

# 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	Disturbance rejection in 2 x 2 linear hyperbolic systems. IEEE Transactions on Automatic Control, 2013, 58, 1095-1106.	5.7	174
2	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
3	Leak Detection, Size Estimation and Localization in Pipe Flows. IEEE Transactions on Automatic Control, 2016, 61, 246-251.	5.7	80
4	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
5	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
6	Disturbance Rejection in the Interior Domain of Linear $2 \times 2$ Hyperbolic Systems. IEEE Transactions on Automatic Control, 2015, 60, 186-191.	5.7	61
7	Adaptive observer design for the bottomhole pressure of a managed pressure drilling system. , 2008, , .		58
8	Adaptive Redesign of Nonlinear Observers. IEEE Transactions on Automatic Control, 2011, 56, 1152-1157.	5.7	31
9	Adaptive Stabilization of $2 \times 2$ 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
10	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
11	Model Reference Adaptive Control of $2 \times 2$ Coupled Linear Hyperbolic PDEs. IEEE Transactions on Automatic Control, 2018, 63, 2405-2420.	5.7	26
12	Suppressing Pressure Oscillations in Offshore Drilling: Control Design and Experimental Results. IEEE Transactions on Control Systems Technology, 2015, 23, 813-819.	5.2	24
13	Pressure regulation with kick attenuation in a managed pressure drilling system. , 2009, , .		20
14	Stabilization of linear $2 \times 2$ hyperbolic systems with uncertain coupling coefficients - part I: Identifier-based design. , 2016, , .		20
15	Stabilization of linear $2 \times 2$ hyperbolic systems with uncertain coupling coefficients - part II: Swapping design. , 2016, , .		20
16	Application of an infinite-dimensional observer for drilling systems incorporating kick and loss detection. , 2013, , .		15
17	Adaptive observer design for nonlinear systems with parametric uncertainties in unmeasured state dynamics. , 2009, , .		14
18	Model-based estimation and control of in/out-flux during drilling. , 2012, , .		14

#	ARTICLE	IF	CITATIONS
19	Estimating the left boundary condition of coupled 1-D linear hyperbolic PDEs from right boundary sensing. , 2016, , .		13
20	Extremum seeking for real-time optimal drilling control. , 2019, , .		13
21	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
22	Dynamic Positioning of Moored Vessels Based on Structural Reliability. , 2006, , .		12
23	Adaptive output feedback control of a managed pressure drilling system. , 2008, , .		11
24	Attenuation of heave-induced pressure oscillations in offshore drilling systems. , 2012, , .		11
25	Boundary parameter and state estimation in 2 $\ddot{A}$ — 2 linear hyperbolic PDEs using adaptive backstepping. , 2016, , .		8
26	Model reference adaptive control of an unstable 1-D hyperbolic PDE. , 2017, , .		8
27	Feedback control of particle dispersion in bluff body wakes. International Journal of Control, 2004, 77, 1001-1018.	1.9	7
28	Adaptive Control of a Scalar 1-D Linear Hyperbolic PDE with Uncertain Transport Speed Using Boundary Sensing. , 2020, , .		7
29	Adaptive estimation of downhole pressure for Managed Pressure Drilling operations. , 2011, , .		5
30	Attenuation of Vortex Shedding by Model-Based Output Feedback Control. IEEE Transactions on Control Systems Technology, 2013, 21, 617-625.	5.2	5
31	State estimation for nonlinear hyperbolic PDE-ODE cascade systems. , 2015, , .		5
32	Rejecting Unknown Harmonic Disturbances in $\$ 2 \text{ imes } 2 \$$ Linear Hyperbolic PDEs. IEEE Transactions on Control Systems Technology, 2017, 25, 1935-1946.	5.2	5
33	Rejecting heave-induced pressure oscillations in a semilinear hyperbolic well model. , 2017, , .		5
34	Cascaded bottom hole pressure control in managed pressure drilling. , 2017, , .		4
35	Estimation of parameters in a class of hyperbolic systems with uncertain transport speeds. , 2017, , .		4
36	Two-sided boundary control and state estimation of 2 $\ddot{A}$ — 2 semilinear hyperbolic systems. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
37	A swapping design based adaptive observer for $n + 1$ coupled linear hyperbolic PDEs. , 2016, , .		3
38	Stabilization of a linear $2\tilde{A}-2$ hyperbolic system with uncertain parameters from anti-collocated sensing and control. , 2016, , .		3
39	Adaptive state feedback stabilization of $n + 1$ coupled linear hyperbolic PDEs. , 2017, , .		3
40	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
41	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
42	Stabilization of a linear $2\tilde{A}-2$ hyperbolic system with an uncertain boundary parameter from collocated sensing and control. , 2016, , .		2
43	Frequency domain analysis of backstepping-based disturbance rejection in a linear hyperbolic system. , 2017, , .		2
44	Adaptive stabilization of a system of $n + 1$ coupled linear hyperbolic PDEs from boundary sensing. , 2017, , .		2
45	Adaptive set-point regulation of linear $2\tilde{A}-2$ hyperbolic systems with uncertain affine boundary condition using collocated sensing and control. , 2017, , .		2
46	Adaptive stabilization of linear $2\tilde{A}-2$ hyperbolic PDEs with spatially varying coefficients using swapping. , 2017, , .		2
47	Control of a Time-Variant 1-D Linear Hyperbolic PDE Using Infinite-Dimensional Backstepping. , 2018, , .		2
48	A model reduction algorithm for irrational transfer functions with application to leak detection in pipelines. , 2015, , .		1
49	Boundary control of $n + 1$ coupled linear hyperbolic PDEs with uncertain boundary parameters. , 2017, , .		1
50	State estimation in hyperbolic PDEs coupled with an uncertain LTI system. , 2017, , .		1
51	Bottom hole pressure control for oil well drilling using model reference adaptive control. , 2017, , .		1
52	Adaptive Output-Feedback Stabilization of $2\tilde{A}-2$ Linear Hyperbolic PDEs with Actuator and Sensor Delay. , 2018, , .		1
53	Minimum Time Bilateral Observer Design for $2 \times 2$ Linear Hyperbolic Systems. , 2019, , .		1
54	An Adaptive Observer Design for $2\tilde{A}-2$ Semi-linear Hyperbolic Systems using Distributed Sensing. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	A divided and prioritized experience replay approach for streaming regression. <i>MethodsX</i> , 2021, 8, 101571.	1.6	1
56	Adaptive disturbance rejection in 2 $\tilde{A}$ - 2 Linear Hyperbolic PDEs. , 2017, , .		0
57	Inverse optimal stabilization of 2 $\tilde{A}$ - 2 linear hyperbolic partial differential equations. , 2017, , .		0
58	Estimation of an uncertain bilinear boundary condition in linear 2 $\tilde{A}$ - 2 hyperbolic systems with application to drilling. , 2017, , .		0
59	Control system design for concrete irrigation channels. , 2017, , .		0
60	Boundary Set-Point Regulation of a Linear 2 $\tilde{A}$ - 2 Hyperbolic PDE with Uncertain Bilinear Boundary Condition. , 2018, , .		0
61	A Least-Squares Scheme Utilizing Fast Propagating Shock Waves for Early Kick Estimation in Drilling. , 2019, , .		0
62	Adaptive Observer Design for an $n + 1$ Hyperbolic PDE with Uncertainty and Sensing on Opposite Ends. , 2020, , .		0