

Ole Morten Aamo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9992022/publications.pdf>

Version: 2024-02-01

62
papers

1,029
citations

759233

12
h-index

839539

18
g-index

62
all docs

62
docs citations

62
times ranked

374
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Boundary Feedback Control of $2\tilde{A}-2$ Quasilinear Hyperbolic Systems: Predictive Synthesis and Robustness Analysis. IEEE Transactions on Automatic Control, 2022, 67, 1397-1413. | 5.7 | 3 |
| 2 | Observer Design for a Class of Semilinear Hyperbolic PDEs With Distributed Sensing and Parametric Uncertainties. IEEE Transactions on Automatic Control, 2022, 67, 134-145. | 5.7 | 3 |
| 3 | At-bit estimation of rock density from real-time drilling data using deep learning with online calibration. Journal of Petroleum Science and Engineering, 2021, 206, 109006. | 4.2 | 13 |
| 4 | A divided and prioritized experience replay approach for streaming regression. MethodsX, 2021, 8, 101571. | 1.6 | 1 |
| 5 | Adaptive Control of a Scalar 1-D Linear Hyperbolic PDE with Uncertain Transport Speed Using Boundary Sensing. , 2020, , . | | 7 |
| 6 | Adaptive Observer Design for an $n + 1$ Hyperbolic PDE with Uncertainty and Sensing on Opposite Ends. , 2020, , . | | 0 |
| 7 | Minimum Time Bilateral Observer Design for 2×2 Linear Hyperbolic Systems. , 2019, , . | | 1 |
| 8 | Extremum seeking for real-time optimal drilling control. , 2019, , . | | 13 |
| 9 | An Adaptive Observer Design for $2\tilde{A}-2$ Semi-linear Hyperbolic Systems using Distributed Sensing. , 2019, , . | | 1 |
| 10 | A Least-Squares Scheme Utilizing Fast Propagating Shock Waves for Early Kick Estimation in Drilling. , 2019, , . | | 0 |
| 11 | Boundary Set-Point Regulation of a Linear $2\tilde{A}-2$ Hyperbolic PDE with Uncertain Bilinear Boundary Condition. , 2018, , . | | 0 |
| 12 | Adaptive Output-Feedback Stabilization of $2\tilde{A}-2$ Linear Hyperbolic PDEs with Actuator and Sensor Delay. , 2018, , . | | 1 |
| 13 | Control of a Time-Variant 1-D Linear Hyperbolic PDE Using Infinite-Dimensional Backstepping. , 2018, , . | | 2 |
| 14 | Model Reference Adaptive Control of 2×2 Coupled Linear Hyperbolic PDEs. IEEE Transactions on Automatic Control, 2018, 63, 2405-2420. | 5.7 | 26 |
| 15 | Adaptive Stabilization of 2×2 Linear Hyperbolic Systems With an Unknown Boundary Parameter From Collocated Sensing and Control. IEEE Transactions on Automatic Control, 2017, 62, 6237-6249. | 5.7 | 30 |
| 16 | Rejecting Unknown Harmonic Disturbances in 2×2 Linear Hyperbolic PDEs. IEEE Transactions on Control Systems Technology, 2017, 25, 1935-1946. | 5.2 | 5 |
| 17 | Cascaded bottom hole pressure control in managed pressure drilling. , 2017, , . | | 4 |
| 18 | Boundary control of $n + 1$ coupled linear hyperbolic PDEs with uncertain boundary parameters. , 2017, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | Rejecting heave-induced pressure oscillations in a semilinear hyperbolic well model. , 2017, , . | | 5 |
| 20 | State estimation in hyperbolic PDEs coupled with an uncertain LTI system. , 2017, , . | | 1 |
| 21 | Adaptive disturbance rejection in 2 \tilde{A} - 2 Linear Hyperbolic PDEs. , 2017, , . | | 0 |
| 22 | Bottom hole pressure control for oil well drilling using model reference adaptive control. , 2017, , . | | 1 |
| 23 | Frequency domain analysis of backstepping-based disturbance rejection in a linear hyperbolic system. , 2017, , . | | 2 |
| 24 | Estimation of parameters in a class of hyperbolic systems with uncertain transport speeds. , 2017, , . | | 4 |
| 25 | Inverse optimal stabilization of 2 \tilde{A} - 2 linear hyperbolic partial differential equations. , 2017, , . | | 0 |
| 26 | Model reference adaptive control of an unstable 1-D hyperbolic PDE. , 2017, , . | | 8 |
| 27 | Estimation of an uncertain bilinear boundary condition in linear 2 \tilde{A} - 2 hyperbolic systems with application to drilling. , 2017, , . | | 0 |
| 28 | Two-sided boundary control and state estimation of 2 \tilde{A} - 2 semilinear hyperbolic systems. , 2017, , . | | 4 |
| 29 | Control system design for concrete irrigation channels. , 2017, , . | | 0 |
| 30 | Adaptive stabilization of a system of $n + 1$ coupled linear hyperbolic PDEs from boundary sensing. , 2017, , . | | 2 |
| 31 | Adaptive set-point regulation of linear 2 \tilde{A} - 2 hyperbolic systems with uncertain affine boundary condition using collocated sensing and control. , 2017, , . | | 2 |
