

ПУБЛИКАЦИИ С РОССИЙСКИМ СОАВТОРСТВОМ В "ТОПОВЫХ" ЖУРНАЛАХ  
Шанхайского рейтинга (Automatica, IEEE Transactions on Automatic Control, International  
Journal of Robotics Research, IEEE Transactions on Control Systems Technology, IEEE  
Transactions on Robotics) в 2011-2015 гг. (упорядочены по цитируемости)

1. Nonlinear Feedback Design for Fixed-Time Stabilization of Linear Control Systems

By: Polyakov, Andrey

IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 57 Issue: 8 Special Issue:  
SI Pages: 2106-U1 Published: AUG 2012

Times Cited: 122

2. Two-Dimensional Dissipative Control and Filtering for Roesser Model

By: Ahn, Choon Ki; Shi, Peng; Basin, Michael V.

IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 60 Issue: 7 Pages: 1745-  
1759 Published: JUL 2015

Times Cited: 101

Hot Paper

Highly Cited Paper

3. Leader-following consensus of a class of stochastic delayed multi-agent systems with partial mixed impulses

By: Tang, Yang; Gao, Huijun; Zhang, Wenbing; Kurths, Juergen

AUTOMATICA Volume: 53 Pages: 346-354 Published: MAR 2015

Times Cited: 66

Highly Cited Paper

4. A method for guidance and control of an autonomous vehicle in problems of border patrolling and obstacle avoidance

By: Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.

AUTOMATICA Volume: 47 Issue: 3 Pages: 515-524 Published: MAR 2011

Times Cited: 48

5. Navigation of a unicycle-like mobile robot for environmental extremum seeking

By: Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.

AUTOMATICA Volume: 47 Issue: 1 Pages: 85-91 Published: JAN 2011

Times Cited: 39

6. Range-only measurements based target following for wheeled mobile robots

By: Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.

AUTOMATICA Volume: 47 Issue: 1 Pages: 177-184 Published: JAN 2011

Times Cited: 32

7. Switched Algorithm for Frequency Estimation with Noise Rejection

By: Bobtsov, Alexey A.; Efimov, Denis; Pyrkin, Anton A.; Zolghadri, Ali

IEEE TRANSACTIONS ON AUTOMATIC CONTROL V. 57 Is 9 pp. 2400-2404 SEP 2012

Times Cited: 31

8. Stability analysis for a class of switched nonlinear systems

By: Aleksandrov, A. Yu.; Chen, Y.; Platonov, A. V.; Zhang, L.

