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## Global stabilization and restricted tracking for multiple integrators with bounded controls

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758	.		
757	.		8
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754	Stabilization of Linear Systems with Bounded Controls. <b>1992</b> , 25, 51-56		2
753	Semi-global stabilization of minimum phase nonlinear systems in special normal forms. <i>Systems and Control Letters</i> , <b>1992</b> , 19, 187-192	2.4	41
752	.		
751	Stabilization with Saturated Actuators, a Worked Example: F-8 Longitudinal Flight Control.		1
750	.		13
749	.		4
748	.		
747	USING SATURATION TO STABILIZE A CLASS OF SINGLE-INPUT PARTIALLY LINEAR COMPOSITE SYSTEMS**Research supported in part by the Army under grants ARO DAAL-88-K-0106 and DAAL-91-G-0191, and NASA under grant NAG2-243.. <b>1993</b> , 379-384		0
746	.		6
745	Semi-global stabilizability of linear null controllable systems with input nonlinearities.		8
744	.		5

743 . 1994,

742 . 11

741 . 0

740 . 37

739 Nonlinear control of constrained linear systems. **1994**, 60, 1035-1043 20

738 .

737 .

736 Semiglobal stabilization of multi-input linear systems with saturated linear state feedback. *Systems and Control Letters*, **1994**, 23, 247-254 2.4 22735 Stabilization of linear controllable systems by means of bounded continuous nonlinear feedback control. *Systems and Control Letters*, **1994**, 23, 403-410 2.4 9734 . *IEEE Transactions on Automatic Control*, **1994**, 39, 2411-2425 5.9 534

733 . 14

732 Global stabilization of linear discrete-time systems with bounded controls-a model predictive control approach. 7

731 Semi-global exponential stabilization of linear discrete-time systems subject to input saturation via linear feedbacks. 0

730 . 7

729 .

728 Feedback control logic for spacecraft eigenaxis rotations under slew rate and control constraints. **1994**,

727 .

726 Semi-global output regulation for linear systems subject to input saturation-a low-and-high gain design. 1

725	Adaptive tracking designs for input-constrained linear systems using backstepping.		
724	Control of linear unstable systems with constraints.		8
723	State-space and I/O stability for nonlinear systems. <b>1995</b> , 215-235		10
722	Robust control design for nonlinear uncertain systems in the absence of the generalized matching conditions.		
721	Control of linear systems with saturating actuators.		6
720	Comparison principle, positive invariance and constrained regulation of nonlinear systems. <i>Automatica</i> , <b>1995</b> , 31, 217-222	5-7	37
719	Semi-global exponential stabilization of linear discrete-time systems subject to input saturation via linear feedbacks. <i>Systems and Control Letters</i> , <b>1995</b> , 24, 125-132	2.4	127
718	Simultaneous $L_p$ -stabilization and internal stabilization of linear systems subject to input saturation state feedback case. <i>Systems and Control Letters</i> , <b>1995</b> , 25, 219-226	2.4	32
717	A chronological bibliography on saturating actuators. <b>1995</b> , 5, 375-380		383
716	A semi-global low-and-high gain design technique for linear systems with input saturation stabilization and disturbance rejection. <b>1995</b> , 5, 381-398		94
715	Linear systems with input nonlinearities: Global stabilization by scheduling a family of $H_\infty$ -type controllers. <b>1995</b> , 5, 399-411		65
714	On the continuity and incremental-gain properties of certain saturated linear feedback loops. <b>1995</b> , 5, 413-440		33
713	Robust control of constrained systems via convex optimization. <b>1995</b> , 5, 441-460		2
712	Constrained stabilization of discrete-time systems. <b>1995</b> , 5, 461-485		18
711	Discrete-time reference governors and the nonlinear control of systems with state and control constraints. <b>1995</b> , 5, 487-504		242
710	Anti-windup compensator synthesis for systems with saturation actuators. <b>1995</b> , 5, 521-537		64
709	Output regulation for linear discrete-time systems subject to input saturation.		2
708	Feedback control logic for spacecraft eigenaxis rotations under slew rate and control constraints. <b>1995</b> , 18, 1372-1379		124

707	Non-holonomic control systems: from steering to stabilization with sinusoids. <b>1995</b> , 62, 849-870		84
706	Global stabilization and restricted tracking for linear systems subject to input and measurement saturation-a chain of integrators case.		1
705	Robust nonlinear control of uncertain systems with state and control constraints.		13
704	. <i>IEEE Transactions on Automatic Control</i> , <b>1995</b> , 40, 96-100	5.9	128
703	Feedback Stabilization of Nonlinear Systems: Sufficient Conditions and Lyapunov and Input-output Techniques. <b>1995</b> , 293-348		44
702	On the Input-to-State Stability Property. <b>1995</b> , 1, 24-36		204
701	Optimal nonlinear, but continuous, feedback control of systems with saturating actuators. <b>1995</b> , 62, 1209-1216		41
700	. <i>IEEE Transactions on Automatic Control</i> , <b>1995</b> , 40, 776-782	5.9	45
699	On Finite-Gain Stabilizability of Linear Systems Subject to Input Saturation. <b>1996</b> , 34, 1190-1219		138
698	. <i>IEEE Transactions on Automatic Control</i> , <b>1996</b> , 41, 1256-1270	5.9	542
697	Adaptive tracking with saturating input and controller integral action.		1
696	Control of linear systems with saturating actuators. <i>IEEE Transactions on Automatic Control</i> , <b>1996</b> , 41, 368-378	5.9	315
695	Adaptive control of linear systems with poles in the closed LHP with constrained inputs.		1
694	Semiglobal stabilization of linear discrete-time systems subject to input saturation, via linear feedback-an ARE-based approach. <i>IEEE Transactions on Automatic Control</i> , <b>1996</b> , 41, 1203-1207	5.9	69
693	A generic Lyapunov procedure to design robust control for nonlinear uncertain systems: Introducing interlacing into recursive design. <b>1996</b> , 37-73		
692	Incremental gain analysis of linear systems with bounded controls and its application to the anti-windup problem.		8
691	L 2 Bibo Output Feedback Stabilization With Saturated Control. <b>1996</b> , 29, 1872-1877		23
690	An Improvement to the Low Gain Design for Discrete-Time Linear Systems Subject to Input Saturation - Solution of Semi-Global Output Regulation Problems. <b>1996</b> , 29, 2400-2405		4

- 689 Optimal Disturbance Rejection and Global Stabilization of Linear Systems with Saturating Control. **1996**, 29, 3550-3555
- 688 Stability of an Input Amplitude Constrained Predictive Control System. **1996**, 29, 2353-2358
- 687 Output regulation for linear systems subject to input saturation. *Automatica*, **1996**, 32, 29-47 5.7 153
- 686 The almost disturbance decoupling problem with internal stability for linear systems subject to input saturation state feedback case. *Automatica*, **1996**, 32, 619-624 5.7 47
- 685 Low-and-high gain design technique for linear systems subject to input saturation-a direct method. 2
- 684 Global control of linear systems with saturating actuators. 22
- 683 .
- 682 Saturating controllers for pressure control with an electrohydraulic servovalve.
- 681 . *IEEE Transactions on Automatic Control*, **1997**, 42, 992-995 5.9 33
- 680 Nonlinear controllers for nonlinear systems with input nonlinearities. 1
- 679 Stabilization of integrator chains in the presence of magnitude and rate saturations: a gain scheduling approach. 26
- 678 Semi-global stabilization of linear systems with position and rate limited actuators. **1997**,
- 677 Manual control of an unstable system with a saturating actuator. 5
- 676 Stabilization of linear unstable systems with control constraints. 3
- 675 Stabilization of discrete-time multi-integral systems with input constraint.
- 674 Semi-global results on stabilization of linear systems with input rate and magnitude saturations. **1997**, 5
- 673 High performance bounded control of systems subject to input rate constraints. **1997**, 5
- 672 The controllability and stabilization of unstable LTI systems with input saturation. 1

671	Stabilization of a pitch axis flight control experiment with input rate saturation. <b>1997</b> ,		1
670	L2-disturbance attenuation for linear systems with bounded controls: An ARE-based approach. <b>1997</b> , 25-38		5
669	Achieving maximum regions of attraction for unstable linear systems with control constraints. <b>1997</b>		2
668	Semi-global stabilization of linear systems with position and rate-limited actuators. <i>Systems and Control Letters</i> , <b>1997</b> , 30, 1-11	2.4	82
667	On stability of an input amplitude constrained predictive control system. <i>Systems and Control Letters</i> , <b>1997</b> , 30, 101-107	2.4	
666	Global stabilization of linear discrete-time systems with bounded feedback. <i>Systems and Control Letters</i> , <b>1997</b> , 30, 273-281	2.4	68
665	Robust time-optimal control of constrained linear Systems. <i>Automatica</i> , <b>1997</b> , 33, 2103-2118	5.7	123
664	Controllable regions of linear systems with bounded inputs. <i>Systems and Control Letters</i> , <b>1998</b> , 33, 55-61	2.4	6
663	On global uniform asymptotic stability of nonlinear time-varying systems in cascade. <i>Systems and Control Letters</i> , <b>1998</b> , 33, 131-138	2.4	174
662	Semi-global stabilization of discrete-time linear systems with position and rate-limited actuators. <i>Systems and Control Letters</i> , <b>1998</b> , 34, 313-322	2.4	14
661	Switching supervisory predictive control of input saturated plants.		
660	Adaptive tracking with saturating input and controller integral action. <i>IEEE Transactions on Automatic Control</i> , <b>1998</b> , 43, 1638-1643	5.9	20
659	Integrator backstepping for rounded controls and control rates. <i>IEEE Transactions on Automatic Control</i> , <b>1998</b> , 43, 258-262	5.9	56
658	On the computation of the induced $L_2$ norm of single-input linear systems with saturation. <i>IEEE Transactions on Automatic Control</i> , <b>1998</b> , 43, 262-268	5.9	1
657	Global regulation of null-controllable input-saturated systems with arbitrary $L_2$ state disturbances.		
656	Design of an input amplitude-constrained discrete-time control system. <b>1998</b> , 212, 339-344		
655	.		
654	Fixed-order dynamic compensation for linear systems with actuator amplitude and rate saturation constraints. <b>1998</b> ,		3

653	Globally stable control of linear plants under positional and incremental actuator saturations.		1
652	Global stabilization of nonlinear systems with marginally unstable free dynamics by small controls. <b>1998,</b>		1
651	Design of stable linear systems with input constraint. <b>1998,</b> 31, 215-219		
650	Adaptive Stabilization and Tracking of Constrained Linear Systems. <b>1998,</b> 31, 427-432		
649	Nonlinear Rescaling of Control Laws with Application to Stabilization in the Presence of Magnitude Saturation. <b>1998,</b> 31, 663-668		6
648	Monotonicity of Minimax Control and its Use for Regulating Input-Saturated Linear Systems with L <sub>2</sub> -Disturbances. <b>1998,</b> 31, 113-118		
647	Time-optimal control of the swing using impulse control actions. <b>1998,</b>		3
646	Stabilization of LTI systems with planar anti-stable dynamics using saturated linear feedback.		
645	Output regulation for linear systems with anti-stable eigenvalues in the presence of input saturation.		
644	Naive control of the double integrator: a comparison of a dozen diverse controllers under off-nominal conditions. <b>1999,</b>		3
643	Output-feedback global stabilization of a nonlinear benchmark system using a saturated passivity-based controller. <b>1999,</b> 7, 289-293		45
642	Logic-based switching adaptive stabilization of feedforward nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , <b>1999,</b> 44, 2174-2178	5.9	22
641	Synthesis of upper-triangular non-linear systems with marginally unstable free dynamics using state-dependent saturation. <b>1999,</b> 72, 1078-1086		62
640	Semi-global stabilization of discrete-time systems with bounded inputs using a periodic controller. <i>Systems and Control Letters</i> , <b>1999,</b> 36, 267-275	2.4	21
639	Explicit formulas of feedback stabilizers for a class of triangular systems with uncontrollable linearization. <i>Systems and Control Letters</i> , <b>1999,</b> 38, 115-126	2.4	62
638	Nonlinear controllers for nonlinear systems with input nonlinearities. <i>Journal of the Franklin Institute</i> , <b>1999,</b> 336, 649-664	4	3
637	Semiglobal stabilization of linear systems using constrained controls: a parametric optimization approach. <b>1999,</b> 9, 461-484		4
636	Global guidance stabilization of linear control systems. <b>1999,</b> 9, 585-598		3



