BMC Systems Biology, 2010, 4, 38.	3.0	47
26	Behavioural Economics, Hyperbolic Discounting and Environmental Policy. Environmental and Resource Economics, 2010, 46, 189-206.	1.5	46
27	Stability Analysis for a Class of Partial Differential Equations via Semidefinite Programming. IEEE Transactions on Automatic Control, 2016, 61, 1649-1654.	3.6	44
28	Metabolic control of nitrogen fixation in rhizobium-legume symbioses. Science Advances, 2021, 7, .	4.7	44
29	Frequency synchronization and phase agreement in Kuramoto oscillator networks with delays. Automatica, 2012, 48, 3008-3017.	3.0	41
30	Chordal decomposition in operator-splitting methods for sparse semidefinite programs. Mathematical Programming, 2020, 180, 489-532.	1.6	41
31	Analysis of Polynomial Systems With Time Delays via the Sum of Squares Decomposition. IEEE Transactions on Automatic Control, 2009, 54, 1058-1064.	3.6	40
32	Efficient, sparse biological network determination. BMC Systems Biology, 2009, 3, 25.	3.0	39
33	Dissipation inequalities for the analysis of a class of PDEs. Automatica, 2016, 66, 163-171.	3.0	37
34	Layered decomposition for the model order reduction of timescale separated biochemical reaction networks. Journal of Theoretical Biology, 2014, 356, 113-122.	0.8	35
35	Designing Genetic Feedback Controllers. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 475-484.	2.7	35
36	Stability analysis of linear systems with time-varying delays: Delay uncertainty and quenching. , 2007, , .		34

#	Article	IF	Citations
37	On the Analysis of Systems Described by Classes of Partial Differential Equations. , 2006, , .		33
38	A Converse Sum of Squares Lyapunov Result With a Degree Bound. IEEE Transactions on Automatic Control, 2012, 57, 2281-2293.	3.6	33
39	In situ characterisation and manipulation of biological systems with Chi.Bio. PLoS Biology, 2020, 18, e3000794.	2.6	32
40	Scalable Design of Structured Controllers Using Chordal Decomposition. IEEE Transactions on Automatic Control, 2018, 63, 752-767.	3.6	30
41	An Inputâ€“Output Parametrization of Stabilizing Controllers: Amidst Youla and System Level Synthesis. , 2019, 3, 1014-1019.		30
42	A streamwise constant model of turbulence in plane Couette flow. Journal of Fluid Mechanics, 2010, 665, 99-119.	1.4	29
43	A Synthetic Recombinase-Based Feedback Loop Results in Robust Expression. ACS Synthetic Biology, 2017, 6, 1663-1671.	1.9	28
44	Positive Forms and Stability of Linear Time-Delay Systems. , 2006, , .		27
45	The Interplay between Feedback and Buffering in Cellular Homeostasis. Cell Systems, 2017, 5, 498-508.e23.	2.9	27
46	Achieving real-time economic dispatch in power networks via a saddle point design approach. , 2015, , .		26
47	Delineating parameter unidentifiabilities in complex models. Physical Review E, 2017, 95, 032314.	0.8	26
48	Fast ADMM for semidefinite programs with chordal sparsity. , 2017, , .		25
49	Distributed Control for Reaching Optimal Steady State in Network Systems: An Optimization Approach. IEEE Transactions on Automatic Control, 2018, 63, 864-871.	3.6	25
50	Delay Robustness of Nonlinear Internet Congestion Control Schemes. IEEE Transactions on Automatic Control, 2010, 55, 1421-1427.	3.6	24
51	Guaranteed error bounds for structured complexity reduction of biochemical networks. Journal of Theoretical Biology, 2012, 304, 172-182.	0.8	24
52	Convex Design Control for Practical Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1692-1705.	3.6	24
53	Adaptive pulse width modulation design for power converters based on affine switched systems. Nonlinear Analysis: Hybrid Systems, 2018, 30, 306-322.	2.1	24
54	Generalised absolute stability and sum of squares. Automatica, 2013, 49, 960-967.	3.0	23

