

# Henrik Anfinsen

## List of Publications by Year in descending order

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53  
papers

566  
citations

758635

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713013

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docs citations

53  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum time observer designs for $n \times m$ linear hyperbolic systems with unilateral, bilateral or pointwise in-domain sensing. European Journal of Control, 2021, 61, 58-67.	1.6	2
2	Adaptive Control of PDEs. , 2021, , 11-17.		0
3	Reducing Overparametrization in MRAC for Hyperbolic PDEs. , 2020, , .		0
4	Adaptive Control of a Linear Hyperbolic PDE with Uncertain Transport Speed and a Spatially Varying Coefficient. , 2020, , .		4
5	Adaptive Control of a Linear, Scalar Hyperbolic PDE with Time-Varying Coefficients. , 2020, , .		0
6	Adaptive Control of a Scalar 1-D Linear Hyperbolic PDE with Uncertain Transport Speed Using Boundary Sensing. , 2020, , .		7
7	Stabilization and tracking control of a time-variant linear hyperbolic PIDE using backstepping. Automatica, 2020, 116, 108929.	3.0	7
8	Adaptive set-point regulation of linear $2 \times 2$ hyperbolic systems with application to the kick and loss problem in drilling. Automatica, 2020, 119, 109078.	3.0	6
9	Adaptive Control of PDEs. , 2020, , 1-7.		0
10	Adaptive Output-Feedback: Uncertain In-Domain Parameters. Communications and Control Engineering, 2019, , 207-225.	1.0	0
11	Adaptive Output-Feedback: Uncertain Boundary Condition. Communications and Control Engineering, 2019, , 299-315.	1.0	0
12	Adaptive Output-Feedback: Uncertain Boundary Condition. Communications and Control Engineering, 2019, , 175-206.	1.0	0
13	Minimum Time Bilateral Observer Design for $2 \times 2$ Linear Hyperbolic Systems. , 2019, , .		1
14	A note on establishing convergence in adaptive systems. Automatica, 2018, 93, 545-549.	3.0	8
15	Adaptive control of linear $2 \times 2$ hyperbolic systems. Automatica, 2018, 87, 69-82.	3.0	33
16	Improved Kick and Loss Detection and Attenuation in Managed Pressure Drilling by Utilizing Wired Drill Pipe. IFAC-PapersOnLine, 2018, 51, 44-49.	0.5	8
17	Adaptive Output-Feedback Stabilization of $2 \times 2$ Linear Hyperbolic PDEs with Actuator and Sensor Delay. , 2018, , .		1
18	Control of a Time-Variant 1-D Linear Hyperbolic PDE Using Infinite-Dimensional Backstepping. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Stabilization of a linear hyperbolic PDE with actuator and sensor dynamics. Automatica, 2018, 95, 104-111.	3.0	20
20	Model Reference Adaptive Control of $2 \times 2$ Coupled Linear Hyperbolic PDEs. IEEE Transactions on Automatic Control, 2018, 63, 2405-2420.	3.6	26
21	Adaptive output-feedback stabilization of linear hyperbolic systems using anti-collocated sensing and control. Systems and Control Letters, 2017, 104, 86-94.	1.3	42
22	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.	3.6	30
23	Estimation of boundary parameters in general heterodirectional linear hyperbolic systems. Automatica, 2017, 79, 185-197.	3.0	28
24	Adaptive stabilization of $n \times n$ coupled linear hyperbolic systems with uncertain boundary parameters using boundary sensing. Systems and Control Letters, 2017, 99, 72-84.	1.3	25
25	Disturbance rejection in general heterodirectional 1-D linear hyperbolic systems using collocated sensing and control. Automatica, 2017, 76, 230-242.	3.0	43
26	Rejecting Unknown Harmonic Disturbances in $2 \times 2$ Linear Hyperbolic PDEs. IEEE Transactions on Control Systems Technology, 2017, 25, 1935-1946.	3.2	5
