

CITATION REPORT

List of articles citing

Discontinuous control of nonholonomic systems

DOI: 10.1016/0167-6911(95)00041-0
Systems and Control Letters, 1996, 27, 37-45.

Source: <https://exaly.com/paper-pdf/27387480/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
588	A universal saturation controller design for mobile robots.		3
587	On output feedback stabilization of uncertain chained systems.		1
586	Classification of nonholonomic systems from mechanical and control-theoretical viewpoints.		
585	State and output feedback stabilization of multiple chained systems with discontinuous control.		9
584	Reduced Effort Control Laws for Underactuated Rigid Spacecraft. 1997 , 20, 1089-1095		34
583	Exponentially convergent controllers for n-dimensional nonholonomic systems in power form. 1997		
582	Backstepping-based discontinuous adaptive control design for the stabilization of nonholonomic mobile robots with matched uncertainties.		2
581	Discontinuous control design for the stabilization of nonholonomic systems in chained form using the backstepping approach.		9
580	Discontinuous control of the Brockett integrator.		5
579	State and output feedback stabilization of multiple chained systems with discontinuous control. <i>Systems and Control Letters</i> , 1997 , 32, 49-56	2.4	30
578	Regulation and tracking of the nonholonomic double integrator: A field-oriented control approach. 1998 , 34, 125-131		38
577	Exponentially convergent control laws for nonholonomic systems in power form. <i>Systems and Control Letters</i> , 1998 , 35, 87-95	2.4	51
576	A Min-Max Approach to Set Point Stabilisation for a Class of Drift-Free Systems. 1998 , 4, 32-48		
575	Discontinuous Control of the Brockett Integrator. 1998 , 4, 49-63		33
574	Discontinuous feedback control of a planar rigid body with an unactuated degree of freedom.		7
573	Discrete-Time Sliding Mode Control of a Nonholonomic Mobile Robot. 1998 , 31, 553-558		3
572	Underactuated Nonlinear Systems with Non-Stabilizable Linear Approximation: A Case Study. 1998 , 31, 213-218		

571	Exponential Stabilization of High-Order Chained Systems. 1998 , 31, 621-626	2
570	Time-optimal control of the swing using impulse control actions. 1998 ,	3
569	The tracking problem for a mobile robot: A sliding mode controller for the dynamical model. 1999 ,	
568	A unified Lyapunov framework for stabilization and tracking of nonholonomic systems.	2
567	Stabilization of a class of Hamiltonian systems with nonholonomic constraints and its experimental evaluation.	5
566	Distributed power control algorithms for wireless networks.	3
565	Feedback control for planar maneuvers of an aerospace vehicle with an unactuated internal degree of freedom. 1999 ,	3
564	Discontinuous control of high-order generalized chained systems. <i>Systems and Control Letters</i> , 1999 , 37, 309-322	2.4 55
563	Kinematic time-invariant control of a 2D nonholonomic vehicle.	28
562	Feedback control of a planar manipulator with an unactuated elastically mounted end effector.	2
561	. 1999 ,	6
560	Robust stabilization of a mobile robot violating the nonholonomic constraint via quasi-sliding modes. 1999 ,	13
559	Feedback stabilization for a special class of underactuated mechanical systems.	2
558	Robust discrete time control of a nonholonomic mobile robot. 1999 , 32, 623-628	1
557	On the Robustness of a Family of Discontinuous Controllers. 2000 , 33, 341-346	1
556	A remark on Ryan's generalization of Brockett's condition to discontinuous stabilizability. 2001 , 291-297	
555	Global exponential setpoint control of wheeled mobile robots: a Lyapunov approach. 2000 , 36, 1741-1746	47
554	Variable structure exponential stabilization of chained systems based on the extended nonholonomic integrator. <i>Systems and Control Letters</i> , 2000 , 41, 225-235	2.4 34

553	Control design for chained-form systems with bounded inputs. <i>Systems and Control Letters</i> , 2000 , 39, 123-131	2.4	58
552	Robust exponential regulation of nonholonomic systems with uncertainties. 2000 , 36, 189-209		204
551	. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1053-1071	5.9	173
550	A switching control law for extended chained forms.		
549	Discontinuous controllers for high-order nonholonomic systems in power chained form. 2000 ,		
548	Global regulation and local robust stabilization of chained systems.		0
547	Smooth exponential stabilization of nonholonomic systems via time-varying feedback.		3
546	Exponential stabilization of extended chained forms. 2000 ,		1
545	Stabilization of nonholonomic chained systems via nonregular feedback linearization.		1
544	Global smooth time-varying exponential stabilization of nonholonomic chained form systems.		1
543	Robust tracking under uncertainties.		1
542	Adaptive controller for non-holonomic mobile robots with matched uncertainties. 2000 , 14, 105-118		14
541	On a closed loop time invariant position control solution for an underactuated 3D underwater vehicle: implementation, stability and robustness considerations.		0
540	. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1886-1892	5.9	7
539	Performance benefits of hybrid control design for linear and nonlinear systems. 2000 , 88, 1083-1096		67
538	Nonsmooth Analysis in Control Theory: A Survey. 2001 , 7, 145-159		17
537	Time-varying control of a class of nonholonomic systems.		0
536	Cusp-Free, Time-Invariant, 3D Feedback Control Law for a Nonholonomic Floating Robot. 2001 , 20, 300-311		2