AUTOMATICA Volume: 47 Issue: 10 Pages: 2286-2291 Published: OCT 2011

Times Cited: 30

9. Invariant ellipsoid method for minimization of unmatched disturbances effects in sliding mode control  
By: Polyakov, Andrey; Poznyak, Alex  
AUTOMATICA Volume: 47 Issue: 7 Pages: 1450-1454 Published: JUL 2011  
Times Cited: 28
10. Interval state observer for nonlinear time varying systems  
By: Efimov, Denis; Raissi, Tarek; Chebotarev, Stanislav; Zolghadri, Ali  
AUTOMATICA Volume: 49 Issue: 1 Pages: 200-205 Published: JAN 2013  
Times Cited: 27
11. Comments on finite-time stability of time-delay systems  
By: Efimov, Denis; Polyakov, Andrey; Fridman, Emilia; Perruquetti, Wilfrid  
AUTOMATICA Volume: 50 Issue: 7 Pages: 1944-1947 Published: JUL 2014  
Times Cited: 24
12. Output stabilization of time-varying input delay systems using interval observation technique  
By: Polyakov, Andrey; Efimov, Denis; Perruquetti, Wilfrid; Richard, Jean-Pierre  
AUTOMATICA Volume: 49 Issue: 11 Pages: 3402-3410 Published: NOV 2013  
Times Cited: 20
13. Consensus in switching networks with sectorial nonlinear couplings: Absolute stability approach  
By: Proskurnikov, Anton  
AUTOMATICA Volume: 49 Issue: 2 Pages: 488-495 Published: FEB 2013  
Times Cited: 19
14. An extension of the prediction scheme to the case of systems with both input and state delay  
By: Kharitonov, Vladimir L.  
AUTOMATICA Volume: 50 Issue: 1 Pages: 211-217 Published: JAN 2014  
Times Cited: 17
15. Average consensus in networks with nonlinearly delayed couplings and switching topology  
By: Proskurnikov, Anton V.  
AUTOMATICA Volume: 49 Issue: 9 Pages: 2928-2932 Published: SEP 2013  
Times Cited: 17
16. Method for tracking of environmental level sets by a unicycle-like vehicle  
By: Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.  
AUTOMATICA Volume: 48 Issue: 9 Pages: 2252-2261 Published: SEP 2012  
Times Cited: 17
17. State Sensitivity Evaluation Within UD Based Array Covariance Filters  
By: Tsyganova, J. V.; Kulikova, M. V.  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL, V.58, Is.11, pp.2944-2950, 2013  
Times Cited: 15
18. Interval observers for continuous-time LPV systems with L-1/L-2 performance  
By: Chebotarev, Stanislav; Efimov, Denis; Raissi, Tarek; Zolghadri, Ali  
AUTOMATICA Volume: 58 Pages: 82-89 Published: AUG 2015  
Times Cited: 14

19. Simultaneous Perturbation Stochastic Approximation for Tracking Under Unknown but Bounded Disturbances  
By: Granichin, Oleg; Amelina, Natalia  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL, V.60, Is.6, pp. 1653-1658, JUN 2015  
Times Cited: 14
20. Periodical Solutions in a Pulse-Modulated Model of Endocrine Regulation With Time-Delay  
By: Churilov, Alexander; Medvedev, Alexander; Mattsson, Per  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 59 Issue: 3 Pages: 728-733  
Published: MAR 2014  
Times Cited: 13
21. Non-constant discounting and differential games with random time horizon  
By: Marin-Solano, Jesus; Shevkoplyas, Ekaterina V.  
AUTOMATICA Volume: 47 Issue: 12 Pages: 2626-2638 Published: DEC 2011  
Times Cited: 12
22. Necessary stability conditions for linear delay systems  
By: Egorov, Alexey V.; Mondie, Sabine  
AUTOMATICA Volume: 50 Issue: 12 Pages: 3204-3208 Published: DEC 2014  
Times Cited: 10
23. Measurement feedback disturbance decoupling in discrete-time nonlinear systems  
By: Kaldmae, Arvo; Kotta, Uelle; Shumsky, Alexey; Zhirabok, Alexey  
AUTOMATICA Volume: 49 Issue: 9 Pages: 2887-2891 Published: SEP 2013  
Times Cited: 10
24. Stable Walking Gaits for a Three-Link Planar Biped Robot With One Actuator  
By: La Hera, Pedro X. Miranda; Shiriaev, Anton S.; Freidovich, Leonid B.; Mettin, Uwe; Gusev, Sergey V  
IEEE TRANSACTIONS ON ROBOTICS Volume: 29 Issue: 3 Pages: 589-601, JUN 2013  
Times Cited: 10
25. Delay-Independent Stability Conditions for Some Classes of Nonlinear Systems  
By: Aleksandrov, Alexander Yu.; Hu, Guang-Da; Zhabko, Alexey P.  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 59 Issue: 8 Pages: 2209-2214 Published: AUG 2014  
Times Cited: 9
26. An impulse-to-impulse discrete-time mapping for a time-delay impulsive system  
By: Churilov, Alexander N.; Medvedev, Alexander  
AUTOMATICA Volume: 50 Issue: 8 Pages: 2187-2190 Published: AUG 2014  
Times Cited: 9
27. A state observer for continuous oscillating systems under intrinsic pulse-modulated feedback  
By: Churilov, Alexander; Medvedev, Alexander; Shepeljavyi, Alexander  
AUTOMATICA Volume: 48 Issue: 6 Pages: 1117-1122 Published: JUN 2012  
Times Cited: 9
28. Passification-based robust flight control design  
By: Fradkov, Alexander L.; Andrievsky, Boris  
AUTOMATICA Volume: 47 Issue: 12 Pages: 2743-2748 Published: DEC 2011

