

# Oliver Mason

## List of Publications by Citations

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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.

62

papers

2,607

citations

20

h-index

51

g-index

68

ext. papers

3,130

ext. citations

2.3

avg, IF

5.27

L-index

#	Paper	IF	Citations
62	Stability Criteria for Switched and Hybrid Systems. <i>SIAM Review</i> , <b>2007</b> , 49, 545-592	7.4	667
61	On Linear Copositive Lyapunov Functions and the Stability of Switched Positive Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 1346-1349	5.9	265
60	Graph theory and networks in Biology. <i>IET Systems Biology</i> , <b>2007</b> , 1, 89-119	1.4	231
59	. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 1099-1103	5.9	226
58	On linear co-positive Lyapunov functions for sets of linear positive systems. <i>Automatica</i> , <b>2009</b> , 45, 1943-1947	5.7	154
57	A result on common quadratic Lyapunov functions. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 110-113	5.9	101
56	Leader tracking in homogeneous vehicle platoons with broadcast delays. <i>Automatica</i> , <b>2014</b> , 50, 64-74	5.7	80
55	Global Phase-Locking in Finite Populations of Phase-Coupled Oscillators. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2008</b> , 7, 134-160	2.8	72
54	Issues in the design of switched linear control systems: A benchmark study. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2003</b> , 17, 103-118	2.8	68
53	D-Stability and Delay-Independent Stability of Homogeneous Cooperative Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2882-2885	5.9	54
52	An alternative proof of the Barker, Berman, Plemmons (BBP) result on diagonal stability and extensions. <i>Linear Algebra and Its Applications</i> , <b>2009</b> , 430, 34-40	0.9	53
51	On Computing the Critical Coupling Coefficient for the Kuramoto Model on a Complete Bipartite Graph. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2009</b> , 8, 417-453	2.8	50
50	On the simultaneous diagonal stability of a pair of positive linear systems. <i>Linear Algebra and Its Applications</i> , <b>2006</b> , 413, 13-23	0.9	48
49	Observations on the stability properties of cooperative systems. <i>Systems and Control Letters</i> , <b>2009</b> , 58, 461-467	2.4	47
48	A unifying framework for the SISO circle criterion and other quadratic stability criteria. <i>International Journal of Control</i> , <b>2004</b> , 77, 1-8	1.5	39
47	Stability criteria for SIS epidemiological models under switching policies. <i>Discrete and Continuous Dynamical Systems - Series B</i> , <b>2014</b> , 19, 2865-2887	1.3	36
46	On common quadratic Lyapunov functions for stable discrete-time LTI systems. <i>IMA Journal of Applied Mathematics</i> , <b>2004</b> , 69, 271-283	1	34

45	The role of control and system theory in systems biology. <i>Annual Reviews in Control</i> , <b>2008</b> , 32, 33-47	10.3	31
44	On Delay-Independent Stability of a Class of Nonlinear Positive Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 1974-1977	5.9	22
43	Stability and positivity of equilibria for subhomogeneous cooperative systems. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2011</b> , 74, 6416-6426	1.3	21
42	Diagonal Riccati stability and positive time-delay systems. <i>Systems and Control Letters</i> , <b>2012</b> , 61, 6-10	2.4	20
41	Optimal Differentially Private Mechanisms for Randomised Response. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2017</b> , 12, 2726-2735	8	20
40	Absolute stability and Lyapunov-Krasovskii functionals for switched nonlinear systems with time-delay. <i>Journal of the Franklin Institute</i> , <b>2014</b> , 351, 4381-4394	4	19
39	Quadratic and Copositive Lyapunov Functions and the Stability of Positive Switched Linear Systems. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	19
38	Nash Equilibria for competitive information diffusion on trees. <i>Information Processing Letters</i> , <b>2013</b> , 113, 217-219	0.8	18
37	Some results on the stability of positive switched linear systems <b>2004</b> ,		17
36			16
35	A Convergence Result for the Kuramoto Model with All-to-All Coupling. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2011</b> , 10, 906-920	2.8	15
34	Information diffusion on the iterated local transitivity model of online social networks. <i>Discrete Applied Mathematics</i> , <b>2013</b> , 161, 1338-1344	1	14
33	Diagonal Lyapunov-Krasovskii functionals for discrete-time positive systems with delay. <i>Systems and Control Letters</i> , <b>2014</b> , 63, 63-67	2.4	14
32	Differential privacy in metric spaces: Numerical, categorical and functional data under the one roof. <i>Information Sciences</i> , <b>2015</b> , 305, 256-268	7.7	12
31	Diagonal Riccati stability and applications. <i>Linear Algebra and Its Applications</i> , <b>2016</b> , 492, 38-51	0.9	11
30	Diagonal stability of a class of discrete-time positive switched systems with delay. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 812-818	2.5	10
29	The analytic hierarchy process, max algebra and multi-objective optimisation. <i>Linear Algebra and Its Applications</i> , <b>2013</b> , 438, 2911-2928	0.9	10
28	Control of Yaw Rate and Sideslip in 4-Wheel Steering Cars with Actuator Constraints. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 201-222	0.9	10