535	Exponential stabilization of non-holonomic systems: An ENI approach. <i>International Journal of Control</i> , 2001 , 74, 1492-1500	1.5	16
534	Closed loop control of 3D underactuated vehicles via velocity field tracking.		5
533	Closed loop time invariant control of 3D underactuated underwater vehicles.		2
532	Symmetric Affine Systems with Two-Generators: Topology and Discontinuous Feedback Control. 2001 , 34, 915-920		
531	Hybrid Controller Design and Its Application to a Class of Nonholonomic Systems [Based on Complementarity Approach] 2001 , 34, 921-926		
530	A general framework to design stabilizing nonlinear model predictive controllers. <i>Systems and Control Letters</i> , 2001 , 42, 127-143	2.4	211
529	Saturated stabilization and tracking of a nonholonomic mobile robot. <i>Systems and Control Letters</i> , 2001 , 42, 327-332	2.4	155
528	Stabilization of nonholonomic chained systems via nonregular feedback linearization. <i>Systems and Control Letters</i> , 2001 , 44, 279-289	2.4	31
527	Adaptive robust stabilization of dynamic nonholonomic chained systems. 2001 , 18, 119-133		23
526	Adaptive exponential stabilization of mobile robots with unknown constant-input disturbance. 2001 , 18, 289-294		8
525	Invariant Manifold Approach for the Stabilization of Nonholonomic Chained Systems: Application to a Mobile Robot. <i>Nonlinear Dynamics</i> , 2001 , 24, 167-181	5	22
524	Control of underactuated manipulators using variable period deadbeat control.		3
523	A multi-input VS/backstepping design for nonholonomic systems. 2001 ,		
522	Motion control of a two-wheeled mobile robot. 2001 , 15, 711-728		15
521	Control of Wheeled Mobile Robots: An Experimental Overview. <i>Lecture Notes in Control and Information Sciences</i> , 2001 , 181-226	0.5	43
520	Nonholonomic stabilization with collision avoidance for mobile robots.		22
519	Motion Control of a Nonholonomic System Based on the Lyapunov Control Method. 2002 , 25, 285-290		19
518	Robust stabilization of chained systems via hybrid control.		2

517	Experiments in visual feedback control of a wheeled mobile robot.		4
516	New results on regulation of nonlinear systems in power chained form. 2002,		
515	Feedback control of triaxial attitude control testbed actuated by two proof mass devices.		2
514	Stabilization of uncertain nonholonomic systems using adaptive backstepping technique.		
513	Constrained minimum-time-oriented feedback control for the stabilization of nonholonomic systems in chained form.		
512	Switched feedback control for first-order symmetric affine systems via time-state control form. 2002,		5
511	Discontinuous exponential stabilization of chained form systems.		0
510	Extended Lyapunov control of first order systems and its applications.		
509	Control of the high-order chained form system.		1
508	Feedback control of nonholonomic systems with multi-generators.		
507	EXPONENTIAL STABILIZATION FOR NONLINEAR SYSTEMS WITH APPLICATIONS TO NONHOLONOMIC SYSTEMS. 2002, 35, 169-174		1
506	HOMOGENEOUS STABILIZATION OF THE EXTENDED CHAINED FORM SYSTEM. 2002, 35, 127-132		
505	SWITCHING FEEDBACK CONTROL OF NON-HOLONOMIC SYSTEMS WITH MULTI-GENERATORS. 2002, 35, 73-78		
504	Adaptive Stabilization of Uncertain Nonholonomic Systems by Output Feedback. 2002, 35, 463-468		
503	CRITERION FOR NONREGULAR FEEDBACK LINEARIZATION WITH APPLICATION. 2002, 35, 97-102		
502	Control of high-order nonholonomic systems in power chained form using discontinuous feedback. <i>IEEE Transactions on Automatic Control</i> , 2002, 47, 108-115	5.9	38
501	WMR control via dynamic feedback linearization: design, implementation, and experimental validation. <i>IEEE Transactions on Control Systems Technology</i> , 2002, 10, 835-852	4.8	426
500	Exponential ϵ -tracking and ϵ -stabilization of second-order nonholonomic SE(2) vehicles using dynamic state feedback. 2002,		6

