Valeri Ougrinovski

List of Publications by Year
in descending order

55 papers	**746** citations	**11** h-index	**15** g-index
55 all docs	**55** docs citations	**55** times ranked	**568** citing authors

840776

996975

#	Article	IF	Citations
1	Distributed robust filtering with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow> consensus of estimates. Automatica, 2011, 47, 1-13.	5.0	188
2	Decentralized control of power systems via robust control of uncertain Markov jump parameter systems. International Journal of Control, 2005, 78, 662-677.	1.9	149
3	Conditions for Detectability in Distributed Consensus-Based Observer Networks. IEEE Transactions on Automatic Control, 2013, 58, 2659-2664.	5.7	61
4	Detection and mitigation of biasing attacks on distributed estimation networks. Automatica, 2019, 99, 369-381.	5.0	47
5	Heisenberg picture approach to the stability of quantum Markov systems. Journal of Mathematical Physics, 2014, 55, 062701.	1.1	30
6	Gainâ€scheduled leaderâ€follower tracking control for interconnected parameter varying systems. International Journal of Robust and Nonlinear Control, 2016, 26, 461-488.	3.7	21
7	Controllerâ€"jammer game models of Denial of Service in control systems operating over packet-dropping links. Automatica, 2017, 84, 128-141.	5.0	18
8	Leaderâ€"follower tracking control with guaranteed consensus performance for interconnected systems with linear dynamic uncertain coupling. International Journal of Control, 2015, 88, 1663-1677.	1.9	17
9	A Popov stability condition for uncertain linear quantum systems. , 2013, , .		16
10	Distributed H_infty Estimation Resilient to Biasing Attacks. IEEE Transactions on Control of Network Systems, 2020, 7, 458-470.	3.7	14
11	Modeling for Non-Markovian Quantum Systems. IEEE Transactions on Control Systems Technology, 2020, 28, 2564-2571.	5.2	13
12	Robust stability of quantum systems with a nonlinear coupling operator. , 2012, , .		11
13	Task allocation in multi-agent systems using models of motivation and leadership. , 2012, , .		11
14	Quantum filter for a class of non-Markovian quantum systems. , 2015, , .		11
15	Cooperative Estimation and Robust Synchronization of Heterogeneous Multiagent Systems With Coupled Measurements. IEEE Transactions on Control of Network Systems, 2018, 5, 1597-1607.	3.7	11
16	Minimum-energy distributed filtering. , 2014, , .		10
17	Detection of biasing attacks on distributed estimation networks. , 2016, , .		10
18	Robust stability of uncertain quantum systems. , 2012, , .		7

#	Article	IF	Citations
19	One-shot control over an AVC-like adversarial channel. , 2012, , .		7
20	Coherent quantum observers for n-level quantum systems. , 2013, , .		7
21	Ground-state stabilization of quantum finite-level systems by dissipation. Automatica, 2016, 65, 147-159.	5.0	7
22	Conditions for detectability in distributed consensus-based observer networks. , 2012, , .		6
23	Distributed consensus of linear multi-agent systems with switching directed topologies. , 2014, , .		6
24	Control over adversarial packet-dropping communication networks revisited. , 2014, , .		6
25	Pole placement approach to coherent passive reservoir engineering for storing quantum information. Control Theory and Technology, 2017, 15, 193-205.	1.6	6
26	Preservation of commutation relations and physical realizability of open two-level quantum systems. , 2012, , .		5
27	Quantum filter for a non-Markovian single qubit system. , 2015, , .		5
28	Event–triggered leader–follower tracking control for interconnected systems. International Journal of Robust and Nonlinear Control, 2020, 30, 7883-7908.	3.7	5
29	Detectability of distributed consensus-based observer networks: An elementary analysis and extensions. , 2014, , .		4
30	Control design for interconnected power systems with OLTCs via robust decentralized control. , 2006, , .		3
31	Gain-scheduled synchronization of uncertain parameter varying systems via relative H8 consensus. , 2011, , .		3
32	Task allocation under communication constraints using motivated particle swarm optimization. , 2014, , .		3
33	Distributed filter design for cooperative h_0-type estimation. , 2015, , .		3
34	Event-triggered leader-follower tracking control for interconnected systems with undirected communication graphs. , 2017, , .		3
35	Wiener Filtering for Passive Linear Quantum Systems. , 2019, , .		3
36	Distributed H_∞ tracking control for discrete-time multi-agent systems with a high-dimensional leader. , 2013, , .		2

#	Article	IF	Citations
37	Effective motive profiles and swarm compositions for motivated particle swarm optimisation applied to task allocation. , 2014, , .		2
38	Quantum state transfer through time reversal of an optical channel. Physical Review A, 2016, 94, .	2.5	2
39	Cooperative extremum seeking for a one-dimensional non-linear map using a two-robot formation. , 2017, , .		2
40	A Systems Theory Approach to the Synthesis of Minimum Noise Phase-Insensitive Quantum Amplifiers. , 2018, , .		2
41	Event-triggered exponential output synchronization of heterogeneous multi-agent systems over directed switching networks. , 2021, , .		2
42	A pseudo-H‹inf›∞‹/inf› output feedback control theory and its application to pendulum-like systems. , 2010, , .		1
43	A Round-Robin protocol for distributed estimation with H‹inf›∞‹/inf› consensus. , 2013, , .		1
44	Robust detection of biasing attacks on misappropriated distributed observers via decentralized H<inf>â^ž</inf> synthesis. , 2017, , .		1
45	Resilient Distributed H_{∞} Estimation via Dynamic Rejection of Biasing Attacks. , 2018, , .		1
46	Active versus Passive Coherent Equalization of Passive Linear Quantum Systems. , 2019, , .		1
47	A Systems Theory Approach to the Synthesis of Minimum Noise Non-Reciprocal Phase-Insensitive Quantum Amplifiers. , 2020, , .		1
48	Global Convergence and Asymptotic Optimality of the Heavy Ball Method for a Class of Nonconvex Optimization Problems. , 2022, 6, 2449-2454.		1
49	Design of distributed H‹inf›∞‹/inf› consensus filters for uncertain systems via dissipativity theory. , 2010, , .		0
50	Diagonal stability of stochastic systems subject to nonlinear disturbances and diagonal H‹inf›2‹/inf› norms. , 2010, , .		0
51	Stability of quantum Markov systems via Lyapunov methods in the Heisenberg picture. , 2013, , .		0
52	Physical realizability conditions for mixed bilinear-linear quantum cascades with pure field coupling. , 2013, , .		0
53	Lyapunov analysis for coherent control of quantum systems by dissipation. , 2015, , .		0
54	Cooperative robust estimation with local performance guarantees. , 2016, , .		0

#	Article	IF	Citations
55	Detection of Biasing Nodes in Distributed Discrete Time Varying Filter Networks. , 2020, , .		0