635	High performance control with position and rate limited actuators. <b>1999</b> , 9, 617-630		15
634	Output regulation of linear plants with actuators subject to amplitude and rate constraints. <b>1999</b> , 9, 631-657		42
633	Global stabilization of systems containing a double integrator using a saturated linear controller. <b>1999</b> , 9, 1143-1156		29
632	Global Uniform Asymptotic Stability of Cascaded Non-autonomous Non-linear Systems: Application to Stabilisation of a Diesel Engine. <b>1999</b> , 5, 107-115		12
631	Semiglobal stabilization of continuous-time systems with bounded inputs. <i>IEEE Transactions on Automatic Control</i> , <b>1999</b> , 44, 2318-2320	5.9	4
630	Global predictive regulation of null-controllable input-saturated linear systems. <i>IEEE Transactions on Automatic Control</i> , <b>1999</b> , 44, 2226-2230	5.9	10
629	Magnitude and rate constrained linear system control. <b>1999</b> , 32, 1949-1954		
628	Performance Enhancement and Robustness for Linear Systems With Saturating Actuators. <b>2000</b> , 33, 427-432		
627	Null controllability and stabilization of linear systems subject to asymmetric actuator saturation.		2
626	An improvement to the low gain design for discrete-time linear systems in the presence of actuator saturation nonlinearity. <b>2000</b> , 10, 117-135		10
625	Output regulation for linear systems with anti-stable eigenvalues in the presence of input saturation. <b>2000</b> , 10, 423-438		4
624	Predictive PI-control of linear plants under positional and incremental input saturations. <i>Automatica</i> , <b>2000</b> , 36, 1505-1516	5.7	21
623	Robust global stabilization of a class of uncertain feedforward nonlinear systems. <i>Systems and Control Letters</i> , <b>2000</b> , 41, 281-290	2.4	80
622	Control design for chained-form systems with bounded inputs. <i>Systems and Control Letters</i> , <b>2000</b> , 39, 123-131	2.4	58
621	Global stabilisation of input-saturated systems subject to L2 disturbances. <b>2000</b> , 147, 53-58		1
620	Maximum output amplitude of linear systems for certain input constraints.		4
619	The application of monotone stability to certain saturated feedback interconnections.		1
618	Any domain of attraction for a linear constrained system is a tracking domain of attraction.		2

617	Global stabilization of a class of uncertain systems with saturated adaptive robust control.			11
616	Any Domain of Attraction for a Linear Constrained System is a Tracking Domain of Attraction. <b>2000</b> , 38, 971-994			43
615	. <b>2000</b> ,			
614	Control of underactuated systems. Application to a tandem fan in a 3 DOF platform.			
613	A new class of control laws for spacecraft attitude tracking using switching and trajectory rescaling.			2
612	Slow peaking and low-gain designs for global stabilization of nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , <b>2000</b> , 45, 453-461	5.9		35
611	Low-bias control of AMBs subject to saturation constraints.			6
610	Stability and Tracking of Linear System Control in Presence of Magnitude and Rate Constraints. <b>2000</b> , 6, 186-193			3
609	An LQR/LQG theory for systems with saturating actuators. <i>IEEE Transactions on Automatic Control</i> , <b>2001</b> , 46, 1529-1542	5.9		45
608	Naive control of the double integrator. <i>IEEE Control Systems</i> , <b>2001</b> , 21, 86-97	2.9		86
607	Global switching regulation of input-saturated discrete-time linear systems with arbitrary $l_2$ disturbances. <i>IEEE Transactions on Automatic Control</i> , <b>2001</b> , 45, 915-919	5.9		4
606	On the stabilization of a class of uncertain systems by bounded control. <b>2001</b> , 95-106			
605	Global stabilization of multiple integrators with time-delay and input constraints 1. <b>2001</b> , 34, 243-248			3
604	A Note on Stabilization of Cascaded Nonlinear Systems with Bounded Control. <b>2001</b> , 34, 927-932			
603	Robust Nonlinear Regulation for a Magnetic Levitation System. <b>2001</b> , 34, 243-248			1
602	An explicit formula of bounded feedback stabilizers for feedforward systems. <i>Systems and Control Letters</i> , <b>2001</b> , 43, 247-261	2.4		51
601	Practical stabilization of exponentially unstable linear systems subject to actuator saturation nonlinearity and disturbance. <b>2001</b> , 11, 555-588			12
600	Stabilization of exponentially unstable linear systems with saturating actuators. <i>IEEE Transactions on Automatic Control</i> , <b>2001</b> , 45, 973-979	5.9		21

599	Adaptive Control of Nonsmooth Dynamic Systems. <b>2001,</b>		48
598	Global stabilization of a PVTOL aircraft with bounded thrust.		13
597	Stabilization with positive and quantized control.		4
596	An analysis and design method for discrete-time linear systems under nested saturation.		1
595	On semi-global stabilizability of anti-stable systems by saturated linear feedback. <b>2002,</b>		
594	Composite quadratic Lyapunov functions for constrained control systems.		
593	On the stabilization of input delayed oscillators.		3
592	ROBUST DISTURBANCE SUPPRESSION OF A MAGNETIC LEVITATION SYSTEM WITH INPUT CONSTRAINT. <b>2002,</b> 35, 61-66		
591	An analysis and design method for linear systems under nested saturation. <b>2002,</b>		3
590	STABILIZING HYBRID CONTROL LAWS. <b>2002,</b> 35, 49-53		
589	SEMIGLOBAL STABILIZATION OF CONTINUOUS SYSTEMS WITH BOUNDED DELAYED INPUTS. <b>2002,</b> 35, 83-88		4
588	On semiglobal stabilizability of antistable systems by saturated linear feedback. <i>IEEE Transactions on Automatic Control</i> , <b>2002,</b> 47, 1193-1198	5.9	18
587	An analysis and design method for discrete-time linear systems under nested saturation. <i>IEEE Transactions on Automatic Control</i> , <b>2002,</b> 47, 1305-1310	5.9	30
586	Improving the performance of low-gain designs for bounded control of linear systems. <i>Automatica</i> , <b>2002,</b> 38, 1777-1782	5.7	39
585	Autonomous vertical landing on an oscillating platform: an internal-model based approach. <i>Automatica</i> , <b>2002,</b> 38, 21-32	5.7	136
584	Discrete minimum time tracking problem for a chain of three integrators with bounded input. <i>Automatica</i> , <b>2003,</b> 39, 1643-1649	5.7	16
583	An analysis and design method for linear systems under nested saturation. <i>Systems and Control Letters</i> , <b>2003,</b> 48, 41-52	2.4	62
582	Global asymptotic stabilization for chains of integrators with a delay in the input. <i>IEEE Transactions on Automatic Control</i> , <b>2003,</b> 48, 57-63	5.9	184

581	Composite quadratic Lyapunov functions for constrained control systems. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 440-450	5.9	192
580	Adaptive Control with a Nested Saturation Reference Model. <b>2003</b> ,		5
579	Global stabilization of a PVTOL aircraft model with bounded inputs. <b>2003</b> , 76, 1833-1844		80
578	Sampled-data control of double integrator systems.		2
577	Global stabilization of the cart-pendulum system using saturation functions.		9
576	Some remarks on stabilizing a chain of integrators using multiple delays.		
575	Global asymptotic stabilization of feedforward systems with delay in the input.		8
574	Nested saturation with guaranteed real poles.		23
573	Further results on global stabilization for multiple integrators with bounded controls.		8
572	Global Predictive Regulation of a Class of Nonlinear Cascaded Systems with Bounded Input. <b>2003</b> , 36, 493-498		
571	Global stabilizaton with improved performance for linear systems with actuator saturation. <b>2003</b> , 14, 9-19		
570	An improved LMI representation for enlarging the domain of attraction for linear systems with actuator saturation.		
569	Effects of quantization, saturation, and sampling time in multi output systems. <b>2004</b> ,		1
568	Uniting bounded control and MPC for stabilization of constrained linear systems. <i>Automatica</i> , <b>2004</b> , 40, 101-110	5.7	42
567	Global stabilization of oscillators with bounded delayed input. <i>Systems and Control Letters</i> , <b>2004</b> , 53, 415-422	2.4	65
566	Stability analysis and stabilization of systems presenting nested saturations. <b>2004</b> ,		7
565	Nonlinear control of feedforward systems with bounded signals. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 1975-1990	5.9	118
564	Stability regions for saturated linear systems via conjugate Lyapunov functions. <b>2004</b> ,		

563	A bang-bang, disturbance rejection algorithm for double integrator systems.		1
562	Feedback linearizability and explicit integrator forwarding controllers for classes of feedforward systems. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 1668-1682	5.9	92
561	Real-time stabilization and tracking of a four-rotor mini rotorcraft. <b>2004</b> , 12, 510-516		421
560	Global asymptotic stabilization of feedforward systems with delay in the input. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 844-850	5.9	177
559	Stabilizing a chain of integrators using multiple delays. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 802-807	5.9	127
558	On stabilization of linear systems with stochastic disturbances and input saturation. <b>2004</b> ,		8
557	The maximal controllable set for open-loop unstable systems under input saturation.		0
556	Feedforward System with Delay in the Input and Vanishing Perturbations 1. <b>2004</b> , 37, 181-186		
555	On the stabilization of feedforward systems with bounded control. <b>2004</b> , 37, 165-170		
554	Explicit control laws for some classes of feedforward systems. <b>2004</b> , 37, 171-176		1
553	A UAV for bridge's inspection: visual servoing control law with orientation limits. <b>2004</b> , 37, 454-459		1
552	Hybrid Control: Implementing Output Feedback MPC with Guaranteed Stability Region 1. <b>2004</b> , 37, 887-892		
551	Output Feedback Control of Saturated Linear Systems Using Parameter-Dependent Lyapunov Functions. <b>2005</b> , 49		
550	IMPROVING THE PERFORMANCE OF NONLINEAR STABILIZATION OF MULTIPLE INTEGRATORS WITH BOUNDED CONTROLS. <b>2005</b> , 38, 735-740		2
549	MANUAL CONTROL AND STABILIZATION OF AN INVERTED PENDULUM. <b>2005</b> , 38, 1124-1129		6
548	STABILIZATION OF A PVTOL AIRCRAFT WITH DELAY IN THE INPUT. <b>2005</b> , 38, 31-36		
547	ROBUST STABILIZATION OF NONLINEAR PROCESSES USING HYBRID PREDICTIVE CONTROL. <b>2005</b> , 38, 1013-1018		
546	Control Systems with Input and Output Constraints [Book Review]. <i>IEEE Control Systems</i> , <b>2005</b> , 25, 96-99.9		