499	Discontinuous backstepping for stabilization of nonholonomic mobile robots.		11
498	Near-identity diffeomorphisms and exponential ϵ -tracking and ϵ -stabilization of first-order nonholonomic SE(2) vehicles. 2002 ,		12
497	Some remarks on stabilization by means of discontinuous feedbacks. <i>Systems and Control Letters</i> , 2002 , 45, 271-281	2.4	19
496	Adaptive global stabilization of nonholonomic systems with strong nonlinear drifts. <i>Systems and Control Letters</i> , 2002 , 46, 195-205	2.4	46
495	Exponential stabilization of nonholonomic dynamic systems by smooth time-varying control. 2002 , 38, 1139-1146		177
494	Motion Control of Mobile Robots—from Static Targets to Fast Drives in Moving Crowds. 2002 , 12, 173-185		6
493	Constrained Minimum-Time-Oriented Feedback Control for the Stabilization of Nonholonomic Systems in Chained Form. 2003 , 118, 229-244		15
492	Discontinuous exponential stabilization of chained form systems. 2003 , 39, 343-348		64
491	Exponential stabilization for nonlinear systems with applications to nonholonomic systems. 2003 , 39, 1045-1051		12
490	Backstepping for nonsmooth systems. 2003 , 39, 1259-1265		57
489	Adaptive stabilization of uncertain nonholonomic systems by state and output feedback. 2003 , 39, 1451-1460		169
488	A result on the stabilization of nonlinear systems using state detection. 2003 , 16, 741-746		0
487	Local robust regulation of chained systems. <i>Systems and Control Letters</i> , 2003 , 49, 231-238	2.4	21
486	Nonholonomic navigation and control of cooperating mobile manipulators. 2003 , 19, 53-64		186
485	Robust stabilization of chained systems via hybrid control. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1768-1772	5.9	69
484	Full-state tracking and internal dynamics of nonholonomic wheeled mobile robots. <i>IEEE/ASME Transactions on Mechatronics</i> , 2003 , 8, 203-214	5.5	53
483	Nonregular feedback linearization: a nonsmooth approach. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1772-1776	5.9	11
482	A switching algorithm for global exponential stabilization of uncertain chained systems. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1793-1798	5.9	49

481	Global output feedback stabilization of uncertain nonholonomic systems with applications to mobile robots. 2003 ,		
480	A new method to design discontinuous stabilizing controllers for chained systems. 2003 ,		0
479	Simultaneous tracking and stabilization of mobile robots without velocity measurements.		2
478	Practical stabilization of driftless systems on Lie groups: the transverse function approach. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1496-1508	5.9	156
477	Special section technical notes and correspondence. Min-max model predictive control of nonlinear systems using discontinuous feedbacks. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1750-1755	5.9	60
476	Stabilization of a class of time varying systems with control saturations and measurement noise with application to nonholonomic systems.		
475	State and output feedback stabilization for second-order nonholonomic chained systems based on sampled data control approach.		1
474	Nonholonomic Control Experiments. 2003 , 36, 35-40		
473	A piecewise smooth switching control algorithm for chained systems. 2003 ,		
472	Attitude Control of a Spacecraft with Two Reaction Wheels. 2004 , 10, 1291-1311		14
471	Robust adaptive control of nonholonomic systems with uncertainties. 2004 , 25, 329-337		
470	The stabilization control of underactuated surface vessels. 2004 , 3, 63-68		
469	Adaptive stabilization of nonholonomic systems with unknown virtual control coefficients and nonlinear drifts.		1
468	Robust adaptive fuzzy control of uncertain nonholonomic systems.		
467	Simultaneous tracking and stabilization of mobile robots: an adaptive approach. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1147-1152	5.9	122
466	Stabilization of uncertain nonholonomic systems via time-varying sliding mode control. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 757-763	5.9	39
465	Practical and Asymptotic Stabilization of Chained Systems by the Transverse Function Control Approach. 2004 , 43, 32-57		17
464	A global output-feedback controller for simultaneous tracking and stabilization of unicycle-type mobile robots. 2004 , 20, 589-594		103

463	Robust adaptive neural network control of uncertain nonholonomic systems with strong nonlinear drifts. 2004 , 34, 2048-59	27
462	Level sets and stable manifold approximations for perceptually driven nonholonomically constrained navigation.	3
461	DISCONTINUOUS EXPONENTIAL STABILIZATION OF DYNAMIC CHAINED FORM SYSTEMS. 2005 , 38, 388-393	
460	MULTIINPUT SECOND ORDER SLIDING MODE CONTROL OF NONHOLONOMIC SYSTEMS. 2005 , 38, 883-888	2
459	CONTROL OF NONHOLONOMIC SYSTEMS: A SIMPLE STABILIZING TIME-SWITCHING STRATEGY. 2005 , 38, 634-639	2
458	ROBUST GLOBAL EXPONENTIAL STABILIZATION OF AN UNDERACTUATED AIRSHIP. 2005 , 38, 25-30	8
457	Stratified semiconcave control-Lyapunov functions and the stabilization problem. 2005 , 22, 343-384	12
456	Geometric Control of Mechanical Systems. 2005 ,	281
455	Nonholonomic systems stabilization and tracking control using discontinuous control.	0
454	Exponential Stabilization for Caplygin Systems: Simplified Controllability Condition and Examples.	
453	A Stabilizing Time-switching Control Strategy for the Rolling Sphere.	8
452	A new method to design discontinuous stabilizing controllers for cascade systems.	
451	Robust path following of car-like WMR in the presence of skidding effects.	0
450	Constrained Minimum-time-oriented Stabilization of Extended Chained Form Systems.	1
449	Nonlinear control experiment of RC car using internet. 2005 ,	1
448	Level sets and stable manifold approximations for perceptually driven non-holonomically constrained navigation. 2005 , 19, 1081-1095	2
447	Grobal position and posture control of a two-wheeled mobile robot using a discontinuous homogeneous control.	1
446	Nonlinear tracking control for nonholonomic mobile robots with input constraints: an experimental study.	8