| 32 | Adaptive stabilization of linear 2 \tilde{A} - 2 hyperbolic PDEs with spatially varying coefficients using swapping. , 2017, , . | | 2 |
| 33 | Adaptive state feedback stabilization of $n + 1$ coupled linear hyperbolic PDEs. , 2017, , . | | 3 |
| 34 | Stabilization of linear 2 \tilde{A} - 2 hyperbolic systems with uncertain coupling coefficients - part I: Identifier-based design. , 2016, , . | | 20 |
| 35 | Stabilization of linear 2 \tilde{A} - 2 hyperbolic systems with uncertain coupling coefficients - part II: Swapping design. , 2016, , . | | 20 |
| 36 | Estimating the left boundary condition of coupled 1-D linear hyperbolic PDEs from right boundary sensing. , 2016, , . | | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Boundary parameter and state estimation in 2×2 linear hyperbolic PDEs using adaptive backstepping. , 2016, , . | | 8 |
| 38 | A swapping design based adaptive observer for $n + 1$ coupled linear hyperbolic PDEs. , 2016, , . | | 3 |
| 39 | Stabilization of a linear 2×2 hyperbolic system with an uncertain boundary parameter from collocated sensing and control. , 2016, , . | | 2 |
| 40 | Stabilization of a linear 2×2 hyperbolic system with uncertain parameters from anti-collocated sensing and control. , 2016, , . | | 3 |
| 41 | Leak Detection, Size Estimation and Localization in Pipe Flows. IEEE Transactions on Automatic Control, 2016, 61, 246-251. | 5.7 | 80 |
| 42 | An Adaptive Observer Design for $n+1$ Coupled Linear Hyperbolic PDEs Based on Swapping. IEEE Transactions on Automatic Control, 2016, 61, 3979-3990. | 5.7 | 63 |
| 43 | A model reduction algorithm for irrational transfer functions with application to leak detection in pipelines. , 2015, , . | | 1 |
| 44 | State estimation for nonlinear hyperbolic PDE-ODE cascade systems. , 2015, , . | | 5 |
| 45 | Disturbance Rejection in the Interior Domain of Linear 2×2 Hyperbolic Systems. IEEE Transactions on Automatic Control, 2015, 60, 186-191. | 5.7 | 61 |
| 46 | Suppressing Pressure Oscillations in Offshore Drilling: Control Design and Experimental Results. IEEE Transactions on Control Systems Technology, 2015, 23, 813-819. | 5.2 | 24 |
| 47 | Attenuation of Vortex Shedding by Model-Based Output Feedback Control. IEEE Transactions on Control Systems Technology, 2013, 21, 617-625. | 5.2 | 5 |
| 48 | Disturbance rejection in 2×2 linear hyperbolic systems. IEEE Transactions on Automatic Control, 2013, 58, 1095-1106. | 5.7 | 174 |
| 49 | Modeling and Control of Heave-Induced Pressure Fluctuations in Managed Pressure Drilling. IEEE Transactions on Control Systems Technology, 2013, 21, 1340-1351. | 5.2 | 96 |
| 50 | Application of an infinite-dimensional observer for drilling systems incorporating kick and loss detection. , 2013, , . | | 15 |
| 51 | Attenuation of heave-induced pressure oscillations in offshore drilling systems. , 2012, , . | | 11 |
| 52 | Model-based estimation and control of in/out-flux during drilling. , 2012, , . | | 14 |
| 53 | Adaptive estimation of downhole pressure for Managed Pressure Drilling operations. , 2011, , . | | 5 |
| 54 | Adaptive Redesign of Nonlinear Observers. IEEE Transactions on Automatic Control, 2011, 56, 1152-1157. | 5.7 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Switched Control for Pressure Regulation and Kick Attenuation in a Managed Pressure Drilling System. IEEE Transactions on Control Systems Technology, 2011, 19, 337-350. | 5.2 | 79 |
| 56 | Adaptive observer design for nonlinear systems with parametric uncertainties in unmeasured state dynamics. , 2009, , . | | 14 |
| 57 | Pressure regulation with kick attenuation in a managed pressure drilling system. , 2009, , . | | 20 |
| 58 | Adaptive output feedback control of a managed pressure drilling system. , 2008, , . | | 11 |
| 59 | Adaptive observer design for the bottomhole pressure of a managed pressure drilling system. , 2008, , . | | 58 |
| 60 | Dynamic Positioning of Moored Vessels Based on Structural Reliability. , 2006, , . | | 12 |
| 61 | Feedback control of particle dispersion in bluff body wakes. International Journal of Control, 2004, 77, 1001-1018. | 1.9 | 7 |
| 62 | A winwin mechanism for low-drag transients in controlled two-dimensional channel flow and its implications for sustained drag reduction. Journal of Fluid Mechanics, 2004, 499, 183-196. | 3.4 | 29 |