545	Global stabilization of multiple integrators with bounded controls. <i>Automatica</i> , <b>2005</b> , 41, 2147-2152	5.7	117
544	On the stabilization of feedforward systems with bounded control. <i>Systems and Control Letters</i> , <b>2005</b> , 54, 263-270	2.4	18
543	Robust hybrid predictive control of nonlinear systems. <i>Automatica</i> , <b>2005</b> , 41, 209-217	5.7	78
542	Predictive switching supervisory control of persistently disturbed input-saturated plants. <i>Automatica</i> , <b>2005</b> , 41, 55-67	5.7	6
541 <sup>1</sup>	Linear systems subject to input saturation and time delay: Global asymptotic and Lp-stabilization. <b>2005</b> , 340, 703-708		2
540 <sup>o</sup>	Global stabilizer of a general class of feedback nonlinear systems and its exponential convergence. <b>2005</b> , 3, 409-414		
539	Global stability of systems with amplitude and rate saturation compensation. <b>2005</b> , 15, 155-170		7
538	L2performance design problem for systems presenting nested saturations.		
537	Performance analysis of saturated systems via two forms of differential inclusions.		
536	A globally stable high performance adaptive robust control algorithm with input saturation for precision motion control of linear motor drive system.		2
535	Stabilization and finite-gain stabilizability of continuous-time delay linear systems subject to input saturation.		
534	Output feedback stabilization of linear systems with actuator saturation.		19
533	Fuzzy Control of Queuing System [Book Review]. <i>IEEE Control Systems</i> , <b>2005</b> , 25, 94-95	2.9	
532	Stabilization and nonlinear control for a novel trirotor mini-aircraft.		17
531	Trajectory tracking for a four rotor mini-aircraft.		27
530	Stabilization of a mini rotorcraft with four rotors. <i>IEEE Control Systems</i> , <b>2005</b> , 25, 45-55	2.9	222
529	Simple Real-time Attitude Stabilization of a Quad-rotor Aircraft With Bounded Signals. <b>2006</b> ,		26
528	Simple extensions of the PD-with-gravity-compensation control law for robot manipulators with bounded inputs. <b>2006</b> , 14, 958-965		56

527	Nonlinear control for systems with bounded inputs: Real-time embedded control applied to UAVs. <b>2006,</b>	19
526	Underactuated ships follow smooth paths with Integral actions and without velocity measurements for feedback: theory and experiments. <b>2006,</b> 14, 308-322	65
525	Stability analysis and stabilization of systems presenting nested saturations. <i>IEEE Transactions on Automatic Control,</i> <b>2006,</b> 51, 1364-1371	5.9 174
524	Stability and Performance for Saturated Systems via Quadratic and Nonquadratic Lyapunov Functions. <i>IEEE Transactions on Automatic Control,</i> <b>2006,</b> 51, 1770-1786	5.9 173
523	Fault-Tolerant Control of Nonlinear Processes: Performance-Based Reconfiguration and Robustness. <b>2006,</b>	2
522	Robust Model Predictive Control Design for Fault-Tolerant Control of Process Systems. <b>2006,</b> 45, 8565-8574	98
521	Real-time embedded control system for VTOL aircrafts: Application to stabilize a quad-rotor helicopter. <b>2006,</b>	13
520	Control of saturated linear plants via output feedback containing an internal deadzone loop. <b>2006,</b>	7
519	Embedded control of a four-rotor UAV. <b>2006,</b>	52
518	A NATURAL EXTENSION OF THE PD-WITH-DESIRED-GRAVITY-COMPENSATION CONTROL LAW FOR ROBOT MANIPULATORS WITH INPUT SATURATIONS. <b>2006,</b> 39, 7-12	1
517	Fault-tolerant control of nonlinear processes: performance-based reconfiguration and robustness. <b>2006,</b> 16, 91-111	62
516	Integrated fault-detection and fault-tolerant control of process systems. <b>2006,</b> 52, 2129-2148	100
515	Real-Time Control of a Small-Scale Helicopter Having Three Rotors. <b>2006,</b>	6
514	Observer-Based Output Stabilization of Integrators System with Lipschitz Nonlinear Term by Bounded Control. <b>2006,</b>	1
513	Discrete-time stabilization of integrators in cascade: Real-time stabilization of a mini-rotorcraft. <b>2006,</b>	14
512	Impulsive Decentralized Stabilization of Stochastic Large-scale Systems. <b>2006,</b>	
511	Quasilinear quadratic Gaussian control for systems with saturating actuators and sensors. <b>2006,</b>	1
510	A globally stable saturated desired compensation adaptive robust control for linear motor systems with comparative experiments. <b>2006,</b>	

509	Output Feedback Stabilization of Saturated LFT Systems. <b>2007,</b>		
508	A result on the robust stabilization of MIMO plants with saturating actuators. <b>2007,</b>		2
507	Minimum energy oriented global stabilizing control of the PVTOL aircraft. <b>2007, 80,</b> 430-442		6
506	Nonlinear scheduled control for linear systems subject to saturation with application to anti-windup control. <b>2007,</b>		12
505	Global stabilization of a four rotor helicopter with bounded inputs. <b>2007,</b>		13
504	On external semi-global stochastic stabilization of linear systems with input saturation. <b>2007,</b>		12
503	Applications of Time Delay Systems. <b>2007,</b>		56
502	STABILIZATION OF A CLASS OF NONLINEAR SYSTEMS WITH SATURATING ACTUATORS VIA SLIDING MODE CONTROL. <b>2007, 40,</b> 657-662		
501	FUSION OF OPTICAL FLOW AND INERTIAL SENSORS FOR FOUR-ROTOR ROTORCRAFT STABILIZATION. <b>2007, 40,</b> 209-214		2
500	LINEAR AND NONLINEAR CONTROL STRATEGIES TO STABILIZE A VTOL AIRCRAFT: COMPARATIVE ANALYSIS. <b>2007, 40,</b> 228-238		1
499	A Globally Stable High-Performance Adaptive Robust Control Algorithm With Input Saturation for Precision Motion Control of Linear Motor Drive Systems. <b>2007, 12,</b> 198-207		56
498	Global stabilisation of multiple integrators via saturated controls. <i>IET Control Theory and Applications</i> , <b>2007, 1,</b> 1586-1593	2.5	20
497	Stability Analysis and Design of Impulsive Control Systems With Time Delay. <i>IEEE Transactions on Automatic Control</i> , <b>2007, 52,</b> 1448-1454	5.9	229
496	A Natural Saturating Extension of the PD-With-Desired-Gravity-Compensation Control Law for Robot Manipulators With Bounded Inputs. <b>2007, 23,</b> 386-391		72
495	Global Stabilization With Low Computational Cost of the Discrete-Time Chain of Integrators by Means of Bounded Controls. <i>IEEE Transactions on Automatic Control</i> , <b>2007, 52,</b> 948-952	5.9	27
494	Real-Time Nonlinear Embedded Control for an Autonomous Quadrotor Helicopter. <b>2007, 30,</b> 1049-1061		92
493	Synthesis for Linear Time-Delay Systems with Saturating Actuator. <b>2007,</b>		
492	Minimal data rate stabilization of nonlinear systems over networks with large delays. <b>2007,</b>		2



491	Output Feedback Stabilization of Linear Systems With Actuator Saturation. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 122-128	5.9	67
490	Linear Systems Subject to Input Saturation and Time Delay: Global Asymptotic Stabilization. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 874-879	5.9	61
489	Path-following control of a mobile robot in the presence of actuator constraints. <b>2007</b> , 21, 645-659		5
488	Modelado y estabilizaci3n de un helic3ptero con cuatro rotores. <b>2007</b> , 4, 41-57		25
487	Robust Smooth-Trajectory Control of Nonlinear Servo Systems Based on Neural Networks. <b>2007</b> , 54, 208-217		19
486	Global Asymptotic Stabilization of a PVTOL Aircraft Model with Delay in the Input. <b>2007</b> , 343-356		7
485	Embedded control system for a four-rotor UAV. <b>2007</b> , 21, 189-204		43
484	Fault-tolerant control of nonlinear process systems subject to sensor faults. <b>2007</b> , 53, 654-668		65
483	A globally stable saturated desired compensation adaptive robust control for linear motor systems with comparative experiments. <i>Automatica</i> , <b>2007</b> , 43, 1840-1848	5.7	60
482	A UAV for bridge inspection: Visual servoing control law with orientation limits. <b>2007</b> , 17, 3-10		280
481	Linear unstable plants with saturating actuators: Robust stabilization by a time varying sliding surface. <i>Automatica</i> , <b>2007</b> , 43, 88-94	5.7	51
480	Bounded attitude stabilization: Application on four-rotor helicopter. <b>2007</b> ,		21
479	Robust stability of uncertain impulsive control systems with time-varying delay. <b>2007</b> , 53, 760-769		22
478	Controlling the inverted pendulum by means of a nested saturation function. <i>Nonlinear Dynamics</i> , <b>2008</b> , 53, 273-280	5	28
477	Global stabilization of linear systems by bounded controls with guaranteed poles. <b>2008</b> , 51, 1256-1268		1
476	Nonlinear control for global stabilization of multiple-integrator system by bounded controls. <b>2008</b> , 6, 293-299		0
475	A new controller for the inverted pendulum on a cart. <b>2008</b> , 18, 1607-1621		16
474	Transition from Batch to Continuous Operation in Bio-Reactors: A Model Predictive Control Approach and Application. <b>2008</b> , 85, 416-423		4

473	Robust model predictive control of nonlinear process systems: Handling rate constraints. <b>2008</b> , 63, 366-375		16
472	On the peaking phenomenon in the control of vehicular platoons. <i>Systems and Control Letters</i> , <b>2008</b> , 57, 528-537	2.4	12
471	Output feedback control of saturated discrete-time linear systems using parameter-dependent Lyapunov functions. <i>Systems and Control Letters</i> , <b>2008</b> , 57, 896-903	2.4	52
470	On improving transient performance in global control of multiple integrators system by bounded feedback. <i>Systems and Control Letters</i> , <b>2008</b> , 57, 867-875	2.4	29
469	Analysis and design of singular linear systems under actuator saturation and L2/L $\infty$ disturbances. <i>Systems and Control Letters</i> , <b>2008</b> , 57, 904-912	2.4	49
468	Nonlinear control of an active heave compensation system. <b>2008</b> , 35, 558-571		75
467	STABILITY OF LINEAR TIME-INVARIANT OPEN-LOOP UNSTABLE SYSTEMS WITH INPUT SATURATION. <b>2008</b> , 6, 496-506		3
466	Analysis and Design of Nonlinear Control Systems. <b>2008</b> ,		14
465	A neural network type feedback law for linear systems with position and rate limited actuators. <b>2008</b> ,		
464	Stabilisation designs for the inertia wheel pendulum using saturation techniques. <i>International Journal of Systems Science</i> , <b>2008</b> , 39, 1203-1214	2.3	9
463	Global stabilisation of linear systems with bounded controls by nonlinear feedback. <i>IET Control Theory and Applications</i> , <b>2008</b> , 2, 409-419	2.5	2
462	Horizon-switching Predictive Set-point Tracking under Input-increment Saturations and Persistent Disturbances. <b>2008</b> , 14, 5-15		1
461	. <b>2008</b> ,		
460	A novel nested non-linear feedback law for global stabilisation of linear systems with bounded controls. <b>2008</b> , 81, 1352-1363		26
459	Discrete-time stabilization of integrators in cascade: real-time stabilization of a mini-rotorcraft. <b>2008</b> , 81, 894-904		10
458	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2008</b> , 44, 783-794	3.7	36
457	On enlarging the domain of attraction for linear systems subject to actuator saturation. <b>2008</b> , 37, 239-248		9
456	Hover Control of an UAV With Backstepping Design Including Input Saturations. <b>2008</b> , 16, 517-526		115