#	Article	IF	Citations
55	Adaptation and control circuits in bacterial chemotaxis. Biochemical Society Transactions, 2010, 38, 1265-1269.	1.6	22
56	Distributed optimal steady-state control using reverse- and forward-engineering. , 2015, , .		21
57	Multiple sensors provide spatiotemporal oxygen regulation of gene expression in a Rhizobium-legume symbiosis. PLoS Genetics, 2021, 17, e1009099.	1.5	21
58	Methodological frameworks for large-scale network analysis and design. Computer Communication Review, 2004, 34, 7-20.	1.5	20
59	Determining Interconnections in Chemical Reaction Networks. Proceedings of the American Control Conference, 2007, , .	0.0	20
60	Nonlinear Multi-Agent System Consensus with Time-Varying Delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 1522-1527.	0.4	20
61	Congestion control and its stability in networks with delay sensitive traffic. Computer Networks, 2011, 55, 20-32.	3.2	20
62	Feedback Control Architecture and the Bacterial Chemotaxis Network. PLoS Computational Biology, 2011, 7, e1001130.	1.5	20
63	Robust nonlinear stability and performance analysis of an F/Aâ€18 aircraft model using sum of squares programming. International Journal of Robust and Nonlinear Control, 2013, 23, 1099-1114.	2.1	20
64	Chordal sparsity, decomposing SDPs and the Lyapunov equation. , 2014, , .		20
65	Simplified mechanistic models of gene regulation for analysis and design. Journal of the Royal Society Interface, 2015, 12, 20150312.	1.5	20
66	Robust Stabilization of Nonlinear Time Delay Systems Using Convex Optimization. , 0, , .		19
67	Generalized Nyquist consensus condition for high-order linear multi-agent systems with communication delays. , 2009, , .		18
68	Distributed dynamic feedback control for smart power networks with tree topology. , 2014, , .		18
69	On the Equivalence of Youla, System-Level, and Inputâ€“Output Parameterizations. IEEE Transactions on Automatic Control, 2021, 66, 413-420.	3.6	18
70	A model invalidation-based approach for elucidating biological signalling pathways, applied to the chemotaxis pathway in R. sphaeroides. BMC Systems Biology, 2009, 3, 105.	3.0	17
71	A New Computational Tool for Establishing Model Parameter Identifiability. Journal of Computational Biology, 2009, 16, 875-885.	0.8	17
72	Optimal harvesting of fish stocks under a time-varying discount rate. Journal of Theoretical Biology, 2011, 269, 166-173.	0.8	17

#	Article	IF	Citations
73	Analysis and control design of sustainable policies for greenhouse gas emissions. Applied Thermal Engineering, 2013, 53, 420-431.	3.0	17
74	A real-time control framework for smart power networks with star topology. , 2013, , .		17
75	Safety verification for distributed parameter systems using barrier functionals. Systems and Control Letters, 2017, 108, 33-39.	1.3	17
76	Exploiting Sparsity in the Coefficient Matching Conditions in Sum-of-Squares Programming Using ADMM. , 2017, 1, 80-85.		17
77	Development of Aspirin-Inducible Biosensors in Escherichia coli and SimCells. Applied and Environmental Microbiology, 2019, 85, .	1.4	17
78	Sparsity Invariance for Convex Design of Distributed Controllers. IEEE Transactions on Control of Network Systems, 2020, 7, 1836-1847.	2.4	17
79	Chordal and factor-width decompositions for scalable semidefinite and polynomial optimization. Annual Reviews in Control, 2021, 52, 243-279.	4.4	17
80	Semi-definite programming and functional inequalities for distributed parameter systems. , 2014, , .		16
81	Input-output analysis of distributed parameter systems using convex optimization. , 2014, , .		16
82	Improving the Performance of Network Congestion Control Algorithms. IEEE Transactions on Automatic Control, 2015, 60, 522-527.	3.6	16
83	Improving efficiency and scalability of sum of squares optimization: Recent advances and limitations. , 2017, , .		16
84	Amplification and nonlinear mechanisms in plane Couette flow. Physics of Fluids, 2011, 23, 065108.	1.6	15
85	A single phosphatase can convert a robust step response into a graded, tunable or adaptive response. Microbiology (United Kingdom), 2013, 159, 1276-1285.	0.7	15
86	A Dynamic Model of Resource Allocation in Response to the Presence of a Synthetic Construct. ACS Synthetic Biology, 2018, 7, 1201-1210.	1.9	15
87	A network decomposition approach for efficient sum of squares programming based analysis. , 2010, , .		14
88	A Nonlinear Hybrid Life Support System: Dynamic Modeling, Control Design, and Safety Verification. IEEE Transactions on Control Systems Technology, 2007, 15, 1003-1017.	3.2	13
89	Real-time active and reactive power regulation in power systems with tap-changing transformers and controllable loads. Sustainable Energy, Grids and Networks, 2016, 5, 27-38.	2.3	13
90	A framework for inputâ€“output analysis of wall-bounded shear flows. Journal of Fluid Mechanics, 2019, 873, 742-785.	1.4	13

