

Wim Michiels

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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.

180
papers

3,639
citations

29
h-index

57
g-index

201
ext. papers

4,317
ext. citations

2.5
avg, IF

5.84
L-index

#	Paper	IF	Citations
180	Stability and Stabilization of Time-Delay Systems 2007 ,		412
179	Stability and Stabilization of Systems with Time Delay. <i>IEEE Control Systems</i> , 2011 , 31, 38-65	2.9	365
178	Finite spectrum assignment of unstable time-delay systems with a safe implementation. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 2207-2212	5.9	248
177	Continuous pole placement for delay equations. <i>Automatica</i> , 2002 , 38, 747-761	5.7	187
176	Stabilizing a chain of integrators using multiple delays. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 802-807	5.9	127
175	An eigenvalue based approach for the stabilization of linear time-delay systems of neutral type. <i>Automatica</i> , 2005 , 41, 991-998	5.7	122
174	Static output feedback stabilization: necessary conditions for multiple delay controllers. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 82-86	5.9	103
173	Combining Convex/Concave Decompositions and Linearization Approaches for Solving BMIs, With Application to Static Output Feedback. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1377-1390	5.9	99
172	Stabilization of time-delay systems with a Controlled time-varying delay and applications. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 493-504	5.9	95
171	Reliably computing all characteristic roots of delay differential equations in a given right half plane using a spectral method. <i>Journal of Computational and Applied Mathematics</i> , 2012 , 236, 2499-2514	2.4	86
170	Spectrum-based stability analysis and stabilisation of systems described by delay differential algebraic equations. <i>IET Control Theory and Applications</i> , 2011 , 5, 1829-1842	2.5	78
169	A nonsmooth optimisation approach for the stabilisation of time-delay systems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2008 , 14, 478-493	1	78
168	Consensus Problems with Distributed Delays, with Application to Traffic Flow Models. <i>SIAM Journal on Control and Optimization</i> , 2009 , 48, 77-101	1.9	73
167	Characterizing and Computing the $\ H\ _2$ Norm of Time-Delay Systems by Solving the Delay Lyapunov Equation. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 814-825	5.9	64
166	Control design for time-delay systems based on quasi-direct pole placement. <i>Journal of Process Control</i> , 2010 , 20, 337-343	3.9	58
165	On the delay sensitivity of Smith Predictors. <i>International Journal of Systems Science</i> , 2003 , 34, 543-551	2.3	58
164	A Krylov Method for the Delay Eigenvalue Problem. <i>SIAM Journal of Scientific Computing</i> , 2010 , 32, 3278-3300	5.5	55

163	A linear eigenvalue algorithm for the nonlinear eigenvalue problem. <i>Numerische Mathematik</i> , 2012 , 122, 169-195	2.2	49
162	NLEIGS: A Class of Fully Rational Krylov Methods for Nonlinear Eigenvalue Problems. <i>SIAM Journal of Scientific Computing</i> , 2014 , 36, A2842-A2864	2.6	48
161	Synchronization of delay-coupled nonlinear oscillators: an approach based on the stability analysis of synchronized equilibria. <i>Chaos</i> , 2009 , 19, 033110	3.3	45
160	Krylov-Based Model Order Reduction of Time-delay Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2011 , 32, 1399-1421	1.5	42
159	Using delays and time-varying gains to improve the static output feedback stabilizability of linear systems: a comparison. <i>IMA Journal of Mathematical Control and Information</i> , 2004 , 21, 393-418	1.1	40
158	Compact Rational Krylov Methods for Nonlinear Eigenvalue Problems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015 , 36, 820-838	1.5	38
157	Fixed-Order H-Infinity Control for Interconnected Systems Using Delay Differential Algebraic Equations. <i>SIAM Journal on Control and Optimization</i> , 2011 , 49, 2212-2238	1.9	37
156	Pseudospectra and stability radii for analytic matrix functions with application to time-delay systems. <i>Linear Algebra and Its Applications</i> , 2006 , 418, 315-335	0.9	37
155	A Rational Krylov Method Based on Hermite Interpolation for Nonlinear Eigenvalue Problems. <i>SIAM Journal of Scientific Computing</i> , 2013 , 35, A327-A350	2.6	33
154	Strong Stability of Neutral Equations with an Arbitrary Delay Dependency Structure. <i>SIAM Journal on Control and Optimization</i> , 2009 , 48, 763-786	1.9	33
153	Invariance properties in the root sensitivity of time-delay systems with double imaginary roots. <i>Automatica</i> , 2010 , 46, 1112-1115	5.7	31
152	The Smoothed Spectral Abscissa for Robust Stability Optimization. <i>SIAM Journal on Optimization</i> , 2009 , 20, 156-171	2	30
151	Stability impact of small delays in proportional-derivative state feedback. <i>Control Engineering Practice</i> , 2009 , 17, 382-393	3.9	28
150	Characterization of Delay-Independent Stability and Delay Interference Phenomena. <i>SIAM Journal on Control and Optimization</i> , 2007 , 45, 2138-2155	1.9	28
149	An eigenvalue based approach for the robust stabilization of linear time-delay systems. <i>International Journal of Control</i> , 2003 , 76, 678-686	1.5	28
148	Model reduction of time-delay systems using position balancing and delay Lyapunov equations. <i>Mathematics of Control, Signals, and Systems</i> , 2013 , 25, 147-166	1.3	26
147	Stability analysis of some classes of TCP/AQM networks. <i>International Journal of Control</i> , 2006 , 79, 1136-1144	1.3	25
146	Stabilizability and Stability Robustness of State Derivative Feedback Controllers. <i>SIAM Journal on Control and Optimization</i> , 2009 , 47, 3100-3117	1.9	22

