Anton A Stoorvogel

List of Publications by Year
in descending order

140	1,675	394286	330025
papers	citations	19 h-index	37 g-index

146	146	146	842
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed Cooperative Voltage Control of Multiterminal High-Voltage DC Systems. IEEE Systems Journal, 2022, 16, 176-184.	2.9	0
2	Stochastic String Stability of Vehicle Platoons via Cooperative Adaptive Cruise Control With Lossy Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10912-10922.	4.7	9
3	Scale-Free Cooperative Control of Inverter-Based Microgrids With General Time-Varying Communication Graphs. IEEE Transactions on Power Systems, 2022, 37, 2197-2207.	4.6	7
4	Synchronization of Discrete-Time Linear MAS. Systems and Control: Foundations and Applications, 2022, , 91-148.	0.1	0
5	Regulated Output Synchronization of Heterogeneous Continuous-Time Linear MAS. Systems and Control: Foundations and Applications, 2022, , 489-514.	0.1	0
6	Necessary Conditions for Synchronization of Heterogeneous MAS. Systems and Control: Foundations and Applications, 2022, , 481-488.	0.1	0
7	H âˆž and H 2 Almost Synchronization of Continuous-Time Linear MAS. Systems and Control: Foundations and Applications, 2022, , 433-477.	0.1	0
8	Synchronization of Multi-Agent Systems in the Presence of Disturbances and Delays. Systems and Control: Foundations and Applications, 2022, , .	0.1	7
9	Scaleâ€free collaborative protocols for global regulated state synchronization of discreteâ€time homogeneous networks of nonâ€introspective agents in presence of input saturation. International Journal of Robust and Nonlinear Control, 2022, 32, 5247-5267.	2.1	3
10	Scale-Free Collaborative Protocol Design for Output Synchronization of Heterogeneous Multi-Agent Systems With Nonuniform Communication Delays. IEEE Transactions on Network Science and Engineering, 2022, 9, 2882-2894.	4.1	3
11	Scale-free Collaborative Protocol Design for State Synchronization of Multi-agent Systems in Presence of Unknown Nonuniform and Arbitrarily Large Communication Delays. European Journal of Control, 2022, , 100660.	1.6	0
12	Scaleâ€free protocol design for delayed regulated synchronization of multiâ€agent systems subject to unknown, nonuniform, and arbitrarily large communication delays. International Journal of Robust and Nonlinear Control, 2021, 31, 6369-6391.	2.1	1
13	Scale-free collaborative protocol design for state and regulated state synchronization of multi-agent systems with arbitrary fast convergence. Journal of the Franklin Institute, 2021, 358, 4864-4882.	1.9	2
14	Scale-free protocol design for regulated state synchronization of homogeneous multi-agent systems with unknown and non-uniform input delays. Systems and Control Letters, 2021, 152, 104927.	1.3	3
15	Semi-Global State Synchronization for Multi-Agent Systems Subject to Actuator Saturation and Unknown Nonuniform Input Delay. IEEE Transactions on Network Science and Engineering, 2021, 8, 488-497.	4.1	8
16	Scale-free Design for Delayed Regulated Synchronization of Discrete-time Heterogeneous Multi-agent Systems subject to Unknown Non-uniform and Arbitrarily Large Communication Delays. , 2021, , .		1
17	H2 Almost State Synchronization of Homogeneous Multi-agent Systemsâ€“A Scale-free Design. , 2021, , .		1
18	Scale-free Protocol Design for Hâˆž Almost Output and Regulated Output Synchronization of Heterogeneous Multi-agent Systems. , 2021, , .		1