455	Step by step robust nonlinear PI for attitude stabilisation of a four-rotor mini-aircraft. <b>2008,</b>	13
454	Stabilization of the strongly damping inertia wheel pendulum by a nested saturation functions. <b>2008,</b>	5
453	On external semi-global stochastic stabilization of a double integrator with input saturation. <b>2008,</b>	1
452	Stable adaptive reference trajectory modification for saturated control applications. <b>2008,</b>	6
451	Tail-sitter UAV having one tilting rotor: Modeling, Control and Real-Time Experiments. <b>2008,</b> 41, 809-814	2
450	Bounded attitude stabilization: Real-time application on four-rotor mini-helicopter. <b>2008,</b> 41, 3167-3173	0
449	Global Stabilization of Discrete-time Chain of Integrators by Saturated Feedback? This work was supported by the Major Program of National Natural Science Foundation of China under Grant No. 60710002, National Natural Science Foundation of China under Grant No. 60474015 and Program for Changjiang Scholars and Innovative Research Team in University.. <b>2008,</b> 41, 5897-5902	
448	Stabilization of Lebesgue sampled systems with bounded controls: the chain of integrators case. <b>2008,</b> 41, 10265-10270	1
447	Attitude and Position Control of a Flapping Micro Aerial Vehicle. <b>2009,</b>	1
446	Nonlinear trajectory tracking control of a quadrotor vehicle. <b>2009,</b>	4
445	Relaxed Lyapunov criteria for robust global stabilisation of non-linear systems. <b>2009,</b> 82, 2077-2094	16
444	Global stabilization of feedforward systems with lower-order vector field. <b>2009,</b>	3
443	Nonlinear stabilization through long input delayPart II: The strict-feedforward class. <b>2009,</b>	0
442	Stabilization and nonlinear control for a novel trirotor mini-aircraft. <b>2009,</b> 17, 886-894	33
441	A backstepping controller for path-tracking of an underactuated autonomous airship. <b>2009,</b> 19, 418-441	61
440	Minimal data rate stabilization of nonlinear systems over networks with large delays. <b>2009,</b> 20, n/a-n/a	
439	Global stabilization of linear systems via bounded controls. <i>Systems and Control Letters</i> , <b>2009,</b> 58, 54-61 2.4	30
438	Output feedback design for saturated linear plants using deadzone loops. <i>Automatica</i> , <b>2009,</b> 45, 2917-2924	43

437	Nonlinear stabilization through long input delayPart III: Linearizable strict-feedforward systems. <b>2009</b> ,		
436	Control for autonomous VTOL aircraft with restricted inputs. <b>2009</b> ,		
435	A Control Approach for Thrust-Propelled Underactuated Vehicles and its Application to VTOL Drones. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1837-1853	5.9	173
434	Digital passive attitude and altitude control schemes for quadrotor aircraft. <b>2009</b> ,		10
433	Norm vanishment and its applications in constrained control - Part II: the L2 case. <b>2009</b> ,		1
432	Control of a class of thrust-propelled underactuated vehicles and application to a VTOL drone. <b>2009</b> ,		
431	Nonlinear backstepping control design for miniature helicopters using the rotation matrix. <b>2009</b> ,		4
430	Higher Order Sliding Mode Controllers With Optimal Reaching. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2126-2136	5.9	97
429	Stabilising output feedback controller of bilinear systems. <b>2009</b> , 6, 313		3
428	Neuro-adaptive Approach for Controlling a Quad-rotor Helicopter Using Sliding Mode Learning Algorithm. <b>2010</b> , 43, 94-99		1
427	Time-optimal regulation of a chain of integrators with saturated input and internal variables: an application to trajectory planning. <b>2010</b> , 43, 1278-1283		7
426	Global stabilization and restricted tracking with bounded feedback for multiple oscillator systems. <i>Systems and Control Letters</i> , <b>2010</b> , 59, 414-422	2.4	19
425	Global Stabilization of Feedforward Nonlinear System Based on Nested Saturated Control. <b>2010</b> , 36, 528-533		1
424	Robust global stabilization of linear systems with input saturation via gain scheduling. <b>2010</b> , 20, 424-447		29
423	Stabilization of n integrators in cascade with bounded input with experimental application to a VTOL laboratory system. <b>2010</b> , 20, 1129-1139		33
422	Windup in control. Peter Hippe, Springer, Berlin, 2006. No. of pages: 314. ISBN: 1-84628-322-1. <b>2010</b> , 20, 1308-1311		
421	Global practical stabilization of third order integrator chain with actuator saturation and input additive disturbances. <b>2010</b> ,		2
420	Global stabilisation of the PVTOL aircraft with lateral force coupling and bounded inputs. <b>2010</b> , 83, 1427-1441		12

419	Global stabilization of a class of upper-triangular systems with higher-order nonlinearities. <b>2010,</b>		1
418	Estabilizaci3n de un mini helic3ptero de cuatro rotores basada en flujo 3ptico y sensores inerciales. <b>2010, 7, 49-56</b>		1
417	Input Delay Compensation for Forward Complete and Strict-Feedforward Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010, 55, 287-303</b>	5.9	253
416	Robust Stabilization of Multi Input Plants With Saturating Actuators. <i>IEEE Transactions on Automatic Control</i> , <b>2010, 55, 419-425</b>	5.9	19
415	Flight formation of multiple mini rotorcraft based on nested saturations. <b>2010,</b>		3
414	Global Stabilization of the Double Integrator System With Saturation and Delay in the Input. <b>2010, 57, 1371-1383</b>		39
413	Global Stabilization of a Class of Feedforward Systems with Lower-Order Nonlinearities. <i>IEEE Transactions on Automatic Control</i> , <b>2010, 55, 691-696</b>	5.9	69
412	Stabilization of a Class of Sandwich Systems Via State Feedback $\$ \$$ . <i>IEEE Transactions on Automatic Control</i> , <b>2010, 55, 2156-2160</b>	5.9	8
411	Hovering quad-rotor control: A comparison of nonlinear controllers using visual feedback. <b>2010,</b>		9
410	Stabilization of a class of linear systems with input delay and the zero distribution of their characteristic equations. <b>2010,</b>		
409	Robust hovering control of a single-DOF flapping wing MAV. <b>2010,</b>		4
408	On stability and stabilisation for uncertain stochastic systems with time-delay and actuator saturation. <i>International Journal of Systems Science</i> , <b>2010, 41, 501-509</b>	2.3	24
407	Simple Tracking Controllers for Autonomous VTOL Aircraft With Bounded Inputs. <i>IEEE Transactions on Automatic Control</i> , <b>2010, 55, 737-743</b>	5.9	63
406	. <b>2010,</b>		37
405	Parametric Lyapunov Equation Approach to Stabilization of Discrete-Time Systems With Input Delay and Saturation. <b>2011, 58, 2741-2754</b>		56
404	Time sub-optimal nonlinear PI and PID controllers applied to longitudinal headway car control. <b>2011, 84, 1717-1728</b>		13
403	Stabilization of a Class of Linear Systems With Input Delay and the Zero Distribution of Their Characteristic Equations. <b>2011, 58, 388-401</b>		17
402	Discussion on: "Saturated Control of Chained Nonholonomic Systems". <b>2011, 17, 180-182</b>		

401	Saturated Control of Chained Nonholonomic Systems. <b>2011</b> , 17, 172-179		10
400	$L_{\infty}$ and $L_2$ Low-Gain Feedback: Their Properties, Characterizations and Applications in Constrained Control. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 1030-1045	5.9	42
399	A Novel Nonlinear Backstepping Controller Design for Helicopters Using the Rotation Matrix. <b>2011</b> , 19, 465-473		126
398	Classical and second order sliding mode control solution to an attitude stabilization of a four rotors helicopter: From theory to experiment. <b>2011</b> ,		22
397	On Constructing Constrained Control Lyapunov Functions for Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 1136-1140	5.9	8
396	Time sub-optimal nonlinear PI and PID controllers applied to longitudinal headway car control. <b>2011</b> , 44, 7547-7552		
395	Semi-Global Stabilization of Linear Time-Delay Systems with Input Energy Constraint. <b>2011</b> , 44, 5106-5111		
394	Robust Global Stabilization of Linear Systems via Bounded Control. <b>2011</b> , 44, 5825-5830		
393	Modeling and Control of a Convertible Mini-UAV. <b>2011</b> , 44, 1492-1497		7
392	Quad-Rotors Formation Control as an Interconnected System*. <b>2011</b> , 44, 13582-13587		1
391	Development of a test-bed to implement and validate real-time control strategies for aerial vehicles*. <b>2011</b> , 44, 7660-7665		
390	Computation of null controllable regions for antistable linear systems subject to input saturation: an iterative approach. <i>IET Control Theory and Applications</i> , <b>2011</b> , 5, 744-749	2.5	5
389	Adaptive robust control for DC motors with input saturation. <i>IET Control Theory and Applications</i> , <b>2011</b> , 5, 1895-1905	2.5	15
388	Stability and stabilization of discrete-time periodic linear systems with actuator saturation. <i>Automatica</i> , <b>2011</b> , 47, 1813-1820	5.7	58
387	Global stabilization of linear systems with bounded controls using state-dependent saturation functions. <b>2011</b> , 24, 477-490		4
386	Robust H-infinity control for uncertain discrete-time Markovian jump systems with actuator saturation. <b>2011</b> , 9, 465-471		7
385	Global stabilization of a class of upper-triangular systems with unbounded or uncontrollable linearizations. <b>2011</b> , 21, 271-294		84
384	Bounded attitude control of rigid bodies: Real-time experimentation to a quadrotor mini-helicopter. <b>2011</b> , 19, 790-797		87

383	Global practical stabilization for integrator chain with actuator saturation and input additive disturbances. <b>2011,</b>	
382	Following straight line and orbital paths with input constraints. <b>2011,</b>	4
381	Cumulative retrospective cost adaptive control of systems with amplitude and rate saturation. <b>2011,</b>	3
380	Bounded control of an actuated lower limb orthosis. <b>2011,</b>	7
379	Globally stable fast tracking control of a chain of integrators with input saturation and disturbances: A holistic approach. <b>2011,</b>	3
378	Linear Systems Subject to Control Saturation Problems and Modeling. <b>2011,</b> 3-48	
377	Linear and Nonlinear Control of Small-Scale Unmanned Helicopters. <b>2011,</b>	39
376	Using discrete-time controller to globally stabilize a class of feedforward nonlinear systems. <b>2011,</b>	1
375	Global stabilization of a chain of integrators with input saturation and disturbances. <b>2011,</b>	3
374	Modeling and control of a tilt tri-rotor airplane. <b>2012,</b>	1
373	Antiwindup regulation of saturated linear systems. <b>2012,</b>	
372	Global stabilization for a class of integrator chain with bounded control. <b>2012,</b>	
371	Simple saturated designs for ANCBC systems and extension to feedforward nonlinear systems. <b>2012,</b> 85, 1838-1850	4
370	Position control for a class of vehicles in SE(3). <b>2012,</b>	4
369	Nested saturation control for overhead crane systems. <b>2012,</b> 34, 862-875	44
368	Visual servoing applied to real-time stabilization of a multi-rotor UAV. <b>2012,</b> 30, 1203-1212	8
367	Backstepping based all states trajectories tracking for strict-feedback systems. <b>2012,</b>	
366	Homogeneity with incremental degrees and global stabilisation of a class of high-order upper-triangular systems. <b>2012,</b> 85, 1851-1864	16