145	Synthesis of strongly stable state-derivative controllers for a time-delay system using constrained non-smooth optimization. <i>IMA Journal of Mathematical Control and Information</i> , 2010 , 27, 437-455	1.1	21
144	A Note on Distributed Finite-Time Observers. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 759-766	5.9	20
143	Networks of diffusively time-delay coupled systems: Conditions for synchronization and its relation to the network topology. <i>Physica D: Nonlinear Phenomena</i> , 2014 , 277, 22-39	3.3	19
142	A predictor-corrector type algorithm for the pseudospectral abscissa computation of time-delay systems. <i>Automatica</i> , 2010 , 46, 657-664	5.7	19
141	Sufficient LMI conditions for reduced-order multi-objective H ₂ /H _∞ control of LTI systems. <i>European Journal of Control</i> , 2015 , 23, 17-25	2.5	18
140	Stability analysis of systems with stochastically varying delays. <i>Systems and Control Letters</i> , 2009 , 58, 783-791	2.4	18
139	Characterization and Computation of \mathcal{H}_{∞} Norms for Time-Delay Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010 , 31, 2093-2115	1.5	17
138	Linearization of Lagrange and Hermite interpolating matrix polynomials. <i>IMA Journal of Numerical Analysis</i> , 2015 , 35, 909-930	1.8	16
137	An Explicit Formula for the Splitting of Multiple Eigenvalues for Nonlinear Eigenvalue Problems and Connections with the Linearization for the Delay Eigenvalue Problem. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2017 , 38, 599-620	1.5	16
136	Robust stability of milling operations based on pseudospectral approach. <i>International Journal of Machine Tools and Manufacture</i> , 2020 , 149, 103516	9.4	16
135	An Inverse Iteration Method for Eigenvalue Problems with Eigenvector Nonlinearities. <i>SIAM Journal of Scientific Computing</i> , 2014 , 36, A1978-A2001	2.6	14
134	Computing a Partial Schur Factorization of Nonlinear Eigenvalue Problems Using the Infinite Arnoldi Method. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014 , 35, 411-436	1.5	14
133	Using spectral discretisation for the optimal H ₂ design of time-delay systems. <i>International Journal of Control</i> , 2011 , 84, 228-241	1.5	14
132	Model reduction for delay differential equations with guaranteed stability and error bound. <i>Automatica</i> , 2015 , 55, 132-139	5.7	13
131	Analyzing the convergence factor of residual inverse iteration. <i>BIT Numerical Mathematics</i> , 2011 , 51, 937-957	1.7	13
130	Robustness assessment via stability radii in delay parameters. <i>International Journal of Robust and Nonlinear Control</i> , 2009 , 19, 1405-1426	3.6	13
129	Structured pseudospectra for nonlinear eigenvalue problems. <i>Journal of Computational and Applied Mathematics</i> , 2008 , 212, 245-259	2.4	13
128	Some special cases in the stability analysis of multi-dimensional time-delay systems using the matrix Lambert W function. <i>Automatica</i> , 2015 , 53, 339-345	5.7	12