27	Model reference adaptive control of $n \times n$ coupled linear hyperbolic PDEs. Systems and Control Letters, 2017, 109, 1-11.	1.3	8
28	Boundary control of $n + 1$ coupled linear hyperbolic PDEs with uncertain boundary parameters. , 2017, , .		1
29	State estimation in hyperbolic PDEs coupled with an uncertain LTI system. , 2017, , .		1
30	Adaptive disturbance rejection in $2 \times 2$ Linear Hyperbolic PDEs. , 2017, , .		0
31	Bottom hole pressure control for oil well drilling using model reference adaptive control. , 2017, , .		1
32	Adaptive Output Feedback Stabilization of $n + m$ Coupled Linear Hyperbolic PDEs with Uncertain Boundary Conditions. SIAM Journal on Control and Optimization, 2017, 55, 3928-3946.	1.1	14
33	Estimation of parameters in a class of hyperbolic systems with uncertain transport speeds. , 2017, , .		4
34	Inverse optimal stabilization of $2 \times 2$ linear hyperbolic partial differential equations. , 2017, , .		0
35	Model reference adaptive control of an unstable 1-D hyperbolic PDE. , 2017, , .		8
36	Estimation of an uncertain bilinear boundary condition in linear $2 \times 2$ hyperbolic systems with application to drilling. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Adaptive stabilization of a system of $n + 1$ coupled linear hyperbolic PDEs from boundary sensing. , 2017, , .		2
38	Adaptive set-point regulation of linear $2 \tilde{A} - 2$ hyperbolic systems with uncertain affine boundary condition using collocated sensing and control. , 2017, , .		2
39	Adaptive stabilization of linear $2 \tilde{A} - 2$ hyperbolic PDEs with spatially varying coefficients using swapping. , 2017, , .		2
40	Adaptive state feedback stabilization of $n + 1$ coupled linear hyperbolic PDEs. , 2017, , .		3
41	Stabilization of linear $2 \tilde{A} - 2$ hyperbolic systems with uncertain coupling coefficients - part I: Identifier-based design. , 2016, , .		20
42	Stabilization of linear $2 \tilde{A} - 2$ hyperbolic systems with uncertain coupling coefficients - part II: Swapping design. , 2016, , .		20
43	Estimating the left boundary condition of coupled 1-D linear hyperbolic PDEs from right boundary sensing. , 2016, , .		13
44	Boundary parameter and state estimation in $2 \tilde{A} - 2$ linear hyperbolic PDEs using adaptive backstepping. , 2016, , .		8
45	A swapping design based adaptive observer for $n + 1$ coupled linear hyperbolic PDEs. , 2016, , .		3
46	Tracking in Minimum Time in General Linear Hyperbolic PDEs Using Collocated Sensing and Control. IFAC-PapersOnLine, 2016, 49, 234-241.	0.5	6
47	Disturbance Rejection in $n + 1$ Coupled 1-D Linear Hyperbolic PDEs Using Collocated Sensing and Control. IFAC-PapersOnLine, 2016, 49, 192-198.	0.5	14
48	Boundary Parameter and State Estimation in General Linear Hyperbolic PDEs. IFAC-PapersOnLine, 2016, 49, 104-110.	0.5	8
49	Stabilization of a linear $2 \tilde{A} - 2$ hyperbolic system with an uncertain boundary parameter from collocated sensing and control. , 2016, , .		2
50	Stabilization of a linear $2 \tilde{A} - 2$ hyperbolic system with uncertain parameters from anti-collocated sensing and control. , 2016, , .		3
51	An Adaptive Observer Design for $n+1$ Coupled Linear Hyperbolic PDEs Based on Swapping. IEEE Transactions on Automatic Control, 2016, 61, 3979-3990.	3.6	63
52	A model reduction algorithm for irrational transfer functions with application to leak detection in pipelines. , 2015, , .		1
53	Disturbance Rejection in the Interior Domain of Linear $2 \tilde{A} - 2$ Hyperbolic Systems. IEEE Transactions on Automatic Control, 2015, 60, 186-191.	3.6	61