445	Adaptive NN control of uncertain nonholonomic systems in chained form.		
444	Practical stabilization of two-wheel mobile robot with velocity limitations using time-varying control law. 2005 ,		6
443	A stabilizing receding horizon regulator for nonholonomic mobile robots. 2005 , 21, 1022-1028		48
442	A rank condition for ρ -exponential stabilization of dynamic Caplygin systems.		
441	Global time-varying stabilization of underactuated surface vessel. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 859-864	5.9	96
440	Discrete abstractions for robot motion planning and control in polygonal environments. 2005 , 21, 864-874		151
439	Output-feedback adaptive stabilization control design for non-holonomic systems with strong non-linear drifts. <i>International Journal of Control</i> , 2005 , 78, 474-490	1.5	52
438	Extended Chained Forms and Their Application to Nonholonomic Kinematic Systems with Affine Constraints: Control of a Coin on a Rotating Table. 2006 ,		10
437	Cascaded feedback linearization and its application to stabilization of nonholonomic systems. 2006 ,		
436	Velocity Scheduling Controller for a Nonholonomic Mobile Robot. 2006 ,		2
435	Robust Stabilization of Wheeled Mobile Robots Moving on Uncertain Uneven Surface. 2006 ,		2
434	An Exponentially ϵ -Convergent Control Algorithm for Chained Systems and Its Application to Automatic Parking Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2006 , 14, 1113-1126	4.8	13
433	A Framework for Automatic Deployment of Robots in 2D and 3D Environments. 2006 ,		10
432	Global-Stabilizing Near-Optimal Control Design for Nonholonomic Chained Systems. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 1440-1456	5.9	37
431	Adaptive Stabilization in Probability of Nonholonomic Systems. 2006 ,		
430	Smooth time-varying stabilization of driftless systems over communication channels. <i>Systems and Control Letters</i> , 2006 , 55, 982-991	2.4	10
429	Global output-feedback path tracking of unicycle-type mobile robots. 2006 , 22, 166-179		36
428	Adaptive robust control of nonholonomic systems with stochastic disturbances. 2006 , 49, 189-207		18

- 427 The output feedback control for uncertain nonholonomic systems. **2006**, 4, 128-132 1
- 426 Output Feedback Control for Uncertain Nonholonomic Systems in Chained Form. **2006**,
- 425 Disturbance Attenuation of Uncertain Nonholonomic Systems in Chained Forms. **2006**,
- 424 Rest-to-rest Maneuvering of a Nonholonomic Control Moment Gyroscope. **2006**, 4
- 423 Towards Exponential Stabilization of Nonholonomic Systems via a Hybrid Control Method. **2006**,
- 422 Controller Design for a Class of Nonregular-feedback-linearizable Systems. **2006**,
- 421 . **2006**,
- 420 Discontinuous Controller Design of the Chained Form System via Time State Control Form. **2006**,
- 419 A Finite-Time Controller for a Class of Wheeled Mobile Robots. **2006**,
- 418 State Feedback Tracking of a Nonholonomic Control Moment Gyroscope. **2006**, 15
- 417 Motion control of nonholonomic mobile underactuated manipulator. 1
- 416 Experimental Results for a Nonholonomic Mobile Robot Controller Enforcing Linear Equivalence Asymptotically. **2006**,
- 415 Switched Feedback Tracking Control of a Nonholonomic Mobile Robot. **2006**, 0
- 414 A Time-varying Cascaded Design for Trajectory Tracking Control of Nonholonomic Systems. **2006**,
- 413 Set Stabilization of Nonholonomic Mobile Robots. **2006**,
- 412 Adaptive H_∞ Control of Nonholonomic Systems Based on Inverse Optimality and Its Application to Mobile Robot. **2006**, 2
- 411 Decentralized formation control and obstacle avoidance for multiple robots with nonholonomic constraints. **2006**, 19
- 410 An Input Extension Control Method for A Class of Second-Order Nonholonomic Mechanical Systems with Drift. **2006**,