127	Analysis and design aspects of delayed resonator absorber with position, velocity or acceleration feedback. <i>Journal of Sound and Vibration</i> , 2019 , 459, 114831	3.9	12
126	An Iterative Method for Computing the Pseudospectral Abscissa for a Class of Nonlinear Eigenvalue Problems. <i>SIAM Journal of Scientific Computing</i> , 2012 , 34, A2366-A2393	2.6	12
125	Stabilizability via Time-Delayed Feedback: An Eigenvalue Optimization Approach. <i>SIAM Journal on Applied Dynamical Systems</i> , 2009 , 8, 1-20	2.8	12
124	Bifurcation analysis of three-phase ferroresonant oscillations in ungrounded power systems. <i>IEEE Transactions on Power Delivery</i> , 1999 , 14, 531-536	4.3	12
123	Root locus for SISO dead-time systems: A continuation based approach. <i>Automatica</i> , 2012 , 48, 480-489	5.7	11
122	A simple finite-time distributed observer design for linear time-invariant systems. <i>Systems and Control Letters</i> , 2020 , 141, 104707	2.4	10
121	A Subspace Method for Large-Scale Eigenvalue Optimization. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2018 , 39, 48-82	1.5	10
120	Computing all Pairs (λ, μ) Such That λ is a Double Eigenvalue of $A+B$. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2011 , 32, 902-927	1.5	10
119	Stability analysis of linear time-varying time-delay systems by non-quadratic Lyapunov functions with indefinite derivatives. <i>Systems and Control Letters</i> , 2018 , 122, 77-85	2.4	10
118	Distributed delay input shaper design by optimizing smooth kernel functions. <i>Journal of the Franklin Institute</i> , 2017 , 354, 5463-5485	4	9
117	Reduced modelling and fixed-order control of delay systems applied to a heat exchanger. <i>IET Control Theory and Applications</i> , 2017 , 11, 3341-3352	2.5	9
116	Optimized design of robust resonator with distributed time-delay. <i>Journal of Sound and Vibration</i> , 2019 , 443, 576-590	3.9	9
115	A rank-exploiting infinite Arnoldi algorithm for nonlinear eigenvalue problems. <i>Numerical Linear Algebra With Applications</i> , 2016 , 23, 607-628	1.6	8
114	Design of pseudo-predictor feedback for neutral-type linear systems with both state and input delays. <i>Automatica</i> , 2019 , 109, 108502	5.7	8
113	An inner convex approximation algorithm for BMI optimization and applications in control 2012 ,		8
112	Prediction of partial synchronization in delay-coupled nonlinear oscillators, with application to Hindmarsh-Rose neurons. <i>Nonlinearity</i> , 2013 , 26, 3101-3126	1.7	8
111	STABILITY ANALYSIS OF A FLUID FLOW MODEL FOR TCP LIKE BEHAVIOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 2277-2282	2	8
110	Fixed-Order Linear Parameter-Varying Feedback Control of a Lab-Scale Overhead Crane. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1899-1907	4.8	8

109	A Novel Method to Compute the Structured Distance to Instability for Combined Uncertainties on Delays and System Matrices. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 1747-1754	5.9	7
108	Design of robust decentralised controllers for MIMO plants with delays through network structure exploitation. <i>International Journal of Control</i> , 2020 , 93, 2275-2289	1.5	7
107	Design of delay-based output-feedback controllers optimizing a quadratic cost function via the delay Lyapunov matrix. <i>Automatica</i> , 2019 , 107, 146-153	5.7	6
106	Computation of extremum singular values and the strong H-infinity norm of SISO time-delay systems. <i>Automatica</i> , 2015 , 54, 266-271	5.7	6
105	Evaluating and Approximating FIR Filters: An Approach Based on Functions of Matrices. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 463-468	5.9	6
104	Stability Analysis of Oscillatory Systems Subject to Large Delays: A Synchronization Point of View. <i>JVC/Journal of Vibration and Control</i> , 2010 , 16, 1087-1110	2	6
103	LIMITATIONS OF DELAYED STATE FEEDBACK: A NUMERICAL STUDY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1309-1320	2	6
102	2018,		6
101	Robust stability optimization for linear delay systems in a probabilistic framework. <i>Linear Algebra and Its Applications</i> , 2017 , 526, 1-26	0.9	5
100	Pseudospectral method for assessing stability robustness for linear time-periodic delayed dynamical systems. <i>International Journal for Numerical Methods in Engineering</i> , 2020 , 121, 3505-3528	2.4	5
99	Characterization and Computation of Partial Synchronization Manifolds for Diffusive Delay-Coupled Systems. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016 , 15, 1874-1915	2.8	5
98	Computing singularities of perturbation series. <i>Physical Review A</i> , 2011 , 83,	2.6	5
97	Robustness of Nonlinear Delay Equations with Respect to Input Perturbations: a Trajectory-Based Approach. <i>Mathematics of Control, Signals, and Systems</i> , 2002 , 15, 316-335	1.3	5
96	Effect of a distributed delay on relative stability of diffusely coupled systems, with application to synchronized equilibria. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 1565-1582	3.6	5
95	Spectral design of robust delayed resonator by double-root assignment. <i>IFAC-PapersOnLine</i> , 2018 , 51, 72-77	0.7	5
94	Robust stabilisation of linear time-delay systems with uncertainties in the system matrices and in the delay terms. <i>IFAC-PapersOnLine</i> , 2018 , 51, 312-317	0.7	5
93	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	5
92	Stability Analysis of Equilibria of Linear Delay Complementarity Systems 2017 , 1, 158-163		4

