

Alexander S Poznyak

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

221
citations

1307594

7
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Attractive Ellipsoids in Robust Control. <i>Systems and Control: Foundations and Applications</i> , 2014, , .	0.3	80
2	Robust Output LQ Optimal Control via Integral Sliding Modes. <i>Systems and Control: Foundations and Applications</i> , 2014, , .	0.3	43
3	Application of the differential neural network observer to the kinetic parameters identification of the anthracene degradation in contaminated model soil. <i>Journal of Hazardous Materials</i> , 2007, 146, 661-667.	12.4	21
4	Stochastic Super-Twist Sliding Mode Controller. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1538-1544.	5.7	21
5	Full-Order Observer for a Class of Nonlinear Systems With Unmatched Uncertainties: Joint Attractive Ellipsoid and Sliding Mode Concepts. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5677-5686.	7.9	12
6	Integral Sliding Mode Convex Optimization in Uncertain Lagrangian Systems Driven by PMDC Motors: Averaged Subgradient Approach. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4267-4273.	5.7	10
7	Extremum seeking by a dynamic plant using mixed integral sliding mode controller with synchronous detection gradient estimation. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 702-714.	3.7	8
8	Robust Extremum Seeking for a Second Order Uncertain Plant Using a Sliding Mode Controller. <i>International Journal of Applied Mathematics and Computer Science</i> , 2019, 29, 703-712.	1.5	8
9	A class of robust bounded controllers tracking a nonlinear discrete-time stochastic system: Attractive ellipsoid technique application. <i>Journal of the Franklin Institute</i> , 2013, 350, 1008-1029.	3.4	7
10	Practical Realization of Implicit Homogeneous Controllers for Linearized Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 5142-5151.	7.9	3
11	Dynamic Motion Backstepping Control of Underwater Autonomous Vehicle Based on Averaged Sub-gradient Integral Sliding Mode Method. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 103, 1.	3.4	3
12	Robust Stabilization of Power Systems Subject to a Series of Lightning Strokes Modeled by Markov Jumps: Attracting Ellipsoids Approach. <i>Journal of the Franklin Institute</i> , 2022, 359, 3389-3389.	3.4	3
13	Model based reduced-order observers for a class of mechatronic systems with mitigation of disturbances effects using the Attractive Ellipsoid Method. <i>Mechatronics</i> , 2022, 84, 102778.	3.3	2
14	Projectional Observers of Nonlinear Systems With Full-State Constraints. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 3078-3082.	3.0	0
15	Robust State Estimation for Underactuated Systems Using Sliding Modes and Attractive Ellipsoid Method. <i>Mechanisms and Machine Science</i> , 2020, , 206-217.	0.5	0
16	Output feedback averaged sub-gradient integral sliding mode control to regulate the tridimensional autonomous motion of autonomous submersible vehicles. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 0, , 095965182110564.	1.0	0
17	Robust dynamic backstepping averaged sub-gradient integral sliding mode control for navigation of mobile robots. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 0, , 095965182210828.	1.0	0