365	Nonlinear control of underactuated vehicles with uncertain position measurements and application to visual servoing. <b>2012</b> ,		4
364	Semiglobal Stabilization for Nonholonomic Mobile Robots Based on Dynamic Feedback With Inputs Saturation. <b>2012</b> , 134,		9
363	A Lyapunov Inequality Characterization of and a Riccati Inequality Approach to $L_{\infty}$ and $L_2$ Low Gain Feedback. <b>2012</b> , 50, 1-22		2
362	Global regulation of a class of feedforward and non-feedforward nonlinear systems with a delay in the input. <i>Automatica</i> , <b>2012</b> , 48, 2607-2613	5-7	24
361	Target-point based path following controller for car-type vehicle using bounded feedback. <b>2012</b> ,		
360	A new AUV configuration with four tilting thrusters: Navigation and hover tasks. <b>2012</b> ,		4
359	Design, modeling and hovering control of a spherical MAV using a non-linear controller based on nested saturations. <b>2012</b> ,		
358	Global stabilization of a class of upper-triangular systems using a generalized homogeneous method. <b>2012</b> ,		
357	Bounded control of an underactuated biomimetic aerial vehicle validation with robustness tests. <b>2012</b> , 60, 1165-1178		10
356	Global stabilization of a chain of integrators with input saturation and disturbances: A new approach. <i>Automatica</i> , <b>2012</b> , 48, 1389-1396	5-7	42
355	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2012</b> , 48, 3159-3170	3-7	42
354	Finite-Time Attitude Stabilization for a Spacecraft Using Homogeneous Method. <b>2012</b> , 35, 740-748		135
353	Global control of nonlinear systems with uncertain output function using homogeneous domination approach. <b>2012</b> , 22, 1543-1561		107
352	Control of a chain of integrators subject to actuator saturation and disturbances. <b>2012</b> , 22, 1562-1570		8
351	Numerical methods of stabilizer construction via guidance control. <b>2012</b> , 35, 1670-1680		2
350	Decentralized stabilization of large-scale feedforward systems using saturated delayed controls. <i>Automatica</i> , <b>2012</b> , 48, 89-94	5-7	28
349	Semi-global stabilization of linear time-delay systems with control energy constraint. <i>Automatica</i> , <b>2012</b> , 48, 694-698	5-7	21
348	Simultaneous global external and internal stabilization of linear time-invariant discrete-time systems subject to actuator saturation. <i>Automatica</i> , <b>2012</b> , 48, 699-711	5-7	6



347	Robust H <sub>∞</sub> output feedback control for Markovian jump systems with actuator saturation. <b>2012</b> , 33, 676-695	10
346	Combining Stereo Vision and Inertial Navigation System for a Quad-Rotor UAV. <b>2012</b> , 65, 373-387	65
345	Comparative Results on Stabilization of the Quad-rotor Rotorcraft Using Bounded Feedback Controllers. <b>2012</b> , 65, 389-408	19
344	Bounded Consensus Algorithms for Multi-Agent Systems in Directed Networks. <b>2013</b> , 15, 282-291	39
343	Global stabilization of a class of uncertain upper-triangular systems under sampled-data control. <b>2013</b> , 23, 620-637	40
342	Design of Saturation-Based Switching Anti-Windup Gains for the Enlargement of the Domain of Attraction. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 1810-1816	5.9 29
341	Hyperbolic tangent function based adaptive trajectory tracking control for quadrotors. <b>2013</b> ,	2
340	Nested saturation based control of an actuated knee joint orthosis. <b>2013</b> , 23, 1141-1149	31
339	Stabilization of linear system with input saturation and unknown constant delays. <i>Automatica</i> , <b>2013</b> , 49, 3632-3640	5.7 17
338	Stabilization of Discrete-Time Systems With Multiple Actuator Delays and Saturations. <b>2013</b> , 60, 389-400	41
337	A solution for the goal position assignment in formation problem. <b>2013</b> ,	2
336	Global trajectory tracking for a class of underactuated vehicles. <b>2013</b> ,	15
335	Global tracking control of quadrotor VTOL aircraft in three dimensional space. <b>2013</b> ,	1
334	Path following of marine surface vessels with saturated transverse actuators. <b>2013</b> ,	6
333	Real-time altitude robust controller for a Quad-rotor aircraft using Sliding-mode control technique. <b>2013</b> ,	6
332	. <b>2013</b> ,	5
331	Adaptive trajectory tracking control design with command filtered compensation for a quadrotor. <b>2013</b> , 19, 94-108	57
330	Global output feedback control for a class of high-order feedforward nonlinear systems with input delay. <b>2013</b> , 52, 494-500	27

329	Bounded controllers for global path tracking control of unicycle-type mobile robots. <b>2013</b> , 61, 775-784	22
328	Global tracking control of underactuated ODINs in three-dimensional space. <b>2013</b> , 86, 183-196	35
327	Semiglobal stabilization of saturated linear systems via multiple parametric Lyapunov equations. <b>2013</b> , 25, n/a-n/a	
326	A generalized scheme for the global adaptive regulation of robot manipulators with bounded inputs. <b>2013</b> , 31, 1103-1117	11
325	Stabilizing the Damped Inverted Pendulum Cart System by Means of a Cascade Chain of Integrators. <b>2013</b> ,	
324	Formation Based on Potential Functions. <b>2013</b> , 165-189	
323	Quadrotor Vision-Based Control. <b>2013</b> , 191-224	
322	From PD to Nonlinear Adaptive Depth-Control of a Tethered Autonomous Underwater Vehicle. <b>2013</b> , 46, 743-748	10
321	Consensus for Multi-agent System with Bounded Control in Limited Communication. <b>2013</b> , 46, 240-245	
320	Trajectory Tracking Control of Quadrotor Aerial Vehicle. <b>2013</b> , 46, 274-279	1
319	Underactuated Control of Quadrotors with Collision Avoidance*. <b>2013</b> , 46, 162-167	0
318	Global Finite-Time Stabilization of a Class of Non-Smooth Upper-Triangular Systems. <b>2013</b> , 46, 677-682	1
317	Stability analysis of impulsive control systems with finite and infinite delays. <b>2014</b> , 2014, 932395	
316	Trajectory tracking of an underactuated fixed-wing UAV. <b>2014</b> ,	1
315	Seguimiento de trayectorias de un robot móvil (3,0) mediante control acotado. <b>2014</b> , 11, 426-434	11
314	Robustness under saturated feedback: Strong iISS for a class of nonlinear systems. <b>2014</b> ,	2
313	A PID-type global regulator with simple tuning for robot manipulators with bounded inputs. <b>2014</b> ,	2
312	Fixed Wing UAV Path Following in Wind With Input Constraints. <b>2014</b> , 22, 2103-2117	84

311	Asymptotic Stabilization by State Feedback for a Class of Stochastic Nonlinear Systems with Time-Varying Coefficients. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-6	1.1	1
310	Necessary and Sufficient Conditions of Optimality for a Damped Hyperbolic Equation in One-Space Dimension. <b>2014</b> , 2014, 1-10		4
309	Stabilization of Linear Time-Delay Systems by Higher-Order TPF. <b>2014</b> , 179-198		
308	A polynomial approach to nonlinear state feedback stabilization of saturated linear systems. <b>2014</b> ,		2
307	On the estimation of the domain of attraction for saturated systems via partitioning of the input space. <b>2014</b> ,		1
306	An overview of consensus problems in constrained multi-agent coordination. <b>2014</b> , 2, 275-284		43
305	Bounded Assignment Formation Control of Second-Order Dynamic Agents. <b>2014</b> , 19, 477-489		23
304	Nonlinear asymptotic attitude tracking control for an unmanned helicopter with input constraints. <b>2014</b> ,		3
303	Nonlinear Control for a Model-scaled Helicopter with Constraints on Rotor Thrust and Fuselage Attitude. <b>2014</b> , 40, 2654-2664		8
302	Vision-based autonomous hovering for a miniature quad-rotor. <b>2014</b> , 32, 43-61		7
301	Constrained control Lyapunov function based model predictive control design. <b>2014</b> , 24, 374-388		12
300	A Class of Position Controllers for Underactuated VTOL Vehicles. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 2580-2585	5.9	38
299	. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 1646-1653	5.9	18
298	Globally asymptotically stable saturated PID controllers for a double integrator with constant disturbance. <b>2014</b> , 24, 1488-1504		3
297	. <b>2014</b> ,		
296	Saturation-based switching anti-windup design for linear systems with nested input saturation. <i>Automatica</i> , <b>2014</b> , 50, 2888-2896	5.7	33
295	On global external stochastic stabilization of linear systems with input saturation. <b>2014</b> ,		1
294	A generalised homogeneous solution for global stabilisation of a class of non-smooth upper-triangular systems. <b>2014</b> , 87, 951-963		13

293	Global decentralised stabilisation for a class of uncertain large-scale feedforward nonlinear systems. <b>2014</b> , 87, 1282-1296		13
292	Simulation and robust trajectory-tracking for a Quadrotor UAV. <b>2014</b> ,		6
291	Chattering-Free Sliding Mode Altitude Control for a Quad-Rotor Aircraft: Real-Time Application. <b>2014</b> , 73, 137-155		51
290	An Approach for Optimal Goal Position Assignment in Vehicle Formations. <b>2014</b> , 73, 665-677		2
289	Backstepping control for two tanks process based on adaptive high gain observer. <b>2014</b> ,		3
288	Synchronization of identical linear dynamic systems subject to input saturation. <i>Systems and Control Letters</i> , <b>2014</b> , 64, 107-113	2.4	39
287	Truncated Predictor Feedback for Time-Delay Systems. <b>2014</b> ,		67
286	Global Leader Following Consensus of a Group of Discrete-Time Linear Systems Using Bounded Controls. <b>2014</b> , 47, 263-268		1
285	Control of a Piezoelectric Actuator Using a Bounded-Adaptive Backstepping Scheme and Sliding-Mode Observer. <b>2014</b> , 47, 6556-6562		
284	Nonlinear control of a nano-hexacopter carrying a manipulator arm. <b>2015</b> ,		4
283	Zhang-Gradient Controllers for Tracking Control of Multiple-Integrator Systems. <b>2015</b> , 137,		4
282	Consensus with bounded controls for a class of linear systems with input saturation. <b>2015</b> ,		
281	Global stabilization of multiple integrators by a bounded feedback with constraints on its successive derivatives. <b>2015</b> ,		2
280	A generalised PID-type control scheme with simple tuning for the global regulation of robot manipulators with constrained inputs. <b>2015</b> , 88, 1995-2012		25
279	Global decentralized stabilization for a class of large-scale feedforward nonlinear systems. <b>2015</b> ,		1
278	Control of quadrotors with actuator saturations. <b>2015</b> ,		2
277	Stabilization of a linear Korteweg-de Vries equation with a saturated internal control. <b>2015</b> ,		11
276	Near minimum-time feedback attitude control with multiple saturation constraints for satellites. <b>2015</b> ,		