91	Computing Delay Lyapunov Matrices and H_2 Norms for Large-scale Problems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2019 , 40, 845-869	1.5	4
90	Characterization and optimization of the smoothed spectral abscissa for time-delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 4402-4418	3.6	4
89	Control design and experimental validation for flexible multi-body systems pre-compensated by inverse shapers. <i>Systems and Control Letters</i> , 2018 , 113, 93-100	2.4	4
88	Eigenvalue Based Algorithms and Software for the Design of Fixed-Order Stabilizing Controllers for Interconnected Systems with Time-Delays. <i>Advances in Delays and Dynamics</i> , 2014 , 243-256	0.3	4
87	A systems theoretic analysis of fast varying and state dependent delays 2011 ,		4
86	Delay Effects on Output Feedback Control of Dynamical Systems. <i>Understanding Complex Systems</i> , 2009 , 63-84	0.4	4
85	Inverse Routh table construction and stability of delay equations. <i>Systems and Control Letters</i> , 2006 , 55, 711-718	2.4	4
84	Design of robust structurally constrained controllers for MIMO plants with time-delays 2018 ,		4
83	Polynomial (chaos) approximation of maximum eigenvalue functions. <i>Numerical Algorithms</i> , 2019 , 82, 1143-1169	2.1	3
82	On the dual linear periodic time-delay system: Spectrum and Lyapunov matrices, with application to analysis and balancing. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 3906-3922	3.6	3
81	Robust partial synchronization of delay-coupled networks. <i>Chaos</i> , 2020 , 30, 013126	3.3	3
80	Estimation of basins of attraction for controlled systems with input saturation and time-delays. <i>Systems and Control Letters</i> , 2016 , 94, 84-91	2.4	3
79	Determining bound states in a semiconductor device with contacts using a nonlinear eigenvalue solver. <i>Journal of Computational Electronics</i> , 2014 , 13, 753-762	1.8	3
78	A distributed finite-time observer for linear systems 2017 ,		3
77	Spectral design of output feedback controllers for systems pre-compensated by input shapers. <i>IFAC-PapersOnLine</i> , 2015 , 48, 117-122	0.7	3
76	Synchronization of coupled nonlinear oscillators with shifted gamma-distributed delays 2013 ,		3
75	Quasi-direct pole placement for time delay systems applied to a heat transfer set-up. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 325-330		3
74	Consensus problems for car following systems with distributed delays 2007 ,		3

