

# Elbrous M Jafarov

## List of Publications by Year in descending order

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39  
papers

486  
citations

1039880

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887953

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39  
docs citations

39  
times ranked

365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delay-Dependent Stability Analysis and Design of Input-delayed Systems by Smooth Sliding Mode Control: Lagrange Theorem Approach. WSEAS Transactions on Systems and Control, 2022, 17, 269-278.	0.5	0
2	Frequency Domain Analysis of F-16 Aircraft in a Variety of Flight Conditions. International Journal of Aviation Science and Technology, 2022, vm03, 21-34.	0.6	0
3	Frequency Domain Analysis of F-16 Aircraft in a Variety of Flight Conditions. International Journal of Aviation Science and Technology, 2022, vm03, 21-34.	0.6	2
4	A robust delay-dependent guaranteed cost PID multivariable output feedback controller design for time-varying delayed systems: An LMI optimization approach. European Journal of Control, 2021, 61, 68-79.	1.6	7
5	Robust stabilization of spacecraft attitude motion under magnetic control through time-varying integral sliding mode. International Journal of Robust and Nonlinear Control, 2019, 29, 3446-3468.	2.1	18
6	Robust and global attitude stabilization of magnetically actuated spacecraft through sliding mode. Aerospace Science and Technology, 2018, 76, 91-104.	2.5	53
7	New Sliding Mode Attitude Controller Design Based on Lumped Disturbance Bound Equation. Journal of Aerospace Engineering, 2018, 31, .	0.8	10
8	Cooling Control System with Sliding Mode Approach for Electrical Vehicle with Range Extender. , 2018, , .		0
9	New static output feedback stabilization and multivariable PID-controller design methods for unstable linear systems via an ILMI optimization approach. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 1563-1573.	0.9	2
10	An Output Feedback Multivariable PD-Controller Design Method for Time Delay Systems: A New LMI Approach. IFAC-PapersOnLine, 2016, 49, 124-129.	0.5	3
11	Time-varying sliding mode in rigid body motion controlled by magnetic torque. , 2015, , .		1
12	Higher order sliding mode control applications with output redefinition for nonminimum phase missile system. , 2015, , .		0
13	Output redefinition method for sliding mode control of nonminimum phase missile systems. , 2015, , .		1
14	Integral Sliding Mode Control of Small Satellite Attitude Motion by Purely Magnetic Actuation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7947-7953.	0.4	13
15	On Stability Delay Bounds of Simple Input-delayed Linear and Non-linear Systems: Computational Results. International Journal of Automation and Computing, 2013, 10, 327-334.	4.5	7
16	Robust sliding mode speed hold control system design for full nonlinear aircraft model with parameter uncertainties: A step beyond. , 2012, , .		7
17	Purely magnetic spacecraft attitude control by using classical and modified sliding mode algorithms. , 2012, , .		5
18	Robust reduced-order sliding mode observer design. International Journal of Systems Science, 2011, 42, 567-577.	3.7	11

#	ARTICLE	IF	CITATIONS
19	Three-axis attitude control of a small satellite by magnetic PD-like controller integrated with passive pitch bias momentum method. , 2011, , .		2
20	Computational phase portrait analysis of two nonlinear small satellite models. , 2009, , .		1
21	DESIGN MODIFICATION OF SLIDING MODE OBSERVERS FOR UNCERTAIN MIMO SYSTEMS WITHOUT AND WITH TIME-DELAY. Asian Journal of Control, 2008, 7, 380-392.	1.9	35
22	Sliding mode attitude controller design for nonlinear flexible geosynchronous satellite with thrust jets. , 2008, , .		1
23	Robust stabilization of inputâ€delayed systems with design example for rocket motor control. Aircraft Engineering and Aerospace Technology, 2008, 80, 59-65.	0.8	5
24	Robust delay-dependent stabilization of uncertain time-delay systems by variable structure control. , 2008, , .		2
25	Robust sliding mode controllers design techniques for stabilization of multivariable time-delay systems with parameter perturbations and external disturbances. International Journal of Systems Science, 2005, 36, 433-444.	3.7	33
26	A new variable structure PID-controller design for robot manipulators. IEEE Transactions on Control Systems Technology, 2005, 13, 122-130.	3.2	143
27	Design of robust PD-sliding mode controller for robot position systems with parameter perturbations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 105-110.	0.4	0
28	A new robust continuous sliding mode control for robot manipulators with parameter perturbations. , 2002, , .		4
29	A NEW VARIABLE STRUCTURE PID-CONTROLLER FOR ROBOT MANIPULATORS WITH PARAMETER PERTURBATIONS: AN AUGMENTED SLIDING SURFACE APPROACH. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 365-370.	0.4	0
30	Design of robust autopilotâ€output integral sliding mode controllers for guided missile systems with parameter perturbations. Aircraft Engineering and Aerospace Technology, 2001, 73, 16-26.	0.8	15
31	A novel design of robust relay-discontinuous sliding mode controller for robot manipulators with parameter perturbations. , 2001, , .		2
32	Comparative analysis of simple improved delay-dependent stability criterions for linear time-delay systems: an augmented functional approach. , 2001, , .		3
33	Output Integral Sliding Mode Controllers for Acceleration of a Missile System With Parameter Perturbations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 487-492.	0.4	0
34	Synthesis of Standard Variable Structure Systems with Time Delay. Journal of Automation and Information Sciences, 2001, 33, 9.	0.7	0
35	Robust sliding-mode control for the uncertain MIMO aircraft model F-18. IEEE Transactions on Aerospace and Electronic Systems, 2000, 36, 1127-1141.	2.6	90
36	Sliding mode observer for uncertain MIMO systems with time â€” Delay. , 1999, , .		0

#	ARTICLE	IF	CITATIONS
37	State Feedback Sliding Mode Control for SISO Systems with Time-Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 203-208.	0.4	2
38	Linear attitude stabilization of a geosynchronous communication satellite with small inner torquers. , 0, , .		1
39	Performances Comparison of Linear and Sliding Mode Attitude Controllers for Flexible Spacecraft with Reaction Wheels. , 0, , .		7