275	Inner-outer loop control with constraints for rotary-wing UAVs. <b>2015,</b>		3
274	$\mathcal{L}_p$ -Stabilization of Integrator Chains Subject to Input Saturation Using Lyapunov-Based Homogeneous Design. <b>2015,</b> 53, 2406-2423		4
273	Path-Tracking Control of Stochastic Quadrotor Aircraft in Three-Dimensional Space. <b>2015,</b> 137,		6
272	Stability and performance analysis of saturated systems via partitioning of the virtual input space. <i>Automatica</i> , <b>2015,</b> 53, 85-93	5-7	18
271	Robust control of multiple integrators subject to input saturation and disturbance. <b>2015,</b> 88, 844-856		18
270	A generalized global adaptive tracking control scheme for robot manipulators with bounded inputs. <b>2015,</b> 29, 180-200		21
269	Real-time flocking of multiple-quadrotor system of systems. <b>2015,</b>		5
268	Nonlinear control under polytopic input constraints with application to the attitude control problem. <b>2015,</b>		5
267	Leader-follower fixed-time consensus for multi-agent systems with unknown non-linear inherent dynamics. <i>IET Control Theory and Applications</i> , <b>2015,</b> 9, 2165-2170	2-5	161
266	Strong $i$ ISS for neutrally stable systems by saturated linear state feedback. <b>2015,</b>		
265	Robust tracking of quadrotor UAV using RISE controller with input saturation. <b>2015,</b>		2
264	Repulsive Function in Potential Field Based Control with Algorithm for Safer Avoidance. <b>2015,</b> 80, 59-70		2
263	On global external stochastic stabilization of linear systems with input saturation. <i>Automatica</i> , <b>2015,</b> 51, 9-13	5-7	5
262	Coordination control of quadrotor VTOL aircraft in three-dimensional space. <b>2015,</b> 88, 543-558		18
261	Finite-time observer-based output-feedback control for the global stabilisation of the PVTOL aircraft with bounded inputs. <i>International Journal of Systems Science</i> , <b>2016,</b> 47, 1543-1562	2-3	9
260	Event-based global stabilization of linear systems via a saturated linear controller. <b>2016,</b> 26, 1073-1091		45
259	Altitude control improvement for a Quadrotor UAV using integral action in a sliding-mode controller. <b>2016,</b>		4
258	Synthesis of the quad-rotor flight control system. <b>2016,</b>		1

257	Adaptive tracking algorithm for a rigid spacecraft with input saturation. <b>2016,</b>		
256	Analysis of linear systems with piecewise linear functions in the input. <b>2016,</b>		2
255	New bounded backstepping control designs for time-varying systems under converging-input-converging-state conditions. <b>2016,</b>		5
254	Global stabilization of a Korteweg-de Vries equation with a distributed control saturated in L2-norm. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 122-127	0.7	1
253	Global Stabilization of a Class of High-Order Upper-Triangular Nonlinear Systems using Dynamic State-Feedback**This work was supported in part by the National Natural Science Foundation of China (61473082).. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 730-735	0.7	1
252	Robust Control of a Flapping-Wing MAV by Differentiable Wingbeat Modulation. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 290-295	0.7	4
251	Semi-global bipartite consensus for linear multi-agent systems subject to actuator saturation. <b>2016,</b>		1
250	A novel guidance law with input saturation. <b>2016,</b>		1
249	Global stabilisation of complicated feedforward non-linear systems by constructing state-dependent saturation levels. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 2071-2082	2.5	3
248	A tutorial and overview of retrospective cost adaptive control. <b>2016,</b>		4
247	On the estimation of the domain of attraction for linear systems with asymmetric actuator saturation via asymmetric Lyapunov functions. <b>2016,</b>		12
246	Robust trajectory-tracking control design for a small Quad-rotor aircraft via sliding modes. <b>2016,</b>		
245	A command-filtered backstepping approach to autonomous inspections using a quadrotor. <b>2016,</b>		2
244	Further results on global stabilization of the double integrator system by delayed and bounded controls. <b>2016,</b>		
243	Quasi time-optimal hybrid trajectory tracking of an n-dimensional saturated double integrator. <b>2016,</b>		1
242	. <b>2016,</b>		4
241	Near minimum-time feedback attitude control with multiple saturation constraints for agile satellites. <b>2016</b> , 29, 722-737		7
240	Strong iISS for a class of systems under saturated feedback. <i>Automatica</i> , <b>2016</b> , 71, 272-280	5.7	8

239	Global Stabilization of the Multiple Integrators System by Delayed and Bounded Controls. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 4222-4228	5.9	23
238	Event-triggered control for semi-global stabilisation of systems with actuator saturation. <b>2016</b> , 89, 1047-1064		26
237	Global leader-following consensus of a group of general linear systems using bounded controls. <i>Automatica</i> , <b>2016</b> , 68, 294-304	5.7	69
236	A switching anti-windup design based on partitioning of the input space. <i>Systems and Control Letters</i> , <b>2016</b> , 88, 39-46	2.4	15
235	Robust exponential stability of uncertain impulsive delays differential systems. <b>2016</b> , 191, 12-18		6
234	Necessary and Sufficient Conditions for Global External Stochastic Stabilization of Linear Systems With Input Saturation. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1368-1372	5.9	4
233	Airship robust path-tracking: A tutorial on airship modelling and gain-scheduling control design. <b>2016</b> , 50, 22-36		33
232	InnerOuter Loop Control for Quadrotor UAVs With Input and State Constraints. <b>2016</b> , 24, 1797-1804		94
231	Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control. <i>Automatica</i> , <b>2016</b> , 63, 302-310	5.7	109
230	Saturations-based nonlinear controllers with integral term: validation in real-time. <b>2016</b> , 89, 879-891		3
229	Almost global trajectory tracking control of quadrotors with constrained control inputs. <b>2016</b> , 230, 856-869		8
228	Stabilization of a class of upper-triangular systems without a priori knowledge of control directions under the homogeneous domination. <b>2016</b> , 38, 929-940		
227	Nonlinear Static State Feedback for Saturated Linear Plants via a Polynomial Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 469-474	5.9	4
226	Predictor-based control for an inverted pendulum subject to networked time delay. <b>2017</b> , 67, 306-316		8
225	Stabilization of a class of underactuated vehicles with uncertain position measurements and application to visual servoing. <i>Automatica</i> , <b>2017</b> , 77, 155-169	5.7	11
224	Global Stabilization of Linearized Spacecraft Rendezvous System by Saturated Linear Feedback. <b>2017</b> , 25, 2185-2193		18
223	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 1402-1411	3.7	13
222	Attitude Control of a Micro AUV through an Embedded System. <b>2017</b> , 15, 603-612		10

221	Global Stabilization of a Korteweg–De Vries Equation With Saturating Distributed Control. <b>2017</b> , 55, 1452-1480		25
220	Global stabilization of classes of linear control systems with bounds on the feedback and its successive derivatives. <i>Systems and Control Letters</i> , <b>2017</b> , 99, 17-24	2.4	5
219	On Problem of Synthesis of Control System for Quadrocopter. <b>2017</b> , 53, 342-348		7
218	Cone-bounded feedback laws for m-dissipative operators on Hilbert spaces. <b>2017</b> , 29, 1		15
217	Global Stabilization of Linear Systems with Bounds on the Feedback and its Successive Derivatives. <b>2017</b> , 55, 2783-2810		2
216	Coordinated tracking of linear multiagent systems with input saturation and stochastic disturbances. <b>2017</b> , 71, 3-9		12
215	Global stabilization of a chain of integrators by a switching event-triggered bounded control. <b>2017</b> ,		
214	Global Stabilization of Multiple Oscillator Systems by Delayed and Bounded Feedback. <b>2017</b> , 64, 675-679		8
213	Global decentralised stabilisation for a class of uncertain large-scale high-order upper-triangular nonlinear systems. <i>International Journal of Systems Science</i> , <b>2017</b> , 48, 1123-1135	2.3	5
212	On the Bipartite Consensus for Generic Linear Multiagent Systems With Input Saturation. <b>2017</b> , 47, 1948-1958		191
211	Global Finite-Time Stabilization of Planar Linear Systems With Actuator Saturation. <b>2017</b> , 64, 947-951		28
210	. <b>2017</b> , 22, 952-960		33
209	Adaptive model predictive control for set-point tracking of a single-DOF flapping-wing unmanned aerial vehicle. <b>2017</b> ,		3
208	Nested saturation control based on the extended state observer: Twin rotor MIMO system. <b>2017</b> ,		
207	Nested Saturation Based Control of Ultra-Compliant Cantilever with Tip Mass mounted on a Cart * *This work has been carried out at Suman Mashruwala Advanced Microengineering laboratory with partial support from generous donation by IIT Bombay alumnus Mr Raj Mashruwala. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 8465-8471	0.7	1
206	Robust time-sub-optimal control of the saturated double integrator applied to attitude stabilization. <b>2017</b> ,		
205	Parameterisation of a special class of saturated controllers and application to mechanical systems. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 3146-3155	2.5	2
204	State-of-the-Art. <b>2017</b> , 3-30		



203	Output Feedback Control for Asymptotic Stabilization of Spacecraft with Input Saturation. <b>2017</b> , 2017, 1-7		1
202	Global External Stochastic Stabilization of Linear Systems with Input Saturation: An Alternative Approach. <b>2017</b> , 2017, 1-7		1
201	Nonlinear Control Algorithms with Integral Action**The results in this chapter were developed in collaboration with A.G. Alatorre and S. MondilFrom CINVESTAV-IPN, Mexico, and with J. Colmenares and N. Marchand from GIPSA Lab, France.. <b>2017</b> , 133-155		
200	Global control for a class of uncertain upper-triangular nonlinear systems with uncontrollable linearization. <b>2017</b> ,		1
199	Global stabilization of linear systems with bounded controls by the energy function with applications to the spacecraft rendezvous. <b>2017</b> ,		5
198	Retrospective Cost Adaptive Control: Pole Placement, Frequency Response, and Connections with LQG Control. <i>IEEE Control Systems</i> , <b>2017</b> , 37, 28-69	2.9	13
197	Event-triggered global stabilization of discrete-time linear systems using bounded controls. <b>2017</b> ,		5
196	Receding horizon guidance of a small unmanned aerial vehicle for planar reference path following. <b>2018</b> , 77, 129-137		11
195	Event-triggered global leader-following consensus of a group of neutrally stable linear systems subject to input saturation. <b>2018</b> , 28, 3376-3391		1
194	Stability and Performance of Control Systems with Actuator Saturation. <b>2018</b> ,		21
193	Autonomous recovery of a fixed-wing UAV using a net suspended by two multirotor UAVs. <b>2018</b> , 35, 717-731		11
192	New Saturated Delayed Control for a Chain of Integrators with Nonlinear Terms. <b>2018</b> , 20, 1907-1916		0
191	Curved Path Following Control for Fixed-wing Unmanned Aerial Vehicles with Control Constraint. <b>2018</b> , 89, 107-119		20
190	Adaptive control of a quadrotor aerial vehicle with input constraints and uncertain parameters. <b>2018</b> , 91, 1140-1160		38
189	An asymmetric Lyapunov function for linear systems with asymmetric actuator saturation. <b>2018</b> , 28, 1624-1640		11
188	Event-Based Impulsive Control of Continuous-Time Dynamic Systems and Its Application to Synchronization of Memristive Neural Networks. <b>2018</b> , 29, 3599-3609		67
187	Introduction. <b>2018</b> , 1-10		
186	Convex Hull Representations. <b>2018</b> , 11-61		

