

Liang Liu

List of Publications by Year in descending order

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49
papers

1,187
citations

471509

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377865

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49
docs citations

49
times ranked

685
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Output-feedback stabilization for stochastic high-order nonlinear systems with time-varying delay. <i>Automatica</i> , 2011, 47, 2772-2779. | 5.0 | 161 |
| 2 | A Homogeneous Domination Approach to State Feedback of Stochastic High-Order Nonlinear Systems With Time-Varying Delay. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 494-499. | 5.7 | 132 |
| 3 | State feedback stabilization for stochastic feedforward nonlinear systems with time-varying delay. <i>Automatica</i> , 2013, 49, 936-942. | 5.0 | 121 |
| 4 | Further results on output feedback stabilization for stochastic high-order nonlinear systems with time-varying delay. <i>Automatica</i> , 2012, 48, 2577-2586. | 5.0 | 111 |
| 5 | Robust Tracking Control of Robot Manipulators With Actuator Faults and Joint Velocity Measurement Uncertainty. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1354-1365. | 5.8 | 88 |
| 6 | Improved Results on Asymptotic Stabilization for Stochastic Nonlinear Time-Delay Systems With Application to a Chemical Reactor System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 195-204. | 9.3 | 77 |
| 7 | Adaptive partial-state feedback control for stochastic high-order nonlinear systems with stochastic input-to-state stable inverse dynamics. <i>Automatica</i> , 2015, 51, 285-291. | 5.0 | 66 |
| 8 | Robust Design Strategy of Quantized Feedback Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 730-734. | 3.0 | 49 |
| 9 | Decentralized adaptive stabilization for interconnected systems with dynamic input-output and nonlinear interactions. <i>Automatica</i> , 2010, 46, 1060-1067. | 5.0 | 42 |
| 10 | State-feedback stabilization for stochastic high-order nonlinear systems with SISS inverse dynamics. <i>Asian Journal of Control</i> , 2012, 14, 207-216. | 3.0 | 38 |
| 11 | Global output-feedback stabilisation of switched stochastic nonlinear time-delay systems under arbitrary switchings. <i>IET Control Theory and Applications</i> , 2015, 9, 283-292. | 2.1 | 36 |
| 12 | Global asymptotic stabilization of stochastic feedforward nonlinear systems with input time-delay. <i>Nonlinear Dynamics</i> , 2016, 83, 1503-1510. | 5.2 | 26 |
| 13 | Global output feedback stabilisation for a class of stochastic feedforward nonlinear systems with state time delay. <i>IET Control Theory and Applications</i> , 2015, 9, 963-971. | 2.1 | 24 |
| 14 | Finite-time output feedback control for a class of stochastic low-order nonlinear systems. <i>International Journal of Control</i> , 2017, 90, 1457-1465. | 1.9 | 21 |
| 15 | From Core-Shell to Yolk-Shell: Improved Catalytic Performance toward CoFe_2O_4 @ Hollow Mesoporous TiO_2 toward Selective Oxidation of Styrene. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19938-19951. | 3.7 | 21 |
| 16 | Output-feedback Stabilization for Stochastic High-order Nonlinear Systems with a Ratio of Odd Integers Power. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 858-864. | 1.5 | 19 |
| 17 | A General Tracking Control Framework for Uncertain Systems With Exponential Convergence Performance. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 111-120. | 5.8 | 19 |
| 18 | Direct adaptive neural control of nonlinear strict-feedback systems with unmodeled dynamics using small-gain approach. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016, 30, 906-927. | 4.1 | 18 |