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19	Hâˆž and H2 almost output and regulated output synchronization of heterogeneous multi-agent systems: A scale-free protocol design. Journal of the Franklin Institute, 2021, 358, 9841-9841.	1.9	2
20	Scale-free State Synchronization of Discrete-time Multi-agent Systems in Presence of Nonuniform Communication Delays. , 2021, , .		0
21	Semi-global state synchronization for discrete-time multi-agent systems subject to actuator saturation and unknown nonuniform input delay. European Journal of Control, 2020, 54, 12-21.	1.6	8
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e256" altimg="si415.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow><mml:mrow><mml:mi>2</mml:mi></mml:mrow></mml:msub></mml:math> almost state synchronization for homogeneous networks of non-introspective agents: A scale-free protocol design. Automatica, 2020, 122, 109276.	3.0	16
23	Output and Regulated Output Synchronization of Heterogeneous Multi-agent Systems: A Scale-free Protocol Design using no Information about Communication Network and the Number of Agents. , 2020, , .		8
24	Regulated State Synchronization for Homogeneous Networks of Non-introspective Agents in Presence of Input Delays: A Scale-Free Protocol Design. , 2020, , .		4
25	Semi-global state synchronization for multi-agent systems subject to actuator saturation and unknown nonuniform input delay. , 2020, , .		2
26	Global regulated state synchronization for homogeneous networks of non-introspective agents in presence of input saturation: Scale-free nonlinear and linear protocol designs. Automatica, 2020, 119, 109041.	3.0	11
27	Scale-free Linear Observer-based Protocol Design for Global Regulated State Synchronization of Homogeneous Multi-agent Systems with Non-introspective Agents Subject to Input Saturation. , 2020, , .		2
28	Scale-free Protocol Design for Output Synchronization of Heterogeneous Multi-agent subject to Unknown, Non-uniform and Arbitrarily Large Input Delays. , 2020, , .		1
29	Synchronization for Homogeneous and Heterogeneous Discrete-time Multi-agent Systems: A Scale-free Protocol Design. , 2020, , .		0
30	Regulated State Synchronization for Discrete-time Homogeneous Networks of Non-introspective Agents in Presence of Unknown Non-uniform Input Delays: A Scale-free Protocol Design. , 2020, , .		2
31	Solvability conditions and design for Hâˆž & H2 almost state synchronization of homogeneous multi-agent systems. European Journal of Control, 2019, 46, 36-48.	1.6	8
32	H 2 and H âˆž almost output synchronization of heterogeneous continuousâ€time multiâ€agent systems with passive agents and partialâ€state coupling via static protocol. International Journal of Robust and Nonlinear Control, 2019, 29, 6244-6255.	2.1	6
33	Squaredâ€down passivityâ€“based state synchronization of homogeneous continuousâ€time multiagent systems via static protocol in the presence of timeâ€varying topology. International Journal of Robust and Nonlinear Control, 2019, 29, 3821-3840.	2.1	5
34	Regulated state synchronization of homogeneous multiagent systems with partialâ€state coupling via lowâ€gain adaptive protocol. International Journal of Robust and Nonlinear Control, 2019, 29, 3518-3528.	2.1	0
35	Delayed state synchronization of continuous-time multi-agent systems in the presence of unknown communication delays. , 2019, , .		4
36	H2 almost output synchronization of heterogeneous continuous-time multi-agent systems with passive agents and partial state coupling via static protocol. , 2019, , .		0