409	Automatic Parking Benchmark Problem: Experimental Comparison of Nonholonomic Control Methods. 2006,		
408	Control of nonholonomic systems with uncertainties via second order sliding modes. 2006,		0
407	An experimental comparison of nonholonomic control methods: Automatic parking benchmark. 2007,		2
406	Fast Regulation of the Rolling Sphere: A Motion Planning Approach. 2007,		1
405	Discontinuous controller designs for chained system by considering Time Scale Transformation. 2007,		
404	Minimum energy oriented global stabilizing control of the PVTOL aircraft. <i>International Journal of Control</i> , 2007 , 80, 430-442	1.5	6
403	A time-varying cascaded design for trajectory tracking control of non-holonomic systems. <i>International Journal of Control</i> , 2007 , 80, 416-429	1.5	35
402	Visual Servoing for Nonholonomically Constrained Three Degree of Freedom Kinematic Systems. 2007 , 26, 715-736		25
401	CLASSIFICATION AND CONTROL FOR DRIFTLESS SYSTEM IN VIEW OF PARAMETER ERROR IN COORDINATE TRANSFORMATION. 2007 , 40, 294-299		1
400	TRACKING OF NONHOLONOMIC CHAINED-FORM SYSTEMS WITHOUT PERSISTENT EXCITATION1. 2007 , 40, 515-520		1
399	Experimental validation of an autonomous control system on a mobile robot platform. 2007 , 1, 1621-1629		14
398	Unified nonsingular tracking and stabilization controller design for unicycle-type wheeled mobile robots. 2007 , 21, 711-728		4
397	Finite-time stability of cascaded time-varying systems. <i>International Journal of Control</i> , 2007 , 80, 646-657	1.5	165
396	A Note on Multiple Lyapunov Functions and Stability Condition for Switched and Hybrid Systems. 2007,		3
395	Robust Global Stabilization and Disturbance Rejection of an Underactuated Nonholonomic Airship. 2007,		6
394	An LMI Design of Tracking Controllers for Nonholonomic Chained-Form System. 2007,		10
393	Hybrid Control Strategy for Attitude Stabilization of an Underactuated Spacecraft with Two Moving Mass. 2007,		0
392	Practical stabilization and tracking of a wheeled mobile robot with integral sliding mode controller. 2007,		10

391	Cascaded feedback linearization and its application to stabilization of nonholonomic systems. <i>Systems and Control Letters</i> , 2007 , 56, 285-295	2.4	5
390	Output feedback exponential stabilization of uncertain chained systems. <i>Journal of the Franklin Institute</i> , 2007 , 344, 36-57	4	81
389	Time-varying linear controllers for exponential tracking of non-holonomic systems in chained form. <i>International Journal of Robust and Nonlinear Control</i> , 2007 , 17, 631-647	3.6	35
388	Problems of control and stabilization of impulsive-control dynamic systems with application to nonholonomic mechanics. 2007 , 68, 1444-1458		2
387	Robust Adaptive Control of Nonholonomic Systems with Nonlinear Parameterization. 2007 , 33, 399-403		20
386	Nonlinear formation control of unicycle-type mobile robots. 2007 , 55, 191-204		146
385	Robust stabilization of uncertain nonholonomic systems with strong nonlinear drifts. 2008 , 6, 427-430		3
384	Control of nonholonomic systems with uncertainties via second-order sliding modes. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 515-528	3.6	13
383	Robust discontinuous exponential regulation of dynamic nonholonomic wheeled mobile robots with parameter uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 960-974	3.6	12
382	Semiglobal practical stabilization of nonholonomic wheeled mobile robots with saturated inputs. 2008 , 44, 816-822		38
381	Time Varying Deadbeat Control Of High Order Chained Systems. 2008 , 5, 316-323		3
380	FEEDBACK STABILIZATION OF NONHOLONOMIC CONTROL SYSTEMS USING MODEL DECOMPOSITION. 2008 , 7, 256-265		
379	Motion Control of Wheeled Mobile Robots. 2008 , 799-826		77
378	Modern Sliding Mode Control Theory. <i>Lecture Notes in Control and Information Sciences</i> , 2008 ,	0.5	71
377	Modeling and Analysis of Skidding and Slipping in Wheeled Mobile Robots: Control Design Perspective. 2008 , 24, 676-687		127
376	Cooperative Control of Multiple Nonholonomic Mobile Agents. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1434-1448	5.9	206
375	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008 , 13, 480-484	5.5	69
374	. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 340-347	4.8	76