27	Cyclic interconnection for formation control of 1-D vehicle strings. <i>European Journal of Control</i> , <b>2016</b> , 27, 36-44	2.5	8
26	Extremal norms for positive linear inclusions. <i>Linear Algebra and Its Applications</i> , <b>2014</b> , 444, 100-113	0.9	8
25	Quadratic Lyapunov functions for systems with state-dependent switching. <i>Linear Algebra and Its Applications</i> , <b>2010</b> , 433, 52-63	0.9	8
24	Stability and D-stability for Switched Positive Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> , 101-109	0.5	6
23	Spectral properties of matrix polynomials in the max algebra. <i>Linear Algebra and Its Applications</i> , <b>2011</b> , 435, 1626-1636	0.9	5
22	Pmax1 and Smax properties and asymptotic stability in the max algebra. <i>Linear Algebra and Its Applications</i> , <b>2011</b> , 435, 1008-1018	0.9	5
21	On the Kalman-Yacubovich-Popov lemma and common Lyapunov solutions for matrices with regular inertia. <i>Linear Algebra and Its Applications</i> , <b>2007</b> , 420, 183-197	0.9	5
20	Some results on quadratic stability of switched systems with interval uncertainty. <i>International Journal of Control</i> , <b>2007</b> , 80, 825-831	1.5	5
19	Applications of Linear Co-positive Lyapunov Functions for Switched Linear Positive Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> , 331-338	0.5	5
18	Barabanov norms, Lipschitz continuity and monotonicity for the max algebraic joint spectral radius. <i>Linear Algebra and Its Applications</i> , <b>2018</b> , 550, 37-58	0.9	4
17	Correction to D-Stability and Delay-Independent Stability of Homogeneous Cooperative Systems [Dec 2010 2882-2885]. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 1489-1489	5.9	4
16	On Diagonal Stability of Positive Systems with Switches and Delays. <i>Automation and Remote Control</i> , <b>2018</b> , 79, 2114-2127	0.6	4
15	Leader following with non-homogeneous weights for control of vehicle formations <b>2016</b> ,		3
14	Extreme points of the local differential privacy polytope. <i>Linear Algebra and Its Applications</i> , <b>2017</b> , 534, 78-96	0.9	3
13	Conditions for the Existence of Fixed Points in a Finite System of Kuramoto Oscillators. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	3
12	Differentially private response mechanisms on categorical data. <i>Discrete Applied Mathematics</i> , <b>2016</b> , 211, 86-98	1	2
11	Diagonal Riccati stability and the Hadamard product. <i>Linear Algebra and Its Applications</i> , <b>2017</b> , 534, 158-173		2
10	Convex Cones, Lyapunov Functions, and the Stability of Switched Linear Systems. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 31-46	0.9	2

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|---|---|-----|---|
| 9 | Inference of Protein Function from the Structure of Interaction Networks <b>2011</b> , 439-461  |     | 1 |
| 8 | The Markov Chain Tree Theorem in commutative semirings and the State Reduction Algorithm in commutative semifields. <i>Linear Algebra and Its Applications</i> , <b>2015</b> , 468, 184-196 | 0.9 | 0 |
| 7 | On the Kamke-Müller conditions, monotonicity and continuity for bi-modal piecewise-smooth systems. <i>Systems and Control Letters</i> , <b>2012</b> , 61, 180-186                           | 2.4 | 0 |
| 6 | Differential Privacy and the l1 Sensitivity of Positive Linear Observers. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 3111-3116  | 0.7 | 0 |
| 5 | Persistence, Periodicity and Privacy for Positive Systems in Epidemiology and Elsewhere. <i>Lecture Notes in Control and Information Sciences</i> , <b>2017</b> , 3-15                      | 0.5 |   |
| 4 | Switching Stability of Automotive Roll Dynamics Subject to Interval Uncertainty. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2008</b> , 8, 10921-10922                     | 0.2 |   |
| 3 | General Inertia and Circle Criterion. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2006</b> , 6, 845-846  | 0.2 |   |
| 2 | Non-linear control of four-wheel steering cars with actuator constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 937-942    |     |   |
| 1 | A WIND TURBINE BENCHMARK FOR HYBRID SYSTEM ANALYSIS & DESIGN. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 121-126                |     |   |