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|----|--|-----|-----------|
| 19 | Output-feedback Stabilization for Stochastic High-order Nonlinear Systems with a Ratio of Odd Integers Power. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 858-864. | 0.3 | 18 |
| 20 | Decentralized adaptive approximation-based fuzzy output-feedback control of uncertain switched stochastic interconnected nonlinear systems. <i>Journal of the Franklin Institute</i> , 2017, 354, 7306-7325. | 3.4 | 15 |
| 21 | Global stabilisation for a class of switched high-order stochastic nonlinear systems. <i>International Journal of Control</i> , 2017, 90, 1916-1924. | 1.9 | 13 |
| 22 | Decentralised output-feedback control for a class of large-scale stochastic high-order upper-triangular nonlinear systems. <i>International Journal of Systems Science</i> , 2017, 48, 838-848. | 5.5 | 12 |
| 23 | Observer-based decentralized control of large-scale stochastic high-order feedforward systems with multi time delays. <i>Journal of the Franklin Institute</i> , 2019, 356, 9627-9645. | 3.4 | 12 |
| 24 | Output feedback stabilization for stochastic high-order nonlinear systems with SISS-like inverse dynamic. <i>Journal of the Franklin Institute</i> , 2015, 352, 5897-5914. | 3.4 | 9 |
| 25 | Global decentralized output-feedback stabilization of large-scale stochastic high-order nonlinear systems with multi-delays. <i>Journal of the Franklin Institute</i> , 2016, 353, 3944-3965. | 3.4 | 8 |
| 26 | Continuous output-feedback control for a class of switched high-order planar systems and its application. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 4323-4332. | 3.7 | 7 |
| 27 | Global Stabilization for a Class of Stochastic High-Order Feedforward Nonlinear Systems Via Homogeneous Domination Approach. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 2723-2740. | 2.0 | 6 |
| 28 | Asymptotic stabilization of stochastic high-order upper-triangular nonlinear systems with input time-varying delay. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 1898-1905. | 1.7 | 5 |
| 29 | New results on the fourth moment exponentially stable for a class of stochastic nonlinear systems and its application. <i>Nonlinear Dynamics</i> , 2017, 89, 1279-1287. | 5.2 | 3 |
| 30 | Further results on output-feedback stabilization of stochastic upper-triangular systems with state and input time-delays. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 2408-2415. | 1.7 | 3 |
| 31 | Parameter-dependent controller design of stochastic strict feedforward nonlinear systems. <i>Journal of the Franklin Institute</i> , 2021, 358, 8929-8942. | 3.4 | 2 |
| 32 | State-Feedback Stabilization for a Class of Stochastic Feedforward Nonlinear Time-Delay Systems. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-8. | 0.7 | 1 |
| 33 | State Feedback Control for Stochastic Feedforward Nonlinear Systems. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-6. | 1.1 | 1 |
| 34 | Global Asymptotic Output Feedback Stabilization for a Class of Stochastic High-Order Planar Systems. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 2959-2970. | 2.0 | 1 |
| 35 | Attitude Tracking Control of 3-DOF Helicopter Based on Disturbance Observer. , 2019, , . | | 1 |
| 36 | Diagnose Lung Cancer and Human-Machine Interaction Based on CNN and NLP. , 2021, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 37 | Output feedback control for high-order stochastic nonlinear time-delay systems. , 2012, , . | | 0 |
| 38 | State-feedback stabilization of stochastic feedforward nonlinear time-delay systems. , 2014, , . | | 0 |
| 39 | Output feedback control of a class of switched stochastic nonlinear time-delay systems. , 2015, , . | | 0 |
| 40 | Output feedback design for stochastic feedforward nonlinear time-delay systems. , 2015, , . | | 0 |
| 41 | Global output feedback control for a class of switched high-order planar systems. , 2016, , . | | 0 |
| 42 | Global state-feedback control for a class of high-order stochastic upper-triangular systems with input time-varying delay. , 2016, , . | | 0 |
| 43 | Global stabilization of stochastic time delay systems. , 2017, , . | | 0 |
| 44 | The 4th moment exponentially stable of stochastic nonlinear systems. , 2017, , . | | 0 |
| 45 | Decentralized State Feedback Control for Large-Scale Stochastic High-Order Nonlinear Time-Delay Systems. , 2018, , . | | 0 |
| 46 | Output-feedback stabilization of stochastic upper-triangular time-delay systems. , 2018, , . | | 0 |
| 47 | State Feedback Control of Upper-triangular Stochastic Time-delay Systems. , 2018, , . | | 0 |
| 48 | Decentralized Control of Large-Scale Stochastic High-Order Upper-Triangular Time-Delay Systems. , 2019, , . | | 0 |
| 49 | Decentralized Output Feedback Control of Large-Scale Stochastic High-Order Feedforward Time-Delay Systems. , 2019, , . | | 0 |