#	Article	IF	Citations
91	Fast ADMM for Sum-of-Squares Programs Using Partial Orthogonality. IEEE Transactions on Automatic Control, 2019, 64, 3869-3876.	3.6	13
92	A converse sum-of-squares Lyapunov result: An existence proof based on the Picard iteration. , 2010, , .		12
93	Using economic Model Predictive Control to design sustainable policies for mitigating climate change. , 2012, , .		12
94	Ribo-attenuators: novel elements for reliable and modular riboswitch engineering. Scientific Reports, 2017, 7, 4599.	1.6	12
95	Reprogramming Synthetic Cells for Targeted Cancer Therapy. ACS Synthetic Biology, 2022, 11, 1349-1360.	1.9	12
96	Synthetic biology: A control engineering perspective. , 2014, , .		11
97	Density Flow in Dynamical Networks via Mean-Field Games. IEEE Transactions on Automatic Control, 2017, 62, 1342-1355.	3.6	11
98	Structured model reduction for dynamical networked systems. , 2010, , .		10
99	Redesigning generation control in power systems: Methodology, stability and delay robustness. , 2014, , .		10
100	Sparse sum-of-squares (SOS) optimization: A bridge between DSOS/SDSOS and SOS optimization for sparse polynomials. , 2019, , .		10
101	Distributed Design for Decentralized Control Using Chordal Decomposition and ADMM. IEEE Transactions on Control of Network Systems, 2020, 7, 614-626.	2.4	10
102	Biomolecular mechanisms for signal differentiation. IScience, 2021, 24, 103462.	1.9	10
103	Dynamical system decomposition for efficient, sparse analysis. , 2010, , .		9
104	A distributed PID controller for network congestion control problems. , 2014, , .		9
105	Challenges at the interface of control engineering and synthetic biology. , 2017, , .		9
106	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.. IFAC-PapersOnLine, 2017, 50, 8411-8416.	0.5	9
107	Design Constraints for Biological Systems That Achieve Adaptation and Disturbance Rejection. IEEE Transactions on Control of Network Systems, 2018, 5, 807-817.	2.4	9
108	Algorithms for Discriminating Between Biochemical Reaction Network Models: Towards Systematic Experimental Design. Proceedings of the American Control Conference, 2007, , .	0.0	8

#	Article	IF	Citations
109	A loop shaping approach for designing biological circuits. , 2012, , .		8
110	Quantification of Interactions between Dynamic Cellular Network Functionalities by Cascaded Layering. PLoS Computational Biology, 2015, 11, e1004235.	1.5	8
111	Block-diagonal solutions to Lyapunov inequalities and generalisations of diagonal dominance. , 2017, , .		8
112	Frequency domain analysis of small non-coding RNAs shows summing junction-like behaviour. , 2017, , .		8
113	Subgradient averaging for multi-agent optimisation with different constraint sets. Automatica, 2021, 131, 109738.	3.0	8
114	On the Design of a PID Bio-Controller With Set Point Weighting and Filtered Derivative Action. , 2022, 6, 3134-3139.		8
115	Clinical correlation of nitric oxide levels with acute rejection in renal transplantation. International Urology and Nephrology, 2011, 43, 883-890.	0.6	7
116	Layering in networks: The case of biochemical systems. , 2013, , .		7
117	Signal propagation across layered biochemical networks. , 2014, , .		7
118	On Separable Quadratic Lyapunov Functions for Convex Design of Distributed Controllers. , 2019, , .		7
119	Dichotomous feedback: a signal sequestration-based feedback mechanism for biocontroller design. Journal of the Royal Society Interface, 2022, 19, 20210737.	1.5	7
120	Safety Verification of Controlled Advanced Life Support System Using Barrier Certificates. Lecture Notes in Computer Science, 2005, , 306-321.	1.0	6
121	Inverses of Positive Linear Operators and State Feedback Design for Time-Delay Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 278-283.	0.4	6
122	Dynamical system decomposition using dissipation inequalities. , 2011, , .		6
123	Barrier functionals for output functional estimation of PDEs. , 2015, , .		6
124	Convex solutions to integral inequalities in two-dimensional domains. , 2015, , .		6
125	Designing Conservation Relations in Layered Synthetic Biomolecular Networks. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 572-580.	2.7	6
126	Structural Identifiability Analysis via Extended Observability and Decomposition. IFAC-PapersOnLine, 2016, 49, 171-177.	0.5	6