373	Stabilization of stochastic nonholonomic systems with unknown stochastic disturbances. 2008,	
372	. 2008, 24, 1213-1223	136
371	Stabilization of a class of non-holonomic systems by means of switching control laws. 2008,	2
370	Adaptive second order sliding mode control of uncertain nonholonomic systems. 2008,	
369	Finite-time control of cross-chained nonholonomic systems by switched state feedback. 2008,	5
368	First-state contractive model predictive control of nonholonomic mobile robots. 2008,	23
367	Attitude control of the space robot with two arms of single degree of freedom. 2008,	
366	A switching control of underactuated manipulators by introducing a definition of monotonically decreasing energy. 2008,	
365	Set stabilization of nonholonomic chained form systems. 2008,	
364	Adaptive H ∞ control of nonholonomic mobile robot based on inverse optimality. 2008,	3
363	Adaptive NN stabilization of uncertain nonholonomic mechanical systems. 2008,	
362	A discontinuous control of VTOL aerial robots with four rotors through a chained form transformation. 2008,	1
361	Predictive variable structure control of nonholonomic chained systems. 2008, 85, 949-960	5
360	Hybrid Fuzzy Model-Based Control of Nonholonomic Systems: A Unified Viewpoint. 2008, 16, 85-96	21
359	Dynamic Feedback Tracking Control of Nonholonomic Mobile Robots with Unknown Camera Parameters. 2008, 41, 7943-7948	3
358	Adaptive Trajectory Tracking and Stabilization for Omnidirectional Mobile Robot with Dynamic Effect and Uncertainties. 2008, 41, 5383-5388	15
357	Continuous Time-Varying Pure Feedback Control for Chained Nonholonomic Systems with Exponential Convergent Rate. 2008, 41, 15203-15208	5
356	Finite-Time Tracking Control of a Nonholonomic Mobile Robot. 2008, 41, 12212-12217	3

355	Global Exponential Stabilization of an Underactuated Nonholonomic Airship. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2009 , 45, 99-104	0.1	3
354	Visual servoing of nonholonomic mobile robots based on a new motion estimation technique. 2009 ,		5
353	Cooperative Control of Dynamical Systems. 2009 ,		4
352	Smooth time-varying uniform asymptotic stabilization of underactuated surface vessels. 2009 ,		4
351	Kinematics-based control of underactuated vehicles with four-inputs and six-states by applying invariant manifolds. 2009 ,		2
350	Control of three-link underactuated manipulators by a logic-based switching method. 2009 ,		1
349	Synthesis of output feedback control for motion planning based on LTL specifications. 2009 ,		3
348	Discontinuous Control and Backstepping Method for the Underactuated Control of VTOL Aerial Robots with Four Rotors. 2009 , 83-100		2
347	Adaptive Output Feedback Control of Nonholonomic Systems with Strong Nonlinear Drifts. 2009 ,		
346	Continuous and inverse optimal control designs for chained systems: A global state-scaling transformation and a time-scaling method. 2009 , 30, 1-25		3
345	Neurocontroller with a genetic algorithm for nonholonomic systems: flying robot and four-wheel vehicle examples. <i>Artificial Life and Robotics</i> , 2009 , 13, 464-469	0.6	4
344	Adaptive output feedback stabilization for nonholonomic systems with strong nonlinear drifts. 2009 , 70, 904-920		44
343	Adaptive stabilization of uncertain nonholonomic systems by output feedback. 2009 , 7, 459-463		1
342	Global Exponential Tracking Control of Nonholonomic Systems in Chained-form by Output Feedback. 2009 , 35, 568-576		7
341	Adaptive output feedback asymptotic stabilization of nonholonomic systems with uncertainties. 2009 , 71, 5106-5117		16
340	Global Exponential asymptotic stabilization of underactuated surface vessels. <i>Systems and Control Letters</i> , 2009 , 58, 194-201	2.4	47
339	On discontinuous static output feedback control for linear systems with nonlinear disturbances. <i>Systems and Control Letters</i> , 2009 , 58, 314-319	2.4	7
338	Finite-time tracking control of a nonholonomic mobile robot. 2009 , 11, 344-357		47

337	Stabilization of uncertain chained nonholonomic systems using adaptive output feedback. 2009 , 11, 620-632		3
336	Switching-Driving Lyapunov Function and the Stabilization of the Ball-and-Plate System. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1881-1886	5.9	12
335	Asymptotic perturbed feedback linearisation of underactuated Euler's dynamics. <i>International Journal of Control</i> , 2009 , 82, 1856-1869	1.5	22
334	Adaptive sliding mode control of uncertain nonholonomic systems with unknown control direction. 2009 ,		0
333	Adaptive output feedback control of uncertain nonholonomic systems with strong nonlinear drifts. 2009 ,		
332	FPGA Implementation of an Embedded Robust Adaptive Controller for Autonomous Omnidirectional Mobile Platform. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1604-1616	8.9	58
331	Integral sliding mode control of an extended Heisenberg system. 2009 , 3, 1409-1424		21
330	Adaptive neural network control of nonholonomic systems with unknown virtual control coefficients. 2009 ,		
329	Global Exponential Stabilization of an Underactuated Airship Without Measurement of Velocities and Flight Experiments(Mechanical Systems). 2009 , 75, 1671-1679		
328	Switching Controller Design for Nonholonomic Four-Wheeled Vehicles via Finite-Time Stabilization Method. 2009 , 42, 526-531		
327	Global Exponential Stabilization of Second-Order Nonholonomic Chained Systems : Design of Observer and Stabilizing Controller(Mechanical Systems). 2010 , 76, 875-885		
326	Robust stabilization of a wheeled vehicle: Hybrid feedback control design and experimental validation. 2010 , 24, 513-520		18
325	Robust adaptive neuro-fuzzy control of uncertain nonholonomic systems. 2010 , 8, 125-138		6
324	Adaptive output feedback control for uncertain nonholonomic chained systems. 2010 , 17, 572-579		2
323	Smooth time-varying pure feedback control for chained non-holonomic systems with exponential convergent rate. 2010 , 4, 1235-1244		14
322	Robust adaptive control for nonholonomic systems with nonlinear parameterization. 2010 , 11, 3242-3250		44
321	Robust stabilization of delayed nonholonomic systems with strong nonlinear drifts. 2010 , 11, 3620-3627		19
320	Backstepping design for global stabilization of switched nonlinear systems in lower triangular form under arbitrary switchings. 2010 , 46, 1819-1823		333