Times Cited: 9

29. Control of Equilibria for Nonlinear Stochastic Discrete-Time Systems

By: Bashkirtseva, Irina; Ryashko, Lev

IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 56 Issue: 9 Pages: 2162-2166 Published: SEP 2011

Times Cited: 9

30. Predictor based stabilization of neutral type systems with input delay

By: Kharitonov, Vladimir L.

AUTOMATICA Volume: 52 Pages: 125-134 Published: FEB 2015

Times Cited: 8

31. Synthesis of Razumikhin and Lyapunov-Krasovskii approaches to stability analysis of time-delay systems

By: Medvedeva, Irina V.; Zhabko, Alexey P.

AUTOMATICA Volume: 51 Pages: 372-377 Published: JAN 2015

Times Cited: 8

32. 3D environmental extremum seeking navigation of a nonholonomic mobile robot

By: Matveev, Alexey S.; Hoy, Michael C.; Savkin, Andrey V.

AUTOMATICA Volume: 50 Issue: 7 Pages: 1802-1815 Published: JUL 2014

Times Cited: 7

33. A method for reactive navigation of nonholonomic under-actuated robots in maze-like environments

By: Matveev, A. S.; Hoy, M. C.; Savkin, A. V.

AUTOMATICA Volume: 49 Issue: 5 Pages: 1268-1274 Published: MAY 2013

Times Cited: 7

34. The Forest Consensus Theorem

By: Chebotarev, Pavel; Agaev, Rafiq

IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 59 Issue: 9 Pages: 2475-2479 Published: SEP 2014

Times Cited: 6

35. Exciting multi-DOF systems by feedback resonance

By: Efimov, Denis; Fradkov, Alexander; Iwasaki, Tetsuya

AUTOMATICA Volume: 49 Issue: 6 Pages: 1782-1789 Published: JUN 2013

Times Cited: 5

36. Time-consistent Shapley value for games played over event trees

By: Reddy, Puduru V.; Shevkoplyas, Ekaterina; Zaccour, Georges

AUTOMATICA Volume: 49 Issue: 6 Pages: 1521-1527 Published: JUN 2013

Times Cited: 5

37. Continuous and discrete state estimation for switched LPV systems using parameter identification

By: Rios, Hector; Mincarelli, Diego; Efimov, Denis; Perruquetti, Wilfrid; Davila, Jorge