#	Article	IF	Citations
127	An optimization-based method for bounding state functionals of nonlinear stochastic systems. , 2016, , .		6
128	Optimization With Affine Homogeneous Quadratic Integral Inequality Constraints. IEEE Transactions on Automatic Control, 2017, 62, 6221-6236.	3.6	6
129	Scalable analysis of linear networked systems via chordal decomposition. , 2018, , .		6
130	Generalised absolute stability and Sum of Squares. , 2011, , .		5
131	Structured sum of squares for networked systems analysis. , 2011, , .		5
132	Developing a graduate training program in Synthetic Biology: SynBioCDT. Synthetic Biology, 2019, 4, ysz006.	1.2	5
133	On the Existence of Block-Diagonal Solutions to Lyapunov and ${mathcal {H}_infty }$ Riccati Inequalities. IEEE Transactions on Automatic Control, 2020, 65, 3170-3175.	3.6	5
134	Robust Stability and Performance Analysis of a Longitudinal Aircraft Model Using Sum of Squares Techniques. , 0, , .		4
135	Generalized Nyquist Consensus Condition for Linear Multi Agent Systems with Heterogeneous Delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 24-29.	0.4	4
136	A model for using control theory to design sustainable policies for greenhouse gas emissions. , 2011, , .		4
137	A structured model reduction method for large scale networks. , 2011, , .		4
138	A convex approach to hydrodynamic analysis. , 2015, , .		4
139	Introducing INTSOSTOOLS: A SOSTOOLS plug-in for integral inequalities. , 2015, , .		4
140	A chordal decomposition approach to scalable design of structured feedback gains over directed graphs. , 2016, , .		4
141	On the performance of nonlinear dynamical systems under parameter perturbation. Automatica, 2016, 63, 265-273.	3.0	4
142	The autorepressor: A case study of the importance of model selection. , 2017, , .		4
143	Distributed Actuator Selection: Achieving Optimality via a Primal-Dual Algorithm. , 2018, 2, 779-784.		4
144	Low-Burden Biological Feedback Controllers for Near-Perfect Adaptation. ACS Synthetic Biology, 2019, 8, 2212-2219.	1.9	4

#	Article	IF	Citations
145	Genome-Scale Metabolic Modelling of Lifestyle Changes in Rhizobium leguminosarum. MSystems, 2022, 7, e0097521.	1.7	4
146	Robust Rendezvous of Heterogeneous Euler-Lagrange Systems on Packet-Switched NetworksRobustes Rendezvous von heterogenen Euler-Lagrange Systemen mithilfe paketvermittelnder Netzwerke. Automatisierungstechnik, 2010, 58, 184-191.	0.4	3
147	Nonlinear control of large scale complex systems using convex optimization tools and self-adaptation. , 2011, , .		3
148	An invariance principle for time-varying systems. , 2012, , .		3
149	Density flow over networks: A mean-field game theoretic approach. , 2014, , .		3
150	Piecewise polynomial policy iterations for synthesis of optimal control laws in input-saturated systems. , 2015, , .		3
151	<tt>sbml-diff</tt>: A Tool for Visually Comparing SBML Models in Synthetic Biology. ACS Synthetic Biology, 2017, 6, 1225-1229.	1.9	3
152	Decomposition and Completion of Sum-of-Squares Matrices. , 2018, , .		3
153	Improving Orthogonality in Two-Component Biological Signalling Systems Using Feedback Control. , 2019, 3, 326-331.		3
154	The effect of spatiotemporal antibiotic inhomogeneities on the evolution of resistance. Journal of Theoretical Biology, 2020, 486, 110077.	0.8	3
155	Multi-agent system consensus in packet-switched networks. , 2007, , .		3
156	Block Factor-Width-Two Matrices in Semidefinite Programming. , 2019, , .		3
157	On the Exact Feasibility of Convex Scenario Programs With Discarded Constraints. IEEE Transactions on Automatic Control, 2023, 68, 1986-2001.	3.6	3
158	Neural Network Verification using Polynomial Optimisation. , 2021, , .		3
159	Positivity of kernel functions for systems with communication delay. , 2007, , .		2
160	Stability of congestion control schemes with delay sensitive traffic. , 2008, , .		2
161	Using polynomial semi-separable kernels to construct infinite-dimensional Lyapunov functions. , 2008, , .		2
162	Nonlinear Control of Large Scale complex Systems using Convex Control Design tools. , 2011, , .		2