319	Maneuverability and path following control of wheeled mobile robot in the presence of wheel skidding and slipping. 2010 , 27, 127-144		13
318	Dynamic feedback tracking control of non-holonomic mobile robots with unknown camera parameters. 2010 , 32, 155-169		25
317	Adaptive finite-time stabilization of nonholonomic systems with nonlinear parameterization. 2010 ,		
316	Adaptive output feedback control for nonholonomic systems with uncertain chained form. <i>International Journal of Systems Science</i> , 2010 , 41, 1537-1547	2.3	9
315	Dipole-like fields for stabilization of systems with Pfaffian constraints. 2010 ,		8
314	Discontinuous feedback for high-order uncertain systems in power chained form. 2010 ,		
313	Output feedback stabilization of stochastic nonholonomic systems. 2010 ,		
312	Underactuated control for nonholonomic mobile robots by using double integrator model and invariant manifold theory. 2010 ,		11
311	Leader-follower consensus control of a class of nonholonomic systems. 2010 ,		1
310	Circular periodic motion generation for mobile robots using limit cycle systems. 2010 ,		4
309	Finite-time controller design for nonholonomic mobile robot using the heisenberg form. 2010 ,		3
308	Robust control of an uncertain underactuated airship with asymptotic rejection against wind disturbance. 2010 ,		6
307	Global uniform asymptotical stability of a class of nonlinear cascaded systems with application to a nonholonomic wheeled mobile robot. <i>International Journal of Systems Science</i> , 2010 , 41, 1301-1312	2.3	16
306	Voronoi based coverage control for nonholonomic mobile robots with collision avoidance. 2010 ,		1
305	Global asymptotic stabilization and tracking of wheeled mobile robots with actuator saturation. 2010 ,		7
304	Finite-time stabilization of high order nonholonomic systems in power chained form. 2011 ,		0
303	Adaptive H _∞ trajectory control of nonholonomic mobile robot with compensation of input uncertainty. 2011 ,		3
302	Saturated Control of Chained Nonholonomic Systems. 2011 , 17, 172-179		10

301	Navigation Function-Based Control of Multiple Wheeled Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 1896-1906	8.9	46
300	Motion-Estimation-Based Visual Servoing of Nonholonomic Mobile Robots. 2011 , 27, 1167-1175		85
299	Local Exponential Regulation of Nonholonomic Systems in Approximate Chained Form with Applications to Off-Axle Tractor-Trailers. 2011 , 2011, 1-8		0
298	Decentralized Coverage Control for Multi-Agent Systems with Nonlinear Dynamics. 2011 , E94-D, 3-10		4
297	High gain adaptive control for a class of uncertain non-holonomic systems. 2011 , 3, 230		1
296	Discrete-time control of chained non-holonomic systems. 2011 , 5, 640-646		4
295	Lie Algebras. 2011 , 221-273		
294	Adaptive stabilization of high order nonholonomic systems with strong nonlinear drifts. 2011 , 35, 4222-4233		26
293	Output-feedback control for nonholonomic systems with linear growth condition. <i>Journal of Systems Science and Complexity</i> , 2011 , 24, 862-874	1	7
292	Robust stabilization for nonholonomic systems with state delay and nonlinear drifts. 2011 , 9, 256-260		3
291	Online adaptive control via evolutionary algorithm. 2011 , 6, S57-S64		1
290	Nonholonomic system control via particle swarm optimization of a neural-aided direct gradient descent control. 2011 , 6, 236-244		
289	Adaptive Stabilization for Uncertain Nonholonomic Dynamic Mobile Robots Based on Visual Servoing Feedback. 2011 , 37, 857-864		28
288	State-feedback stabilization for a class of more general high order stochastic nonholonomic systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011 , 25, 687-706	2.8	34
287	Output feedback control for stochastic nonholonomic systems with growth rate restriction. 2011 , 13, 177-185		23
286	Adaptive exponential regulation of nonlinearly parameterized chained form systems. 2011 ,		
285	Adaptive robust control of nonholonomic systems using a switching approach. 2011 ,		
284	Nonlinear superposition formulas: Some physically motivated examples. 2011 ,		6