73	Geometric Ideas in the Stability Analysis of Delay Models in Biosciences. <i>Lecture Notes in Control and Information Sciences</i> , 2007 , 217-259	0.5	3
72	Some remarks on static output feedback stabilization problem: Necessary conditions for multiple delay controllers 2003 ,		3
71	Sensitivity to perturbations in variable structure systems. <i>Journal of Computational and Applied Mathematics</i> , 2001 , 132, 127-140	2.4	3
70	Model Order Reduction for Time-Delay Systems, with Application to Fixed-Order (mathscr {H}_2) Optimal Controller Design. <i>Advances in Delays and Dynamics</i> , 2016 , 45-66	0.3	3
69	The Infinite Arnoldi Method and an Application to Time-Delay Systems with Distributed Delays. <i>Lecture Notes in Control and Information Sciences</i> , 2012 , 229-239	0.5	3
68	On the m-dimensional Cayley-Hamilton theorem and its application to an algebraic decision problem inferred from the H2 norm analysis of delay systems. <i>Automatica</i> , 2020 , 113, 108761	5.7	3
67	Multi-criteria optimisation design of shapers with piece-wise equally distributed time-delay. <i>IFAC-PapersOnLine</i> , 2016 , 49, 112-117	0.7	3
66	Damping a pendulum's swing by string length adjustment - design and comparison of various control methods 2019 ,		3
65	Analysis and Computation of the \mathcal{H}_2 Norm of Delay Differential Algebraic Equations. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 2192-2199	5.9	3
64	Comparison of the Time-Delay Margin of a Distributed and Centralized Observer 2018 ,		3
63	Pseudo predictor feedback stabilisation of linear systems with both state and input delays. <i>International Journal of Control</i> , 2020 , 1-11	1.5	2
62	Achieving an \mathcal{L}_2 string stable one vehicle look-ahead platoon with heterogeneity in time-delays 2019 ,		2
61	Special Cases in Using the Matrix Lambert W function for the Stability Analysis of High-Order Linear Systems with Time Delay**This work was supported in part by the Coimbra Group under its program of scholarships for young professors and researchers of Latin America and by the Programme of Interuniversity Attraction Poles of the Belgian Federal Science Policy Office (IAP	0.7	2
60	Mixed-sensitivity design of a dynamic controller for systems pre-compensated by input shapers. <i>IFAC-PapersOnLine</i> , 2017 , 50, F1304-1309-Flander. <i>IFAC-PapersOnLine</i> , 2015 , 48, 7-12	0.7	2
59	Input Shaper Optimization with a Constraint on the Spectrum Distribution. <i>IFAC-PapersOnLine</i> , 2017 , 50, 13324-13329	0.7	2
58	Event-driven simulation of power electronics in the complementarity systems framework 2012 ,		2
57	Fixed-order strong H-infinity control of interconnected systems with time-delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 12544-12549		2
56	Fixed-Order H-infinity Optimization of Time-Delay Systems 2010 , 103-112		2

55	Smooth stabilization and optimal H2 design. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 23-28		2
54	Mathematical and Computational Tools for the Stability Analysis of Time-Varying Delay Systems and Applications in Mechanical Engineering 2007 , 199-216		2
53	Further remarks on stabilizing chains of integrators by using network delays 2009 ,		2
52	Distributed Observers With Time-Varying Delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 5354-5361	5.9	2
51	A pseudo-spectrum based characterization of the robust strong H-infinity norm of time-delay systems with real-valued and structured uncertainties. <i>IMA Journal of Mathematical Control and Information</i> , 2021 , 38, 267-296	1.1	2
50	On the fixed-time stabilization of input delay systems using act-and-wait control. <i>Systems and Control Letters</i> , 2020 , 146, 104807	2.4	2
49	Output Homogenization and Synchronization of Heterogeneous Nonlinear Multiagent Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	2
48	Pattern Analysis in Networks of Diffusively Coupled Lur \bar{e} Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950200	2	2
47	Strong Stability Analysis of Linear Delay-Difference Equations With Multiple Time Delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 3741-3748	5.9	2
46	Design of a distributed finite-time observer using observability decompositions 2019 ,		1
45	A globally convergent method to compute the real stability radius for time-delay systems. <i>Systems and Control Letters</i> , 2019 , 127, 44-51	2.4	1
44	Design of L2 stable fixed-order decentralised controllers in a network of sampled-data systems with time-delays. <i>European Journal of Control</i> , 2020 , 56, 73-85	2.5	1
43	Calculating the minimal/maximal eigenvalue of symmetric parameterized matrices using projection. <i>Numerical Linear Algebra With Applications</i> , 2019 , 26, e2263	1.6	1
42	Fast algorithms for computing the distance to instability of nonlinear eigenvalue problems, with application to time-delay systems. <i>International Journal of Dynamics and Control</i> , 2014 , 2, 133	1.7	1
41	Computation of pseudospectral abscissa for large-scale nonlinear eigenvalue problems. <i>IMA Journal of Numerical Analysis</i> , 2017 , drw065	1.8	1
40	Computing the distance to instability for large-scale nonlinear eigenvalue problems 2013 ,		1
39	A projection approach for model reduction of large-scale time-delay systems, with application to a boundary controlled PDE 2011 ,		1
38	Eigenvalue based analysis and controller synthesis for systems described by delay differential algebraic equations. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 144-149		1