#	Article	IF	Citations
163	Feedback control architecture of the R. sphaeroides chemotaxis network. , 2011, , .		2
164	Modelling channel flow over riblets: Calculating the energy amplification. , 2012, , .		2
165	Online policy iterations for optimal control of input-saturated systems. , 2016, , .		2
166	Mitigating Biological Signalling Cross-talk with Feedback Control. , 2019, , .		2
167	Convergence rate analysis of a subgradient averaging algorithm for distributed optimisation with different constraint sets. , 2019, , .		2
168	State-Feedback Design for Nonlinear Saturating Systems. IEEE Transactions on Automatic Control, 2022, 67, 3157-3164.	3.6	2
169	Control Reconfiguration of Dynamical Systems for Improved Performance via Reverse- and Forward-Engineering. IEEE Transactions on Automatic Control, 2022, 67, 1490-1497.	3.6	2
170	Decomposed structured subsets for semidefinite and sum-of-squares optimization. Automatica, 2022, 137, 110125.	3.0	2
171	Block Factor-Width-Two Matrices and Their Applications to Semidefinite and Sum-of-Squares Optimization. IEEE Transactions on Automatic Control, 2023, 68, 943-958.	3.6	2
172	Determining interconnections in biochemical networks using linear programming. , 2008, , .		1
173	Output Consensus Controller Design for Nonlinear Relative Degree One Multi-Agent Systems with Delays*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 370-375.	0.4	1
174	VVAF - Worst case & safety analysis tools for autonomous rendezvous system. , 2010, , .		1
175	Energy amplification in channel flow over riblets. , 2011, , .		1
176	A linear multi-agent systems approach to diffusively coupled piecewise affine systems: Delay robustness. , 2011, , .		1
177	Structured storage functions for cascaded systems. , 2014, , .		1
178	Stability and consensus for multi-agent systems with Poisson clock noise. , 2014, , .		1
179	Engineering a Genetic Oscillator Using Delayed Feedback. Advances in Delays and Dynamics, 2014, , 389-402.	0.4	1
180	Decomposition Methods for Large-Scale Semidefinite Programs with Chordal Aggregate Sparsity and Partial Orthogonality. Lecture Notes in Mathematics, 2018, , 33-55.	0.1	1

#	Article	IF	Citations
181	Chordal Decomposition in Rank Minimized Semidefinite Programs with Applications to Subspace Clustering. , 2019, , .		1
182	The Interplay Between Feedback and Buffering in Homeostasis. SSRN Electronic Journal, 0, , .	0.4	1
183	Control Reconfiguration for Improved Performance via Reverse-engineering and Forward-engineering. IFAC-PapersOnLine, 2020, 53, 4688-4694.	0.5	1
184	Decomposed Structured Subsets for Semidefinite Optimization. IFAC-PapersOnLine, 2020, 53, 7374-7379.	0.5	1
185	Control Reconfiguration of Cyber-physical Systems for Improved Performance via Reverse-engineering and Accelerated First-order Algorithms. , 2020, , .		1
186	A time-triggered dimension reduction algorithm for the task assignment problem. European Journal of Control, 2022, 68, 100692.	1.6	1
187	Dynamic edge adaptation in delayed oscillator networks. , 2012, , .		0
188	Controller synthesis for stochastic systems with persistent noise via semi-definite programming. , 2016, , .		0
189	A new approach for estimating the robustness of parameter estimates to measurement noise. , 2016, , .		0
190	Multi-scale design in layered synthetic biological systems. , 2016, , .		0
191	Feedback Control and Synthetic Biology: Constraints on Design 1 1H.C.B. Steel would like to acknowledge the General Sir John Monash foundation for partial financial support of this work. A. Papachristodoulou was supported in part by EP/M002454/1.. IFAC-PapersOnLine, 2017, 50, 10932-10937.	0.5	0
192	Bayesian Nonparametrics and Feedback-Linearisation of Discretised Control-Affine Systems. , 2018, , .		0
193	Probing Intercell Variability Using Bulk Measurements. ACS Synthetic Biology, 2018, 7, 1528-1537.	1.9	0
194	SOS for Nonlinear Delayed Models in Biology and Networking. Lecture Notes in Control and Information Sciences, 2009, , 133-143.	0.6	0
195	Model Invalidation. , 2013, , 1395-1398.		0
196	Feedback control design using sum of squares optimisation. European Journal of Control, 2022, , 100683.	1.6	0