

# Daniele Astolfi

## List of Publications by Year in descending order

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47  
papers

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g-index

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docs citations

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times ranked

283  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Constrained State Estimation for Nonlinear Systems: A Redesign Approach Based on Convexity. IEEE Transactions on Automatic Control, 2022, 67, 824-839.                               | 5.7 | 14        |
| 2  | Nonlinear robust periodic output regulation of minimum phase systems. Mathematics of Control, Signals, and Systems, 2022, 34, 129-184.   | 2.3 | 6         |
| 3  | Observer design for continuous-time dynamical systems. Annual Reviews in Control, 2022, 53, 224-248.   | 7.9 | 49        |
| 4  | Harmonic internal models for structurally robust periodic output regulation. Systems and Control Letters, 2022, 161, 105154.   | 2.3 | 5         |
| 5  | Stubborn and Dead-Zone Redesign for Nonlinear Observers and Filters. IEEE Transactions on Automatic Control, 2021, 66, 667-682.  | 5.7 | 16        |
| 6  | Observer design via interconnections of second-order mixed sliding-mode/linear differentiators. International Journal of Robust and Nonlinear Control, 2021, 31, 3631-3657.          | 3.7 | 6         |
| 7  | Low-Power High-Gain Observers. , 2021, , 1158-1165.  |     | 0         |
| 8  | On the use of low-pass filters in high-gain observers. Systems and Control Letters, 2021, 148, 104856.   | 2.3 | 23        |
| 9  | Forwarding techniques for the global stabilization of dissipative infinite-dimensional systems coupled with an ODE. Mathematics of Control, Signals, and Systems, 2021, 33, 755-774. | 2.3 | 11        |
| 10 | Repetitive control design based on forwarding for nonlinear minimum-phase systems. Automatica, 2021, 129, 109671.  | 5.0 | 18        |
| 11 | Sufficient metric conditions for synchronization of leader-connected homogeneous nonlinear multi-agent systems. IFAC-PapersOnLine, 2021, 54, 412-417.                                | 0.9 | 6         |
| 12 | Output-feedback repetitive control for minimum-phase nonlinear systems with arbitrarily relative degree. IFAC-PapersOnLine, 2021, 54, 464-469.                                       | 0.9 | 4         |
| 13 | Robust Output Set-Point Tracking for a Power Flow Controller via Forwarding Design. , 2021, , .  |     | 2         |
| 14 | Uniting Observers. IEEE Transactions on Automatic Control, 2020, 65, 2867-2882.  | 5.7 | 13        |
| 15 | Forwarding design for stabilization of a coupled transport equation-ODE with a cone-bounded input nonlinearity. , 2020, , .  |     | 3         |
| 16 | Low-Power High-Gain Observers. , 2020, , 1-8.  |     | 0         |
| 17 | Robust Control of a Class of Bilinear Systems by Forwarding: Application to Counter Current Heat Exchanger. IFAC-PapersOnLine, 2020, 53, 11515-11520.                                | 0.9 | 13        |
| 18 | Supervised Output Regulation via Iterative Learning Control for Rejecting Unknown Periodic Disturbances. IFAC-PapersOnLine, 2020, 53, 1427-1432.                                     | 0.9 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Adaptive low-power high-gain observers for lower-triangular systems with input-dependent Lipschitz constant. IFAC-PapersOnLine, 2020, 53, 4904-4909.   | 0.9 | 0         |
| 20 | Mixing sliding mode and linear differentiators for 2nd and 3rd order systems. IFAC-PapersOnLine, 2020, 53, 5093-5098.  | 0.9 | 1         |
| 21 | Synchronization in Networks of Identical Nonlinear Systems via Dynamic Dead Zones. , 2019, 3, 667-672.   |     | 16        |
