

# Valeri Ougrinovski

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

746  
citations

840776

11  
h-index

996975

15  
g-index

55  
all docs

55  
docs citations

55  
times ranked

568  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Global Convergence and Asymptotic Optimality of the Heavy Ball Method for a Class of Nonconvex Optimization Problems. , 2022, 6, 2449-2454.   |     | 1         |
| 2  | Event-triggered exponential output synchronization of heterogeneous multi-agent systems over directed switching networks. , 2021, , .   |     | 2         |
| 3  | Distributed $H_{\infty}$ Estimation Resilient to Biasing Attacks. IEEE Transactions on Control of Network Systems, 2020, 7, 458-470.  | 3.7 | 14        |
| 4  | Modeling for Non-Markovian Quantum Systems. IEEE Transactions on Control Systems Technology, 2020, 28, 2564-2571.   | 5.2 | 13        |
| 5  | Event-triggered leader-follower tracking control for interconnected systems. International Journal of Robust and Nonlinear Control, 2020, 30, 7883-7908.                              | 3.7 | 5         |
| 6  | A Systems Theory Approach to the Synthesis of Minimum Noise Non-Reciprocal Phase-Insensitive Quantum Amplifiers. , 2020, , .  |     | 1         |
| 7  | Detection of Biasing Nodes in Distributed Discrete Time Varying Filter Networks. , 2020, , .  |     | 0         |
| 8  | Wiener Filtering for Passive Linear Quantum Systems. , 2019, , .  |     | 3         |
| 9  | Active versus Passive Coherent Equalization of Passive Linear Quantum Systems. , 2019, , .  |     | 1         |
| 10 | Detection and mitigation of biasing attacks on distributed estimation networks. Automatica, 2019, 99, 369-381.  | 5.0 | 47        |
| 11 | 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        |
| 12 | Resilient Distributed $H_{\infty}$ Estimation via Dynamic Rejection of Biasing Attacks. , 2018, , .   |     | 1         |
| 13 | A Systems Theory Approach to the Synthesis of Minimum Noise Phase-Insensitive Quantum Amplifiers. , 2018, , .   |     | 2         |
| 14 | Pole placement approach to coherent passive reservoir engineering for storing quantum information. Control Theory and Technology, 2017, 15, 193-205.                                  | 1.6 | 6         |
| 15 | Controller-jammer game models of Denial of Service in control systems operating over packet-dropping links. Automatica, 2017, 84, 128-141.  | 5.0 | 18        |
| 16 | Event-triggered leader-follower tracking control for interconnected systems with undirected communication graphs. , 2017, , .   |     | 3         |
| 17 | Cooperative extremum seeking for a one-dimensional non-linear map using a two-robot formation. , 2017, , .  |     | 2         |
| 18 | Robust detection of biasing attacks on misappropriated distributed observers via decentralized $H_{\infty}$ synthesis. , 2017, , .  |     | 1         |

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|----|--|-----|-----------|
| 19 | Cooperative robust estimation with local performance guarantees. , 2016, , .   |     | 0         |
| 20 | Gain-scheduled leader-follower tracking control for interconnected parameter varying systems. International Journal of Robust and Nonlinear Control, 2016, 26, 461-488.                          | 3.7 | 21        |
| 21 | Quantum state transfer through time reversal of an optical channel. Physical Review A, 2016, 94, .   | 2.5 | 2         |
| 22 | Detection of biasing attacks on distributed estimation networks. , 2016, , .   |     | 10        |
| 23 | Ground-state stabilization of quantum finite-level systems by dissipation. Automatica, 2016, 65, 147-159.  | 5.0 | 7         |
| 24 | Lyapunov analysis for coherent control of quantum systems by dissipation. , 2015, , .  |     | 0         |
| 25 | Quantum filter for a class of non-Markovian quantum systems. , 2015, , .   |     | 11        |
| 26 | Quantum filter for a non-Markovian single qubit system. , 2015, , .  |     | 5         |
| 27 | Distributed filter design for cooperative ho-type estimation. , 2015, , .  |     | 3         |
| 28 | Leader-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        |
| 29 | Distributed consensus of linear multi-agent systems with switching directed topologies. , 2014, , .  |     | 6         |
| 30 | Heisenberg picture approach to the stability of quantum Markov systems. Journal of Mathematical Physics, 2014, 55, 062701.   | 1.1 | 30        |
| 31 | Control over adversarial packet-dropping communication networks revisited. , 2014, , .   |     | 6         |
| 32 | Task allocation under communication constraints using motivated particle swarm optimization. , 2014, , .   |     | 3         |
| 33 | Minimum-energy distributed filtering. , 2014, , .  |     | 10        |
| 34 | Detectability of distributed consensus-based observer networks: An elementary analysis and extensions. , 2014, , .   |     | 4         |
| 35 | Effective motive profiles and swarm compositions for motivated particle swarm optimisation applied to task allocation. , 2014, , .   |     | 2         |
| 36 | Conditions for Detectability in Distributed Consensus-Based Observer Networks. IEEE Transactions on Automatic Control, 2013, 58, 2659-2664.  | 5.7 | 61        |

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|----|---|-----|-----------|
| 37 | Stability of quantum Markov systems via Lyapunov methods in the Heisenberg picture. , 2013, , .                           |     | 0         |
| 38 | Coherent quantum observers for n-level quantum systems. , 2013, , .   |     | 7         |
| 39 | Physical realizability conditions for mixed bilinear-linear quantum cascades with pure field coupling. , 2013, , .        |     | 0         |
| 40 | Distributed $H_\infty$ tracking control for discrete-time multi-agent systems with a high-dimensional leader. , 2013, , . |     | 2         |
| 41 | A Popov stability condition for uncertain linear quantum systems. , 2013, , .   |     | 16        |
| 42 | A Round-Robin protocol for distributed estimation with $H_\infty$ consensus. , 2013, , .                                  |     | 1         |
| 43 | Robust stability of quantum systems with a nonlinear coupling operator. , 2012, , .                                       |     | 11        |
| 44 | Robust stability of uncertain quantum systems. , 2012, , .  |     | 7         |
| 45 | One-shot control over an AVC-like adversarial channel. , 2012, , .  |     | 7         |
| 46 | Task allocation in multi-agent systems using models of motivation and leadership. , 2012, , .                             |     | 11        |
| 47 | Preservation of commutation relations and physical realizability of open two-level quantum systems. , 2012, , .           |     | 5         |
| 48 | Conditions for detectability in distributed consensus-based observer networks. , 2012, , .                                |     | 6         |
| 49 | Distributed robust filtering with $H_\infty$ consensus of estimates. Automatica. 2011, 47, 1-13.                          | 5.0 | 188       |
| 50 | Gain-scheduled synchronization of uncertain parameter varying systems via relative $H_\infty$ consensus. , 2011, , .      |     | 3         |
| 51 | A pseudo- $H_\infty$ output feedback control theory and its application to pendulum-like systems. , 2010, , .             |     | 1         |
| 52 | Design of distributed $H_\infty$ consensus filters for uncertain systems via dissipativity theory. , 2010, , .            |     | 0         |
| 53 | Diagonal stability of stochastic systems subject to nonlinear disturbances and diagonal $H_2$ norms. , 2010, , .          |     | 0         |
| 54 | Control design for interconnected power systems with OLTCs via robust decentralized control. , 2006, , .                  |     | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | 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       |