185	The Maximal Contractively Invariant Ellipsoids. <b>2018</b> , 63-109		
184	Composite Quadratic Lyapunov Functions. <b>2018</b> , 111-155		
183	Disturbance Tolerance and Rejection. <b>2018</b> , 157-198		
182	Partitioning of the Convex Hull. <b>2018</b> , 199-238		
181	Control Systems with an Algebraic Loop. <b>2018</b> , 239-285		
180	Generalized Piecewise Quadratic Lyapunov Functions. <b>2018</b> , 287-334		
179	Linear Systems with Asymmetric Saturation. <b>2018</b> , 335-355		
178	Global stabilization of feedforward nonlinear time-delay systems by bounded controls. <i>Automatica</i> , <b>2018</b> , 88, 21-30	5.7	28
177	A Simple Controller for the Transition Maneuver of a Tail-Sitter Drone. <b>2018</b> ,		4
176	On Bounded Control of A Class of Feedforward Nonlinear Time-Delay Systems. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 89-93	0.7	1
175	Quaternion Modeling and Observer-based Torque Compensation of an Aerial Manipulator. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 543-548	0.7	3
174	Trajectory Tracking Control of a Quadrotor Aerial Vehicle in the Presence of Input Constraints. <b>2018</b> , 16, 2966-2976		4
173	Design, Modeling and Control of a Micro AUV. <b>2018</b> ,		
172	Safety Verification Using Barrier Certificates with Application to Double Integrator with Input Saturation and Zero-Order Hold. <b>2018</b> ,		5
171	. <b>2018</b> ,		5
170	Rotorcraft with a 3DOF Rigid Manipulator: Quaternion-based Modeling and Real-time Control Tolerant to Multi-body Couplings. <b>2018</b> , 15, 547-558		6
169	Stabilization of Wave Equation with Boundary Saturated Control. <b>2018</b> ,		1
168	The anti-windup controller design for multi-propeller aerostat based on nested saturation function. <b>2018</b> ,		

167	Conditions for Global Asymptotic Stabilizability of the Double Integrator System with Output Saturation. <b>2018,</b>		1
166	Global stabilization of discrete-time multiple integrators with bounded and delayed feedback. <i>Automatica</i> , <b>2018</b> , 97, 306-315	5-7	9
165	Reentry Vehicle Attitude Control Based on Anti-windup Method. <b>2018,</b>		
164	A singular perturbation approach to saturated controller design with application to bounded stabilization of wing rock phenomenon. <i>Nonlinear Dynamics</i> , <b>2018</b> , 93, 2263-2272	5	4
163	Global stabilization of discrete-time feedforward time-delay systems by bounded controls. <b>2018</b> , 28, 4438		4
162	Periodic Orbits in Planar Linear Systems With Input Saturation. <b>2018</b> , 2, 435-440		0
161	Control Algorithm for Taking off and Landing Manoeuvres of Quadrotors in Open Navigation Environments. <b>2019</b> , 17, 2331-2342		5
160	Controlling a Chain of Integrators with Constrained Actuation Using Exponential Activation Functions. <b>2019,</b>		
159	Control of a PVTOL* with tilting rotors*. <b>2019,</b>		
158	Adaptive Control of a General Class of Upper Triangular Systems with Parametric Uncertainty. <b>2019</b> ,		0
157	Nested Saturation Based Guidance Law for Unmanned Aerial Vehicles1. <b>2019</b> , 141,		5
156	Event-triggered global stabilization of general linear systems with bounded controls. <i>Automatica</i> , <b>2019</b> , 107, 241-254	5-7	14
155	Immersion and invariance-based integrated guidance and control for unmanned aerial vehicle path following. <i>International Journal of Systems Science</i> , <b>2019</b> , 50, 1052-1068	2-3	5
154	Forwarding Control Design for Strict-Feedforward Systems. <b>2019</b> , 141,		4
153	Saturated control design of a quadrotor with heterogeneous comprehensive learning particle swarm optimization. <b>2019</b> , 46, 84-96		8
152	A Singularity-free Hierarchical Nonlinear Quad-Rotorcraft Control using Saturation and Barrier Lyapunov Function. <b>2019,</b>		4
151	Quadrotor Control Design under Time and State Constraints: Implicit Lyapunov Function Approach. <b>2019,</b>		1
150	Distributed integral control of multiple UAVs: precise flocking and navigation. <i>IET Control Theory and Applications</i> , <b>2019</b> , 13, 2008-2017	2-5	10

149	Non-Linear Control for PVTOL Without Algebraic Restrictions. <b>2019</b> ,		
148	Design of saturated controls for an unstable parabolic PDE. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 310-315	0.7	1
147	Event-triggered leader-following consensus of UAVs carrying a suspended load. <b>2019</b> ,		1
146	Stabilizing Control for a ball and beam system considering the restricted beam angle and ball speed. <b>2019</b> ,		2
145	Controller design for a class of nontriangular nonlinear systems with input dependent growth rate. <b>2019</b> , 29, 1325-1338		4
144	Control design in the presence of actuator saturation: from individual systems to multi-agent systems. <b>2019</b> , 62, 1		21
143	Global stabilisation of discrete-time linear systems using event-triggered bounded controls. <i>IET Control Theory and Applications</i> , <b>2019</b> , 13, 1355-1366	2.5	1
142	A simple nonlinear PD control for faster and high-precision positioning of servomechanisms with actuator saturation. <b>2019</b> , 121, 215-226		19
141	Control of high order integrator chain systems subjected to disturbance and saturated control: A new adaptive scheme. <i>Automatica</i> , <b>2019</b> , 100, 108-113	5.7	13
140	. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 3484-3491	5.9	12
139	Geometric control of a quadrotor in wind with flow sensing and thrust constraints: Attitude and position control. <b>2019</b> ,		2
138	Bounded control of feedforward time-delay systems with linearized systems consisting of chain of oscillators. <b>2019</b> , 29, 283-305		5
137	Immersion and Invariance-Based Adaptive Controller for Quadrotor Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 2288-2297	7.3	38
136	A switched and scheduled design for model recovery anti-windup of linear plants. <b>2019</b> , 46, 23-35		7
135	Performance Improvement of Consensus Tracking for Linear Multiagent Systems With Input Saturation: A Gain Scheduled Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 734-746	7.3	4
134	Flat trajectory design and tracking with saturation guarantees: a nano-drone application. <b>2020</b> , 93, 1266-1279		6
133	Nested saturation control of multiple vector integrators and its application to motion control of UAVs. <b>2020</b> , 30, 246-265		4
132	Standoff Tracking of a Moving Target for Quadrotor Using Lyapunov Potential Function. <b>2020</b> , 18, 845-855		7

131	Robust Sub-optimality of Linear-Saturated Control via Quadratic Zero-Sum Differential Games. <b>2020</b> , 184, 1109-1125		
130	A multilevel sampled-data approach for resilient navigation and control of autonomous systems. <b>2020</b> , 30, 1071-1097		1
129	Logic-Based Switching Control for Stabilization of Stochastic Feedforward Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4408-4415	5.9	2
128	A transformed proportional-integral-derivative controller for a multi-vectored propeller aerostat with independent actuator magnitude and rate saturations. <b>2020</b> , 103, 36850420950123		
127	Stabilization and Tracking Control Algorithms for VTOL Aircraft: Theoretical and Practical Overview. <b>2020</b> , 100, 1249-1263		2
126	Dual-mode global stabilization of high-order saturated integrator chains: LMI-based MPC combined with a nested saturated feedback. <i>Nonlinear Dynamics</i> , <b>2020</b> , 102, 211-222	5	1
125	Global Stabilization of the Discrete-Time Integrators System by Bounded Controls. <b>2020</b> , 67, 5175-5188		2
124	Control of the robot-wheel with a pendulum. <b>2020</b> ,		4
123	Output feedback control of integrator systems with disturbance and input saturation. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 9330-9350	4	3
122	Tracking control of vertical taking-off and landing vehicles with parametric uncertainty. <b>2020</b> , 34, 1294-1307		
121	Geometric Tracking Control of a Quadrotor on SE(3) using left tracking error function. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 301-306	0.7	1
120	A New Recursive Framework for Trajectory Generation of UAVs. <b>2020</b> ,		2
119	Parametric Lyapunov equation based event-triggered and self-triggered control of input constrained linear systems. <b>2020</b> , 30, 6606-6626		3
118	A Robust Control Scheme for a PVTOL System Subject to Wind Disturbances. <b>2020</b> , 2020, 1-11		1
117	Design of global smooth implicit control Lyapunov function for multiple-integrator system with input constraint. <i>Systems and Control Letters</i> , <b>2020</b> , 145, 104776	2.4	0
116	Landing control design for a VTOL aircraft. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 855-864	2.5	
115	A survey on anti-disturbance control of switched systems with input saturation. <b>2020</b> , 8, 241-248		2
114	Nested Saturation Function Control of a Magnetic Levitation System. <b>2020</b> , 2020, 1-9		1

113	Nonlinear disturbance observer based geometric control of quadrotors. <b>2020</b> , 23, 1936		1
112	Robust Adaptive Output Feedback Control for a Class of Underactuated Aerial Vehicles with Input and Output Constraints. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-18	1.1	
111	Bounded control of feedforward nonlinear systems subject to input time-delay. <b>2020</b> , 30, 5579-5601		
110	Tracking Control for Quad-Rotor Using Velocity Field and Obstacle Avoidance Based on Hydrodynamics. <b>2020</b> , 9, 233		0
109	Cooperative Formation Control Under Switching Topology: An Experimental Case Study in Multirotors. <b>2020</b> , PP,		2
108	Saturated stabilization for an uncertain cascaded system subject to an oscillator. <i>Automatica</i> , <b>2020</b> , 115, 108878	5.7	0
107	Geometric Attitude and Position Control of a Quadrotor in Wind. <b>2020</b> , 43, 870-883		2
106	Synchronization in Multiple Neural Networks With Delay and Disconnected Switching Topology via Event-Triggered Impulsive Control Strategy. <b>2021</b> , 68, 2491-2500		7
105	Global Stabilization of Discrete-Time Linear Systems Subject to Input Saturation and Time Delay. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 1345-1352	5.9	9
104	Local Stabilization of an Unstable Parabolic Equation via Saturated Controls. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2162-2176	5.9	5
103	A Generalized Vision-based Stiffness Controller for Robot Manipulators with Bounded Inputs. <b>2021</b> , 19, 548-561		4
102	On Designing Event-Triggered Output Feedback Tracking Controller for Feedforward Nonlinear Systems. <b>2021</b> , 68, 677-681		4
101	Zhang-Gradient Control. <b>2021</b> ,		1
100	Control of a quadrotor with network induced time delay. <b>2021</b> , 111, 132-143		7
99	Stabilizing Control for a Ball and Beam System Considering Restricted Beam Angle. <b>2021</b> , 57, 285-292		
98	Time-optimal of fixed wing UAV aircraft with input and output constraints. <b>2021</b> ,		
97	Comments on Adaptive Sliding Mode Control for Attitude Stabilization With Actuator Saturation. <b>2021</b> , 1-1		1
96	An Improved Dynamic Gain Method to Global Regulation of Feedforward Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	3