| 22 | Stabilization of nonlinear systems in presence of filtered output via extended high-gain observers. Automatica, 2019, 110, 108594.   | 5.0 | 0         |
| 23 | Design of local observers for autonomous nonlinear systems not in observability canonical form. Automatica, 2019, 103, 443-449.  | 5.0 | 15        |
| 24 | Redesign of discrete-time nonlinear observers with state estimate constrained in prescribed convex set. IFAC-PapersOnLine, 2019, 52, 454-459.  | 0.9 | 2         |
| 25 | Emulation-based output regulation of linear networked control systems subject to scheduling and uncertain transmission intervals. IFAC-PapersOnLine, 2019, 52, 526-531.                          | 0.9 | 8         |
| 26 | Francis-Wonham nonlinear viewpoint in output regulation of minimum phase systems. IFAC-PapersOnLine, 2019, 52, 532-537.  | 0.9 | 10        |
| 27 | Synchronization of interconnected linear systems via dynamic saturation redesign. IFAC-PapersOnLine, 2019, 52, 622-627.  | 0.9 | 6         |
| 28 | Multipattern Output Consensus in Networks of Heterogeneous Nonlinear Agents With Uncertain Leader: A Nonlinear Regression Approach. IEEE Transactions on Automatic Control, 2018, 63, 2581-2587. | 5.7 | 13        |
| 29 | About Robustness of Internal Model-Based Control for Linear and Nonlinear Systems. , 2018, , .   |     | 10        |
| 30 | Integral action for uncertain switched affine systems with application to DC/DC converters. , 2018, , .  |     | 4         |
| 31 | Output Injection Filtering Redesign in High-Gain Observers. , 2018, , .  |     | 11        |
| 32 | Low-power peaking-free high-gain observers. Automatica, 2018, 98, 169-179.   | 5.0 | 59        |
| 33 | Emulation-based semiglobal output regulation of minimum phase nonlinear systems with sampled measurements. , 2018, , .   |     | 7         |
| 34 | High-gain observers with limited gain power for systems with observability canonical form. Automatica, 2017, 75, 16-23.  | 5.0 | 34        |
| 35 | Integral Action in Output Feedback for Multi-Input Multi-Output Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 1559-1574.  | 5.7 | 51        |
| 36 | Stubborn ISS Redesign for Nonlinear High-Gain Observers. IFAC-PapersOnLine, 2017, 50, 15422-15427.   | 0.9 | 13        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Uniting local and global observers for the state estimation of nonlinear continuous-time systems. , 2017, , .   |     | 5         |
| 38 | Output Regulation via Low-Power Construction. Lecture Notes in Control and Information Sciences, 2017, , 143-165.   | 1.0 | 4         |
| 39 | Low-power peaking-free high-gain observers for nonlinear systems. , 2016, , .   |     | 19        |
| 40 | Robust internal model design by nonlinear regression via low-power high-gain observers. , 2016, , .   |     | 7         |
| 41 | Sensitivity to High-Frequency Measurement Noise of Nonlinear High-Gain Observers. IFAC-PapersOnLine, 2016, 49, 862-866.   | 0.9 | 25        |
| 42 | Approximate regulation for nonlinear systems in presence of periodic disturbances. , 2015, , .  |     | 12        |
| 43 | Output stabilization for a class of nonlinear systems via high-gain observer with limited gain power. IFAC-PapersOnLine, 2015, 48, 730-735.   | 0.9 | 14        |
| 44 | A High-Gain Nonlinear Observer With Limited Gain Power. IEEE Transactions on Automatic Control, 2015, 60, 3059-3064.  | 5.7 | 149       |
| 45 | Output feedback stabilization for SISO nonlinear systems with an observer in the original coordinates. , 2013, , .  |     | 15        |
| 46 | Nonlinear Output Regulation by Post-processing Internal Model for Multi-Input Multi-Output Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 295-300. | 0.4 | 17        |
| 47 | A Note on Observability Canonical Forms for Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 436-438.                                      | 0.4 | 2         |