AUTOMATICA Volume: 62 Pages: 139-147 Published: DEC 2015

Times Cited: 4

38. A robust globally convergent position observer for the permanent magnet synchronous motor  
By: Bobtsov, Alexey A.; Pyrkin, Anton A.; Ortega, Romeo; Vukosavic, Slobodan N.; Stankovic, Aleksandar M.; Panteley, Elena V  
AUTOMATICA Volume: 61 Pages: 47-54 Published: NOV 2015  
Times Cited: 4
39. A globally converging algorithm for reactive robot navigation among moving and deforming obstacles  
By: Matveev, Alexey S.; Hoy, Michael C.; Savkin, Andrey V.  
AUTOMATICA Volume: 54 Pages: 292-304 Published: APR 2015  
Times Cited: 4
40. Node-consistent core for games played over event trees  
By: Parilina, Elena; Zaccour, Georges  
AUTOMATICA Volume: 53 Pages: 304-311 Published: MAR 2015  
Times Cited: 4
41. Robot navigation for monitoring unsteady environmental boundaries without field gradient estimation  
By: Matveev, Alexey S.; Hoy, Michael Colin; Ovchinnikov, Kirill; Anisimov, Alexander; Savkin, Andrey V  
AUTOMATICA Volume: 62 Pages: 227-235 Published: DEC 2015  
Times Cited: 3
42. Frequency Domain Performance Analysis of Lur'e Systems  
By: Pogromsky, Alexander; van den Berg, Roel  
IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 22 Issue: 5  
Pages: 1949-1955 Published: SEP 2014  
Times Cited: 3
43. Characterizations of Input-to-State Stability for Systems With Multiple Invariant Sets  
By: Angeli, David; Efimov, Denis  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 60 Issue: 12 Pages: 3242-3256 Published: DEC 2015  
Times Cited: 2
44. Implicit Lyapunov-Krasovski Functionals for Stability Analysis and Control Design of Time-Delay Systems  
By: Polyakov, Andrey; Efimov, Denis; Perruquetti, Wilfrid; Richard, Jean-Pierre  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 60 Issue: 12 Pages: 3344-3349 Published: DEC 2015  
Times Cited: 2
45. Passification based synchronization of nonlinear systems under communication constraints and bounded disturbances  
By: Fradkov, Alexander L.; Andrievsky, Boris; Ananyevskiy, Mikhail S.  
AUTOMATICA Volume: 55 Pages: 287-293 Published: MAY 2015  
Times Cited: 2
46. Model predictive control for constrained systems with serially correlated stochastic parameters and portfolio optimization  
By: Dombrovskii, Vladimir; Obyedko, Tatyana

AUTOMATICA Volume: 54 Pages: 325-331 Published: APR 2015  
Times Cited: 2

47. Passification-based adaptive control: Uncertain input and output delays  
By: Selivanov, Anton; Fridman, Emilia; Fradkov, Alexander  
AUTOMATICA Volume: 54 Pages: 107-113 Published: APR 2015  
Times Cited: 2

48. Properties of the Time-Optimal Control for Lagrangian Single-Degree-of-Freedom Systems  
By: Reshmin, Sergey A.  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 60 Issue: 12 Pages: 3350-3355 Published: DEC 2015  
Times Cited: 1

49. Compensation of disturbances for MIMO systems with quantized output  
By: Furtat, Igor B.; Fradkov, Alexander L.; Liberzon, Daniel  
AUTOMATICA Volume: 60 Pages: 239-244 Published: OCT 2015  
Times Cited: 1

50. Subgame consistent cooperative solution for NTU dynamic games via variable weights  
By: Yeung, David W. K.; Petrosyan, Leon A.  
AUTOMATICA Volume: 59 Pages: 84-89 Published: SEP 2015  
Times Cited: 1

51. Weight and Time Recursions in Dynamic State Estimation Problem With Mixed-Norm Cost Function  
By: Akimov, Pavel; Matasov, Alexander  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 60 Issue: 4 Pages: 1050-1063 Published: APR 2015  
Times Cited: 1

52. Modeling and Control of Systems with Active Singularities Under Energy Constraints: Single- and Multi-Impact Sequences  
By: Bentsman, Joseph; Miller, Boris M.; Rubinovich, Evgeny Ya; Mazumder, Sudip  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 57 Issue: 7 Pages: 1854-1859 Published: JUL 2012  
Times Cited: 1

53. The Wonham filter under uncertainty: A game-theoretic approach  
By: Borisov, Andrey V.  
AUTOMATICA Volume: 47 Issue: 5 Pages: 1015-1019 Published: MAY 2011  
Times Cited: 1

54. Model Evaluation for Robust Tracking Under Unknown Upper Bounds on Perturbations and Measurement Noise  
By: Sokolov, V. F.  
IEEE TRANSACTIONS ON AUTOMATIC CONTROL Volume: 59 Issue: 2 Pages: 483-488  
Published: FEB 2014

55. In memoriam Nikolai Nikolayevich Krasovski, 1924-2012 Obituary  
By: Kurzanski, Alexander B.  
AUTOMATICA Volume: 48 Issue: 7 Pages: 1225-1226 Published: JUL 2012