95	Time-delay robustness analysis of a nested saturation control for UAV motion control. <b>2021</b> , 69-93		1
94	Dynamic output-feedback control of a chain of discrete-time integrators with arbitrary zeros and asymmetric input saturation. <i>Automatica</i> , <b>2021</b> , 125, 109387	5-7	0
93	Static output feedback control of a chain of integrators with input constraints using multiple saturations and delays. <i>Automatica</i> , <b>2021</b> , 125, 109457	5-7	3
92	Impulsive Containment Control for Linear Multi-Agent Systems with Self-Feedback and Aperiodic Sampling. <b>2021</b> ,		
91	PVTOL global stabilisation using a nested saturation control. 1-11		2
90	Optimal nonlinear damping control of second-order systems. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 4292-4302	4	1
89	Constrained rigid body attitude stabilization: an anti-windup approach. <b>2021</b> ,		1
88	Bounded control of multiple oscillators system by using state-dependent saturation functions. 1-13		
87	Constrained Rigid Body Attitude Stabilization: An Anti-Windup Approach. <b>2021</b> , 5, 1663-1668		0
86	A Class of Bounded and Partially Bounded Nonlinear Controllers for First and Second Order Dynamical Systems. <b>2022</b> , 6, 1028-1033		1
85	Closed-Loop Identification and Real-Time Control of a Micro Quadcopter. <b>2021</b> , 1-1		0
84	Adaptive Asymptotic Tracking Control Without Singularity for a Class of Uncertain Quadrotors With Thrust Saturation. <b>2021</b> , 9, 104612-104625		0
83	Further Results on Global Stabilization of the PVTOL Aircraft. 303-310		8
82	Robust Adaptive Control of Input Rate Constrained Discrete Time Systems. <b>2001</b> , 333-348		6
81	Adaptive Control with Input Saturation Constraints. <b>2001</b> , 361-381		9
80	Consensus of Multi-agent Systems with Large Input and Communication Delays. <b>2014</b> , 273-325		1
79	On the $L_p$ -stabilization of the double integrator subject to input saturation. <b>2001</b> , 6, 291-331		24
78	Stabilization of a class of uncertain feedforward nonlinear systems subject to input delay. <i>International Journal of Systems Science</i> , <b>2021</b> , 52, 1466-1478	2-3	2

77	Forwarding design for stabilization of a coupled transport equation-ODE with a cone-bounded input nonlinearity. <b>2020</b> ,		3
76	Output Feedback Control of a Chain of Integrators under Uncertain AC and DC Sensor Noise. <b>2013</b> , E96.A, 2275-2278		2
75	Global Stabilization of Feedforward Nonlinear System Based on Nested Saturated Control. <b>2010</b> , 36, 528-533		3
74	Global stabilization for ball-and-beam systems via state and partial state feedback. <b>2015</b> , 12, 17-29		4
73	Generalized homogeneous systems with applications to nonlinear control: A survey. <b>2015</b> , 5, 585-611		8
72	Stabilization of a Pitch Axis Flight Control Experiment with Input Rate Saturation. <b>1999</b> , 20, 225-240		7
71	Stabilization of the Overhead Crane System via Saturation Technique. <b>2021</b> ,		0
70	Stabilization of the planar vertical take-off and landing using nonlinear feedback control. <b>2022</b> , 32, 3		
69	Control design for maximal capability of disturbance rejection under general control input saturation. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 9771-9771	4	1
68	Adaptive Control of Linear Systems with Poles in the Closed LHP with Constrained Inputs. <b>2001</b> , 349-359		1
67	Adaptive Control for Systems with Input Constraints A Survey. <b>2001</b> , 311-332		2
66	On the Stabilization of Systems with Bounded and Delayed Input. <b>2004</b> , 111-122		
65	Gain Scheduling Controller Design for Two-Rotor Hovering System and its Experimental Verification. <b>2006</b> , 18, 589-597		
64	Comparative Results on Stabilization of the Quad-rotor Rotorcraft Using Bounded Feedback Controllers. <b>2011</b> , 389-408		2
63	Combining Stereo Vision and Inertial Navigation System for a Quad-Rotor UAV. <b>2011</b> , 373-387		2
62	Stability Analysis and StabilizationSector Nonlinearity Model Approach. <b>2011</b> , 123-183		
61	Nonlinear Tracking Controller Design for Unmanned Helicopters. <b>2011</b> , 103-135		
60	Constraints on inputs: actuator saturation. <i>Systems and Control: Foundations and Applications</i> , <b>2012</b> , 111-337		0



59 Introduction. **2013**, 1-8

58 Autonomous Hovering of a Two-Rotor UAV. 59-78

57 Modeling and Control of a Convertible Plane UAV. 79-113

56 Control of Different UAVs with Tilting Rotors. 115-132

55 Nested Saturation Control for Stabilizing the PVTOL Aircraft. 21-40

o

54 Hover Stabilization of a Quad-Rotor Using a Single Camera. 167-189

53 Applications of the Truncated Predictor Feedback to the Spacecraft Rendezvous and Formation Flying. **2014**, 327-359

52 Global Stabilization of Planar Systems with Input Delay and Saturation. **2014**, 147-178

51 Introduction. **2014**, 1-8

50 Stabilization of Linear Systems with Input and Output Delays. **2014**, 107-145

49 Stabilization of Linear Systems with a Single Input Delay. **2014**, 9-44

48 Stabilization of Discrete-Time Systems with Input Delays. **2014**, 199-235

47 Stabilization of Linear Systems with Multiple and Distributed Input Delays. **2014**, 45-80

46 Stabilization of Linear Systems with Both State and Input Delays. **2014**, 81-105

45 Stabilization of Discrete-Time Systems with Input and Output Delays. **2014**, 237-272

i

44 SYSTEMS COMBINING LINEARITY AND SATURATIONS, AND RELATIONS OF NEURAL NETS\*\*This research was supported in part by US Air Force Grants 91-0343 and 91-0346. **1993**, 15-21

43 STABILIZATION OF LINEAR SYSTEMS WITH BOUNDED CONTROLS. **1993**, 51-56

42 Nonlinear Control of Constrained Dynamic Systems. **1997**, 453-461

o

41	Adaptive Control with Application to Miniature Aerial Vehicles. 664-713		0
40	Stability analysis and stabilization for quadratic discrete-time systems with actuator saturation. <b>2016,</b>		
39	Transition From Batch to Continuous Operation in Bio-reactors: A Model Predictive Control Approach and Application. <i>Advances in Industrial Control</i> , <b>2019</b> , 69-83	0.3	
38	Applied Theory of Nonlinear System Design: Method Comparison. <b>2019,</b>		
37	Design of Saturated Boundary Control for Hyperbolic Systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 5342-5347	0.7	1
36	Adaptive Stabilization of Time-Delay Feedforward Systems with Unknown Parameters. <b>2020,</b>		0
35	Single saturated PD control for asymptotic attitude stabilisation of spacecraft. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 3338-3343	2.5	2
34	Chain of four integrators as a possible essence of the under-actuated planar walking. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 60-65	0.7	0
33	Input saturation: academic insights and future trends. <i>International Journal of Systems Science</i> , 1-15	2.3	0
32	Stabilization and Finite-Gain Stabilizability of Delay Linear Systems Subject to Input Saturation. <b>2007</b> , 329-341		
31	Hybrid Feedback Stabilization of Nonlinear Systems with Quantization Noise and Large Delays. <b>2008</b> , 465-483		
30	ZG Tracking Control of MI Systems. <b>2021</b> , 99-120		
29	Controlling the PVTOL Aircraft System with an Inverted Pendular Load by means of Nested Saturation Functions and GPI Controller. <i>Mathematical Problems in Engineering</i> , <b>2021</b> , 2021, 1-19	1.1	0
28	Stabilisation of quadrotor aircraft with constrained controls. <i>International Journal of Systems Science</i> , 1-15	2.3	1
27	Composite Nonlinear Path-Following Control for Unmanned Ground Vehicles With Anti-Windup ESO. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	0
26	Low gain feedback for fractional-order linear systems and semi-global stabilization in the presence of actuator saturation. <i>Nonlinear Dynamics</i> , 1	5	1
25	Revisiting Minimal Realizations [Lecture Notes]. <i>IEEE Control Systems</i> , <b>2021</b> , 41, 70-79	2.9	
24	Real-Time Improvement of a Trajectory-Tracking Control Based on Super-Twisting Algorithm for a Quadrotor Aircraft. <i>Drones</i> , <b>2022</b> , 6, 36	5.4	1

23	Event-Triggered and Self-Triggered Gain Scheduled Control of Linear Systems With Input Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-12	7.3	0
22	Control Scheme for Rotary Base Inverted Pendulum by Means of Nested Saturation Functions. <b>2021</b> ,		
21	Global trajectory tracking for quadrotors: An MRP-based hybrid backstepping strategy. <b>2021</b> ,		0
20	Solving nonlinear algebraic loops arising in input-saturated feedbacks. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	0
19	Semi-global finite-time stabilization of saturated spacecraft rendezvous system by dynamic event-triggered and self-triggered control. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2022</b> , 1-1	3.7	2
18	Tracking Control for Triple-Integrator and Quintuple-Integrator Systems with Single Input Using Zhang Neural Network with Time Delay Caused by Backward Finite-Divided Difference Formulas for Multiple-Order Derivatives. <i>Mathematics</i> , <b>2022</b> , 10, 1440	2.3	0
17	Bounded Controls for Discrete-Time Linear Systems Subject to Input Time Delay. <i>Journal of the Franklin Institute</i> , <b>2022</b> , 359, 4893-4893	4	0
16	Global Stability of a Switched Affine System. <b>2022</b> ,		
15	Disturbance observer-based saturated fixed-time pose tracking for feature points of two rigid bodies. <i>Automatica</i> , <b>2022</b> , 144, 110475	5.7	0
14	Finite-Time Stabilization of the Generalized Bouc-Wen Model for Piezoelectric Systems. <b>2023</b> , 7, 97-102		1
13	On the Robustness of a Class of Saturated Controllers in the Presence of Large Disturbances with Bounded Moving Average. <b>2022</b> ,		
12	Stability and Fast Transient Performance Oriented Motion Control of a Direct-Drive System With Modeling Uncertainties, Velocity, and Input Constraints. <b>2022</b> , 1-10		0
11	On the equivalence of the three-link to the almost linear form*. <b>2022</b> ,		0
10	Robust bounded control scheme for quadrotor vehicles under high dynamic disturbances.		1
9	Controlling a quadrotor UAV by means of a fractional nested saturation control. <b>2022</b> ,		0
8	Model-Free Stabilization in the Presence of Actuator Saturation. <b>2023</b> , 163-224		0
7	Disturbance rejection control of multiple integrators system by bounded linear extended observer based output feedback.		0
6	Stabilization of the complex double integrator by means of a saturated linear feedback.		0

- 5 Bibliography. **2023**, 257-260 ○
- 4 Nonlinear controllers. **2023**, 49-88 ○
- 3 Fundamentals of linear and nonlinear controllers. **2023**, 197-206 ○
- 2 Approximation of compositional functions with ReLU neural networks. **2023**, 175, 105508 ○
- 1 The Best Ellipsoidal Estimates of Invariant Sets for a Third-Order Switched Affine System. **2022**, 66-78 ○