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37	Delayed state synchronization of homogeneous discrete-time multi-agent systems in the presence of unknown communication delays. , 2019, , .		3
38	Global and Semi-global Regulated State Synchronization for Homogeneous Networks of Non-introspective Agents in Presence of Input Saturation- A Scale-free Protocol Design. , 2019, , .		2
39	Achieving Robust Average Consensus Over Lossy Wireless Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 127-137.	2.4	10
40	Regulated State Synchronization of Homogeneous Discrete-Time Multi-Agent Systems via Partial State Coupling in Presence of Unknown Communication Delays. IEEE Access, 2019, 7, 7021-7031.	2.6	8
41	Passivity based state synchronization of homogeneous discrete-time multi-agent systems via static protocol in the presence of input delay. European Journal of Control, 2018, 41, 16-24.	1.6	21
42	Passivityâ€based state synchronization of homogeneous multiagent systems via static protocol in the presence of input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 2720-2741.	2.1	20
43	Solvability conditions and design for synchronization of discreteâ€time multiagent systems. International Journal of Robust and Nonlinear Control, 2018, 28, 1381-1401.	2.1	12
44	Passivity based state synchronization of homogeneous discrete-time multi-agent systems via static protocol in presence of input delay. , 2018, , .		0
45	Squared-down passivity based Hâˆž almost synchronization of homogeneous continuous-time multi-agent systems with partial-state coupling via static protocol. , 2018, , .		2
46	Passivity based delayed state synchronization of discrete-time multi-agent systems in presence of unknown communication delays. , 2018, , .		1
47	Synchronization in a network of identical continuousâ€or discreteâ€time agents with unknown nonuniform constant input delay. International Journal of Robust and Nonlinear Control, 2018, 28, 3959-3973.	2.1	22
48	Leaderless state synchronization of homogeneous multi-agent systems via a universal adaptive nonlinear dynamic protocol. , 2018, , .		0
49	Passivity based state synchronization of multi-agent systems via static or adaptive nonlinear dynamic protocols. , 2018, , .		0
50	Semiglobal state synchronization for continuousâ€or discreteâ€time multiagent systems subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 4966-4980.	2.1	7
51	Semi-global state synchronization for continuous or discrete-time multi-agent systems subject to actuator saturation. , 2018, , .		0
52	Passivity based state synchronization of homogeneous multi-agent systems via static protocol in presence of input saturation. , 2018, , .		0
53	State synchronization of multi-agent systems via static or adaptive nonlinear dynamic protocols. Automatica, 2018, 95, 316-327.	3.0	32
54	State synchronization of linear and nonlinear agents in timeâ€varying networks. International Journal of Robust and Nonlinear Control, 2017, 27, 3758-3776.	2.1	1

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55	Distributed Optimal Coordination for Distributed Energy Resources in Power Systems. IEEE Transactions on Automation Science and Engineering, 2017, 14, 414-424.	3.4	64
56	Solvability condition for synchronization of discrete-time multi-agent systems and design. , 2017, , .		0
57	Synchronization in the presence of unknown, nonuniform and arbitrarily large communication delay. European Journal of Control, 2017, 38, 63-72.	1.6	12
58	Solvability conditions and design for state synchronization of multi-agent systems. Automatica, 2017, 84, 43-47.	3.0	10
59	State synchronization of homogeneous continuous-time multi-agent systems with time-varying communication topology in presence of input delay. , 2017, , .		2
60	Solvability conditions and design for state synchronization of multi-agent systems. , 2017, , .		1
61	Using a linear gain to accelerate average consensus over unreliable networks. , 2017, , .		2
62	H<inf>âˆž</inf> & H<inf>2</inf> almost state synchronization with full-state coupling for homogeneous multi-agent systems. , 2017, , .		0
63	Synchronization for heterogeneous time-varying networks with non-introspective, non-minimum-phase agents in the presence of external disturbances with known frequencies. , 2016, , .		5
64	Synchronization for heterogeneous networks of weakly-non-minimum-phase, non-introspective agents without exchange of controller states. , 2016, , .		7
65	Synchronization in an homogeneous, time-varying network with nonuniform time-varying communication delays. , 2016, , .		10
66	State synchronization in the presence of unknown, nonuniform and arbitrary large communication delays. , 2016, , .		1
67	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
68	Necessary and Sufficient Conditions for Global External Stochastic Stabilization of Linear Systems With Input Saturation. IEEE Transactions on Automatic Control, 2016, 61, 1368-1372.	3.6	6
69	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
70	Synchronization for a network of identical discrete-time agents with unknown, nonuniform constant input delay. , 2015, , .		13
71	Almost regulated output synchronization for heterogeneous time-varying networks of non-introspective, nonlinear agents without exchange of controller states. , 2015, , .		2
72	Almost regulated output synchronization for heterogeneous time-varying networks of non-introspective agents and without exchange of controller states. , 2015, , .		9

