

# Leila J Bridgeman

## List of Publications by Year in descending order

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30  
papers

183  
citations

1307543

7  
h-index

1281846

11  
g-index

30  
all docs

30  
docs citations

30  
times ranked

89  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Conic-sector-based control to circumvent passivity violations. International Journal of Control, 2014, 87, 1467-1477.   | 1.9 | 28        |
| 2  | Saturated proportional derivative control of flexible-joint manipulators. Robotics and Computer-Integrated Manufacturing, 2014, 30, 658-666.  | 9.9 | 17        |
| 3  | Conic-sector-based controller synthesis: Theory and experiments. , 2014, , .  |     | 16        |
| 4  | The Extended Conic Sector Theorem. IEEE Transactions on Automatic Control, 2016, 61, 1931-1937.   | 5.7 | 16        |
| 5  | Stability and feasibility of MPC for switched linear systems with dwell-time constraints. , 2016, , .   |     | 15        |
| 6  | Necessary and sufficient conditions for constraint satisfaction in switched systems using switch-robust control invariant sets. International Journal of Robust and Nonlinear Control, 2019, 29, 2589-2602. | 3.7 | 14        |
| 7  | The minimum gain lemma. International Journal of Robust and Nonlinear Control, 2015, 25, 2515-2531.   | 3.7 | 11        |
| 8  | Stability and a posteriori error analysis of discontinuous Galerkin methods for linearized elasticity. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1543-1557.                         | 6.6 | 10        |
| 9  | A Comparative Study of Input-Output Stability Results. IEEE Transactions on Automatic Control, 2018, 63, 463-476.   | 5.7 | 9         |
| 10 | Iterative conic controller synthesis. International Journal of Robust and Nonlinear Control, 2019, 29, 3701-3714.   | 3.7 | 6         |
| 11 | The exterior conic sector lemma. International Journal of Control, 2015, 88, 2250-2263.   | 1.9 | 5         |
| 12 | Conic Bounds for Systems Subject to Delays. IEEE Transactions on Automatic Control, 2017, 62, 2006-2013.  | 5.7 | 5         |
| 13 | Sparsity Promoting $H_{\infty}$ -Conic Control. , 2021, 5, 1453-1458.   |     | 5         |
| 14 | Computationally Tractable Stability Criteria for Exogenously Switched Model Predictive Control. , 2021, 5, 1777-1782.   |     | 5         |
| 15 | Conic-Sector-based control to circumvent passivity violations. , 2013, , .  |     | 4         |
| 16 | Constraint satisfaction for switched linear systems with restricted dwell-time. , 2017, , .   |     | 4         |
| 17 | Constraint Enforcement via Tube-Based MPC Exploiting Switching Restrictions. , 2021, 5, 1789-1794.  |     | 4         |
| 18 | Strictly positive real and conic system syntheses using observers. , 2015, , .  |     | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Norm- and linear-inequality-constrained state estimation: An LMI approach. , 2017, , .   |     | 2         |
| 20 | Fixed-Order $\hat{\alpha}_{2}$ -Conic Control. , 2021, , .   |     | 2         |
| 21 | Conic controller synthesis that minimizes an upper bound on the closed-loop $\hat{\alpha}_{2}$ -norm. , 2017, , .  |     | 1         |
| 22 | MIMO Nyquist interpretation of the large gain theorem. International Journal of Control, 2020, 93, 2326-2335.  | 1.9 | 1         |
| 23 | Dual, Iterative $H_2$ -Conic Controller Synthesis. , 2020, , .   |     | 1         |
| 24 | The Minimum Gain Lemma. , 2014, , .  |     | 0         |
| 25 | Conic-Sector-Based Control in the Presence of Delay—This work was funded in part through the Natural Sciences and Engineering Research Council of Canada's Postgraduate Scholarship and Discovery Grant programs.. IFAC-PapersOnLine, 2015, 48, 458-461. | 0.9 | 0         |
| 26 | Iterative $H_2$ -Conic Controller Synthesis. , 2018, , .   |     | 0         |
| 27 | Sparsity Promoting $H_2$ -Conic Control. , 2021, , .   |     | 0         |
| 28 | Computationally Tractable Stability Criteria for Exogenously Switched Model Predictive Control. , 2021, , .  |     | 0         |
| 29 | Conic Sector Based Stability Criteria for Time-Delay Systems. , 2021, , .  |     | 0         |
| 30 | Durable Breast Phantom with Geometric and Mechanical Properties approximating Human Tissue for Ultrasound Image and Robotic System Testing. , 2022, , .  |     | 0         |