37	Optimization based synthesis of state derivative feedback controllers for retarded systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 162-167		1
36	Structured Pseudospectra and Random Eigenvalues Problems in Vibrating Systems. <i>AIAA Journal</i> , 2006 , 44, 2404-2414	2.1	1
35	On the strong H2 norm of differential algebraic systems with multiple delays: finiteness criteria, regularization and computation. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	1
34	A scalable method for the analysis of networked linear systems with decentralized sampled-data control. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	1
33	A Comparison of Shaper-Based and Shaper-Free Architectures for Feedforward Compensation of Flexible Modes. <i>Advances in Delays and Dynamics</i> , 2019 , 233-247	0.3	1
32	An SL/QP Algorithm for Minimizing the Spectral Abscissa of Time Delay Systems. <i>Advances in Delays and Dynamics</i> , 2017 , 33-45	0.3	1
31	Design of Fixed-Order Stabilizing and $(\mathcal{H}_2) - (\mathcal{H}_\infty)$ Optimal Controllers: An Eigenvalue Optimization Approach. <i>Lecture Notes in Control and Information Sciences</i> , 2012 , 201-216	0.5	1
30	Spectrum-based Stability Analysis and Stabilization of Time-periodic Time-delay Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2020 , 41, 1284-1311	1.5	1
29	Pseudo Predictor Feedback Stabilization of Linear Systems with Both State and Input Delays* 2019 ,		1
28	Optimization of the Smoothed Spectral Abscissa for Retarded Type Systems. <i>IFAC-PapersOnLine</i> , 2019 , 52, 67-72	0.7	1
27	Computing the robust H-infinity norm of time-delay LTI systems with real-valued and structured uncertainties. <i>IFAC-PapersOnLine</i> , 2019 , 52, 127-132	0.7	1
26	Pattern Prediction in Networks of Diffusively Coupled Nonlinear Systems. <i>IFAC-PapersOnLine</i> , 2018 , 51, 62-67	0.7	1
25	A Lyapunov approach to stability analysis of partial synchronization in delay-coupled networks. <i>IFAC-PapersOnLine</i> , 2018 , 51, 198-204	0.7	1
24	A scalable design method for stabilising decentralised controllers for networks of delay-coupled systems. <i>IFAC-PapersOnLine</i> , 2018 , 51, 68-73	0.7	1
23	Analysis and optimized design of an actively controlled two-dimensional delayed resonator. <i>Mechanical Systems and Signal Processing</i> , 2022 , 178, 109195	7.8	1
22	A Connection Between Strangeness-Free Delay Differential-Algebraic and Neutral Type Systems * *This work was supported by the Programme of Interuniversity Attraction Poles of the Belgian Federal Science Policy Office, by the Optimization in Engineering Center OPTEC of the KU Leuven, the Research Foundation Flanders, and by the project UCoCuS, funded by the European Union	0.7	0
21	Computing the H2 norm of large-scale time-delay systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 114-119 <i>PapersOnLine</i> , 2017 , 50, 1286-1291		0
20	Analysis and Design of Strongly Stabilizing PID Controllers for Time-Delay Systems. <i>SIAM Journal on Control and Optimization</i> , 2022 , 60, 124-146	1.9	0

19	Controlling the variable length pendulum: Analysis and Lyapunov based design methods. <i>Journal of the Franklin Institute</i> , 2022 , 359, 1382-1406	4	o
18	Tensor-Krylov method for computing eigenvalues of parameter-dependent matrices. <i>Journal of Computational and Applied Mathematics</i> , 2022 , 408, 113869	2.4	o
17	A novel act-and-wait control scheme for fixed-time stabilization of input-delay systems and assignment of the monodromy matrix. <i>International Journal of Robust and Nonlinear Control</i> , 2022 , 32, 987	3.6	o
16	Stabilization with Zero Location Constraints for Delay-Based Non-collocated Vibration Suppression. <i>IFAC-PapersOnLine</i> , 2021 , 54, 121-126	0.7	o
15	Stabilisation of distributed time-delay systems: a smoothed spectral abscissa optimisation approach. <i>International Journal of Control</i> , 1-13	1.5	o
14	Optimization of the H_2 Norm for Single-Delay Systems, With Application to Control Design and Model Approximation. <i>IEEE Transactions on Automatic Control</i> , 2018 , 1-1	5.9	o
13	A design approach for structured controllers for uncertain delay systems grounded in the real structured pseudospectra framework 2019 , 185-207		
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11	Prediction of Partially Synchronous Regimes of Delay-Coupled Nonlinear Oscillators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 699-704		
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