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73	Consensus in the network with nonuniform constant input delay. , 2015, , .		5
74	Stochastic almost regulated output synchronization for heterogeneous time-varying networks with non-introspective agents and without exchange of controller states. , 2015, , .		5
75	Regulated output synchronization for heterogeneous time-varying networks with non-introspective agents in presence of disturbance and measurement noise with known frequencies. , 2015, , .		3
76	<inline-formula> <tex-math notation="LaTeX">${cal H}_{infty}$</tex-math></inline-formula> 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
77	Stochastic Almost Output Synchronization for Time-Varying Networks of Nonidentical and Non-introspective Agents Under External Stochastic Disturbances and Disturbances with Known Frequencies. Lecture Notes in Control and Information Sciences, 2015, , 101-127.	0.6	2
78	Synchronization in networks of nonlinear, non-introspective, minimum-phase agents without exchange of controller states. , 2014, , .		4
79	ℋ<inf>∞</inf> almost output synchronization for heterogeneous networks in the presence of external disturbances without exchange of controller states. , 2014, , .		0
80	Output synchronization for heterogeneous networks of introspective right-invertible agents. International Journal of Robust and Nonlinear Control, 2014, 24, 1821-1844.	2.1	93
81	Semiâ€global regulation of output synchronization forâ€‰heterogeneous networks of nonâ€introspective, invertibleâ€‰agentsâ€‰subject to actuator saturation. International Journal of Robust and Nonlinear Control, 2014, 24, 548-566.	2.1	59
82	Stabilization of Discrete-Time Linear Systems Subject to Input Saturation and Multiple Unknown Constant Delays. IEEE Transactions on Automatic Control, 2014, 59, 1667-1672.	3.6	6
83	Synchronization in time-varying networks of non-introspective agents without exchange of controller states. , 2014, , .		6
84	Synchronization in networks of weakly-non-minimum-phase, non-introspective agents without exchange of controller states. , 2014, , .		9
85	Synchronization in a network of identical discreteâ€time agents with uniform constant communication delay. International Journal of Robust and Nonlinear Control, 2014, 24, 3076-3091.	2.1	25
86	Control of openâ€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
87	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
88	Dynamic behavior of the discreteâ€time double integrator with saturated locally stabilizing linear state feedback laws. International Journal of Robust and Nonlinear Control, 2013, 23, 1899-1931.	2.1	20
89	Consensus in the network with uniform constant communication delay. Automatica, 2013, 49, 2461-2467.	3.0	112
90	Stabilization of linear system with input saturation and unknown constant delays. Automatica, 2013, 49, 3632-3640.	3.0	22

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91	On the existence of virtual exosystems for synchronized linear networks. Automatica, 2013, 49, 3145-3148.	3.0	26
92	Output synchronization for heterogeneous networks of discrete-time introspective right-invertible agents with uniform constant communication delay. , 2013, , .		5
93	Stabilization of discrete-time linear systems subject to input saturation and multiple unknown constant delays. , 2013, , .		0
94	Synchronization for heterogeneous networks of introspective right-invertible agents with uniform constant communication delay. , 2013, , .		7
95	Output synchronization for heterogeneous networks of non-introspective, non-right-invertible agents. , 2013, , .		1
96	Synchronization for homogeneous networks of non-introspective, non-right-invertible, discrete-time agents with uniform constant communication delay. , 2013, , .		1
97	Regulated output synchronization for heterogeneous networks of non-introspective, minimum-phase SISO agents without exchange of controller states. , 2013, , .		2
98	Further results on saturated globally stabilizing linear state feedback control laws for single-input neutrally stable planar systems. , 2013, , .		3
99	Consensus in the network with uniform constant communication delay. , 2012, , .		3
100	Control of linear systems with input saturation and non-input-additive sustained disturbances — Continuous-time systems. , 2012, , .		2
101	Output synchronization for heterogeneous networks of non-introspective agents. Automatica, 2012, 48, 2444-2453.	3.0	225
102	Consensus in the network with uniform constant communication delay. , 2012, , .		1
103	Control of linear systems with input saturation and non-input-additive sustained disturbances — Discrete-time systems. , 2012, , .		0
104	Decentralized control for output synchronization in heterogeneous networks of non-introspective agents. , 2012, , .		7
105	Semi-global regulation of output synchronization for heterogeneous networks of non-introspective, invertible agents subject to actuator saturation. , 2012, , .		2
106	Internal and External Stabilization of Linear Systems with Constraints. Systems and Control: Foundations and Applications, 2012, , .	0.1	43
107	Discreteâ€time H₂ and H_{âˆž} lowâ€gain theory. International Journal of Robust and Nonlinear Control, 2012, 22, 743-762.	2.1	6
108	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

