

Natalia O Amelina

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29 papers	252 citations	9 h-index	15 g-index
36 ext. papers	301 ext. citations	1.4 avg, IF	3.39 L-index

#	Paper	IF	Citations
29	. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 1739-1752	2.8	64
28	Simultaneous Perturbation Stochastic Approximation for Tracking Under Unknown but Bounded Disturbances. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1653-1658	5.9	31
27	Approximate consensus in the dynamic stochastic network with incomplete information and measurement delays. <i>Automation and Remote Control</i> , 2012 , 73, 1765-1783	0.6	26
26	Toward Optimal Distributed Node Scheduling in a Multihop Wireless Network Through Local Voting. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 400-414	9.6	19
25	Local voting protocol in decentralized load balancing problem with switched topology, noise, and delays 2013 ,		13
24	Differentiated consensus in decentralized load balancing problem with randomized topology, noise, and delays 2014 ,		12
23	Multi-agent Stochastic Systems with Switched Topology and Noise 2012 ,		9
22	Randomized Algorithm for UAVs Group Flight Optimization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 205-208		9
21	Approximate consensus in multi-agent stochastic systems with switched topology and noise 2012 ,		9
20	Differentiated consensus in a stochastic network with priorities 2014 ,		8
19	Optimal step-size of a local voting protocol for differentiated consensus achievement in a stochastic network with priorities 2015 ,		6
18	Approximate consensus in multi-agent nonlinear stochastic systems 2014 ,		6
17	Task Allocation Algorithm for the Cooperating Group of Light Autonomous Unmanned Aerial Vehicles*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 152-155		6
16	Local voting: Optimal distributed node scheduling algorithm for multihop wireless networks 2017 ,		5
15	Scheduling networks with variable topology in the presence of noise and delays in measurements. <i>Vestnik St Petersburg University: Mathematics</i> , 2012 , 45, 56-60	0.3	5
14	Consensus Based Report-Back Protocol for Improving the Network Lifetime in Underwater Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 26-37	0.9	5
13	Exact confidence regions for linear regression parameter under external arbitrary noise 2014 ,		4

12	Combined procedure with randomized controls for the parameters' confidence region of linear plant under external arbitrary noise 2012 ,		3
11	Using Stochastic Approximation Type Algorithm for Choice of Consensus Protocol Step-Size in Changing Conditions**This work was supported by Russian Foundation for Basic Research, projects number 15-08-02640 and 16-01-00759 and Saint Petersburg State University grant 6.37.181.2014.. <i>IFAC-PapersOnLine</i> , 2016 , 49, 265-269	0.7	2
10	Distributed Tracking via Simultaneous Perturbation Stochastic Approximation-based Consensus Algorithm 2019 ,		2
9	Optimal step-size of a local voting protocol for differentiated consensus achievement in a stochastic network with cost constraints 2015 ,		1
8	Choice of step-size for consensus protocol in changing conditions via stochastic approximation type algorithm 2016 ,		1
7	Local voting protocol for decentralized load balancing of network with switched topology and noise in measurements. <i>Vestnik St Petersburg University: Mathematics</i> , 2013 , 46, 118-125	0.3	1
6	Adaptation of Aircraft's Wings Elements in Turbulent Flows by Local Voting Protocol. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1904-1909	0.7	1
5	Consensus-based Distributed Algorithm for Multisensor-Multitarget Tracking under Unknown But Bounded Disturbances. <i>IFAC-PapersOnLine</i> , 2020 , 53, 3589-3595	0.7	1
4	Adjustment of Consensus Protocol Step-Size in a Network System with Different Task Priorities via SPSA-like Algorithm under the Cost Constraints. <i>IFAC-PapersOnLine</i> , 2018 , 51, 100-105	0.7	1
3	Local voting protocol step-size choice for consensus achievement. <i>International Journal of Intelligent Engineering Informatics</i> , 2018 , 6, 169	0.3	1
2	Simultaneous Perturbation Stochastic Approximation in Decentralized Load Balancing Problem. <i>IFAC-PapersOnLine</i> , 2015 , 48, 936-941	0.7	
1	Satisfying the Cost Constraints in a Network System Operating by the Consensus Protocol with Different Task Priorities. <i>IFAC-PapersOnLine</i> , 2018 , 51, 367-372	0.7	