

# Håvard Fjær Grip

## List of Publications by Year in descending order

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49  
papers

1,498  
citations

471371

17  
h-index

552653

26  
g-index

49  
all docs

49  
docs citations

49  
times ranked

934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Output synchronization for heterogeneous networks of non-introspective agents. Automatica, 2012, 48, 2444-2453.	3.0	225
2	Vehicle velocity estimation using nonlinear observers. Automatica, 2006, 42, 2091-2103.	3.0	182
3	Consensus in the network with uniform constant communication delay. Automatica, 2013, 49, 2461-2467.	3.0	112
4	Nonlinear vehicle side-slip estimation with friction adaptation. Automatica, 2008, 44, 611-622.	3.0	109
5	Output synchronization for heterogeneous networks of introspective right-invertible agents. International Journal of Robust and Nonlinear Control, 2014, 24, 1821-1844.	2.1	93
6	Globally exponentially stable attitude and gyro bias estimation with application to GNSS/INS integration. Automatica, 2015, 51, 158-166.	3.0	92
7	Synchronization in networks of minimum-phase, non-introspective agents without exchange of controller states: Homogeneous, heterogeneous, and nonlinear. Automatica, 2015, 54, 246-255.	3.0	72
8	Almost output synchronization for heterogeneous networks of introspective agents under external disturbances. Automatica, 2014, 50, 1026-1036.	3.0	64
9	Semi-global regulation of output synchronization for heterogeneous networks of non-introspective, invertible agents subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2014, 24, 548-566.	2.1	59
10	Observers for interconnected nonlinear and linear systems. Automatica, 2012, 48, 1339-1346.	3.0	50
11	Parameter estimation and compensation in systems with nonlinearly parameterized perturbations. Automatica, 2010, 46, 19-28.	3.0	47
12	Nonlinear observer for GNSS-aided inertial navigation with quaternion-based attitude estimation. , 2013, , .		46
13	Homogeneous networks of non-introspective agents under external disturbances - almost synchronization. Automatica, 2015, 52, 363-372.	3.0	33
14	A nonlinear observer for integration of GNSS and IMU measurements with gyro bias estimation. , 2012, , .		32
15	Almost Output Synchronization for Heterogeneous Networks Without Exchange of Controller States. IEEE Transactions on Control of Network Systems, 2015, 2, 348-357.	2.4	31
16	Nonlinear Observer for Vehicle Velocity with Friction and Road Bank Angle Adaptation - Validation and Comparison with an Extended Kalman Filter. , 0, , .		30
17	On the existence of virtual exosystems for synchronized linear networks. Automatica, 2013, 49, 3145-3148.	3.0	26
18	Synchronization in a network of identical discrete-time agents with uniform constant communication delay. International Journal of Robust and Nonlinear Control, 2014, 24, 3076-3091.	2.1	25

#	ARTICLE	IF	CITATIONS
19	Output consensus for networks of non-identical introspective agents. , 2011, , .		19
20	Estimation of states and parameters for linear systems with nonlinearly parameterized perturbations. Systems and Control Letters, 2011, 60, 771-777.	1.3	19
21	Structural decomposition of linear multivariable systems using symbolic computations. International Journal of Control, 2010, 83, 1414-1426.	1.2	17
22	Stabilization of a Class of Sandwich Systems Via State Feedback \$ \$. IEEE Transactions on Automatic Control, 2010, 55, 2156-2160.	3.6	12
23	Control of a chain of integrators subject to actuator saturation and disturbances. International Journal of Robust and Nonlinear Control, 2012, 22, 1562-1570.	2.1	12
24	Control of open-loop neutrally stable systems subject to actuator saturation and external disturbances. International Journal of Robust and Nonlinear Control, 2013, 23, 229-240.	2.1	12
25	Further results on the disturbance response of a double integrator controlled by a saturating linear static state feedback. Automatica, 2012, 48, 430-435.	3.0	10
26	Autonomous underwater vehicle navigation using moving baseline on a target ship. , 2010, , .		7
27	Stabilization of nonlinear sandwich systems via state feedbackâ€”Discrete-time systems. International Journal of Robust and Nonlinear Control, 2011, 21, 1841-1864.	2.1	7
28	Decentralized control for output synchronization in heterogeneous networks of non-introspective agents. , 2012, , .		7
29	High-gain observer design for multi-output systems: Transformation to a canonical form by dynamic output shaping. International Journal of Robust and Nonlinear Control, 2014, 24, 1016-1042.	2.1	6
30	Synchronization in time-varying networks of non-introspective agents without exchange of controller states. , 2014, , .		6
31	State and parameter estimation for linear systems with nonlinearly parameterized perturbations. , 2009, , .		5
32	Almost output synchronization for heterogeneous time-varying networks for a class of non-introspective, nonlinear agents without exchange of controller states. International Journal of Robust and Nonlinear Control, 2016, 26, 3883-3899.	2.1	5
33	Simultaneous external and internal stabilization of linear systems with input saturation and non-input-additive sustained disturbances. Automatica, 2012, 48, 2633-2639.	3.0	4
34	Consensus in the network with uniform constant communication delay. , 2012, , .		3
35	A new low-and-high gain feedback design using MPC for global stabilization of linear systems subject to input saturation. , 2012, , .		3
36	Stabilization of a class of sandwich nonlinear systems via state feedback. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
37	High-gain observer design for domination of nonlinear perturbations: Transformation to a canonical form by dynamic output shaping. , 2010, , .		2
38	State and Parameter Estimation for Nonlinearly Parameterized Systems: An H <sup>∞</sup> -Based Approach*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2997-3002.	0.4	2
39	Control of linear systems with input saturation and non-input-additive sustained disturbances &#x2014; Continuous-time systems. , 2012, , .		2
40	Semi-global regulation of output synchronization for heterogeneous networks of non-introspective, invertible agents subject to actuator saturation. , 2012, , .		2
41	Almost regulated output synchronization for heterogeneous time-varying networks of non-introspective, nonlinear agents without exchange of controller states. , 2015, , .		2
42	Observer design in the presence of periodic output disturbances by mixing of past and present output data. , 2009, , .		1
43	Remarks on the relationship between $\ p\ _{\infty}$ stability and internal stability of nonlinear systems. , 2011, , .		1
44	Consensus in the network with uniform constant communication delay. , 2012, , .		1
45	Synchronization for homogeneous networks of non-introspective, non-right-invertible, discrete-time agents with uniform constant communication delay. , 2013, , .		1
46	Control of linear systems with input saturation and non-input-additive sustained disturbances &#x2014; Discrete-time systems. , 2012, , .		0
47	Remarks on the relationship between stability and internal stability of nonlinear systems. International Journal of Robust and Nonlinear Control, 2013, 23, 1822-1827.	2.1	0
48	$\ p\ _{\infty}$ almost output synchronization for heterogeneous networks in the presence of external disturbances without exchange of controller states. , 2014, , .		0
49	$\ p\ _{\infty}$ almost regulated synchronization and $\ p\ _{\infty}$ almost formation for heterogeneous networks under external disturbances. , 2013, , .		0