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109	Simultaneous global external and internal stabilization of linear time-invariant discrete-time systems subject to actuator saturation. Automatica, 2012, 48, 699-711.	3.0	11
110	Control of linear systems with input saturation and matched uncertainty and disturbance. , 2011, , .		4
111	H<inf>2</inf> and H<inf>∞</inf> low-gain theory. , 2011, , .		1
112	Output consensus for networks of non-identical introspective agents. , 2011, , .		19
113	Stabilization of nonlinear sandwich systems via state feedbackâ€"Discreteâ€time systems. International Journal of Robust and Nonlinear Control, 2011, 21, 1841-1864.	2.1	7
114	Global stabilization of the discrete-time double integrator using a saturated linear state feedback controller. , 2011, , .		0
115	Remarks on the relationship between ℒ<inf>p</inf> stability and internal stability of nonlinear systems. , 2011, , .		1
116	Consensus for multi-agent systems — Synchronization and regulation for complex networks. , 2011, , .		13
117	Simultaneous global external and internal stabilization of linear time-invariant discrete-time systems subject to actuator saturation. , 2011, , .		0
118	Semiâ€global stabilization of discreteâ€time systems subject to nonâ€right invertible constraints. International Journal of Robust and Nonlinear Control, 2010, 20, 1234-1254.	2.1	4
119	Decentralized control of discreteâ€time linear time invariant systems with input saturation. International Journal of Robust and Nonlinear Control, 2010, 20, 1353-1362.	2.1	4
120	Semiglobal stabilization of sandwich systems by dynamic output feedback. , 2010, , .		2
121	Stabilization of sandwich non-linear systems with low-and-high gain feedback design. , 2010, , .		4
122	The Design of Multi-Lead-Compensators for Stabilization and Pole Placement in Double-Integrator Networks. IEEE Transactions on Automatic Control, 2010, 55, 2870-2875.	3.6	17
123	Stabilization of a Class of Sandwich Systems Via State Feedback $ $. IEEE Transactions on Automatic Control, 2010, 55, 2156-2160.	3.6	12
124	A Class of Neutral-Type Delay Differential Equations That are Effectively Retarded. IEEE Transactions on Automatic Control, 2010, 55, 435-440.	3.6	3
125	A class of neutral-type delay differential equations that are effectively retarded. , 2009, , .		3
126	Stabilization of a class of sandwich nonlinear systems via state feedback. , 2009, , .		2

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127	The design of multi-lead-compensators for stabilization and pole placement in double-integrator networks under saturation. , 2009, , .		6
128	Time varying controllers in discrete-time decentralized control. , 2009, , .		0
129	Computation of the recoverable region and stabilisation problem in the recoverable region for discrete-time systems. International Journal of Control, 2009, 82, 1870-1881.	1.2	4
130	Decentralized control of discrete-time linear time invariant systems with input saturation. , 2009, , .		1
131	Call for Papers: â€˜Design Paradigms for Modern Dynamical Networksâ€™. International Journal of Robust and Nonlinear Control, 2009, 19, 1972-1972.	2.1	0
132	On multiple-delay approximations of multiple-derivative controllers. , 2009, , .		1
133	On external semi-global stochastic stabilization of a double integrator with input saturation. , 2008, , .		1
134	Analysis, design, and performance limitations ofHâˆž optimal filtering in the presence of an additional input with known frequency. International Journal of Robust and Nonlinear Control, 2007, 17, 1474-1488.	2.1	1
135	Constrained stabilization problems for discrete-time linear plants. International Journal of Robust and Nonlinear Control, 2004, 14, 435-461.	2.1	7
136	Feedback model predictive control by randomized algorithms. , 2001, , .		3
137	H2 andHâˆž almost disturbance decoupling problem with internal stability. International Journal of Robust and Nonlinear Control, 1996, 6, 789-803.	2.1	8
138	Output regulation for linear systems subject to input saturation. Automatica, 1996, 32, 29-47.	3.0	197
139	The discreteâ€time H_{âˆž} control problem with measurement feedback. International Journal of Robust and Nonlinear Control, 1994, 4, 457-479.	2.1	17
140	Full and reduced-order observer-based controller design forH2-optimization. International Journal of Control, 1993, 58, 803-834.	1.2	27