283	Control of nonholonomic systems using reference vector fields. 2011,		13
282	Tracking control for uncertain dynamic nonholonomic mobile robots with unknown visual parameters. 2011,		
281	Global λ -exponential trackers for nonholonomic chained-form systems based on LMI. <i>International Journal of Systems Science</i> , 2011 , 42, 1981-1992	2.3	6
280	Finite-Time Stabilization of Stochastic Nonholonomic Systems and Its Application to Mobile Robot. 2012 , 2012, 1-18		6
279	A discussion on the Hölder and robust finite-time partial stabilizability of Brockett's integrator. 2012 , 18, 360-382		12
278	Output feedback stabilization of nonholonomic systems with nonlinear unmeasured dynamics. 2012,		
277	Adaptive tracking control of a class of mechanical systems. 2012,		1
276	Adaptive stabilization for a class of stochastic nonholonomic systems with nonlinear parameterization. 2012,		1
275	Collision-free navigation of wheeled vehicles by gain switching. 2012,		
274	Robust saturated finite-time stabilization for nonholonomic mobile robots based on visual serving feedback. 2012,		1
273	Robust stabilization of nonholonomic systems with time delays. 2012,		
272	Car transportation system grasping two drive wheels. 2012,		3
271	Accurate parking planning of Tractor-Trailer-Trailer mobile robot. 2012,		2
270	Semiglobal Stabilization for Nonholonomic Mobile Robots Based on Dynamic Feedback With Inputs Saturation. 2012 , 134,		9
269	A Target Tracking Approach for Nonholonomic Agents Based on Artificial Potentials and Sliding Mode Control. 2012 , 134,		18
268	Robust Adaptive Trajectory Control of Nonholonomic Mobile Robot with Compensation of Input Uncertainty. 2012 , 6, 273-286		4
267	Passivity based control of a class of Hamiltonian systems with nonholonomic constraints. 2012 , 48, 3054-3063		27
266	Hybrid Potential Field Based Control of Differential Drive Mobile Robots. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2012 , 68, 307-322	2.9	30

265	Stabilization of a Fire Truck Robot by an Invariant Manifold Theory. 2012 , 41, 1095-1104		1
264	Underactuated control for a fire truck-type mobile robot using an invariant manifold theory. 2012 ,		1
263	Control of collision avoidance for swarm robots foraging in complex environment. 2012 ,		0
262	A modified PID algorithm for dynamic control of an automatic wheelchair. 2012 ,		7
261	Switching algorithm for robust configuration control of a wheeled vehicle. 2012 , 20, 315-325		15
260	Adaptive tracking control for uncertain dynamic nonholonomic mobile robots based on visual servoing. 2012 , 10, 56-63		14
259	Adaptive stabilization of a class of high-order uncertain nonholonomic systems with unknown control coefficients. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013 , 27, 368-385	2.8	16
258	Finite-time stabilization of a class for nonlinear systems with dynamic feedback subject to input saturation. 2013 ,		
257	A survey of underactuated mechanical systems. 2013 , 7, 921-935		150
256	A discontinuous exponential stabilization law for an underactuated X4-AUV. <i>Artificial Life and Robotics</i> , 2013 , 17, 463-469	0.6	9
255	Control and stabilization of a third-order nonholonomic system. 2013 ,		1
254	Autonomous Control Systems and Vehicles. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2013 ,	0.6	19
253	Robust Adaptive Finite-Time Stabilization of Nonlinearly Parameterized Nonholonomic Systems. 2013 , 123, 157-173		18
252	Adaptive stabilization of stochastic nonholonomic systems with nonlinear parameterization. 2013 , 219, 8676-8686		23
251	Simultaneous stabilization and trajectory tracking of underactuated mechanical systems with included actuators dynamics. 2013 , 29, 1-19		12
250	Global asymptotic stability controller of uncertain nonholonomic systems. <i>Journal of the Franklin Institute</i> , 2013 , 350, 1248-1263	4	42
249	Adaptive control for velocity control of an electric wheelchair. 2013 ,		4
248	Robust adaptive control of non-holonomic mobile robots with uncertain constraints. 2013 , 5, 317		

247	Adaptive tracking control for dynamic nonholonomic mobile robots with uncalibrated visual parameters. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013 , 27, 688-700	2.8	11
246	Adaptive Stabilization for Nonholonomic Systems with Unknown Time Delays. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-14	1.1	
245	Global Finite-Time Output Feedback Stabilization for a Class of Uncertain Nonholonomic Systems. 2013 , 2013, 1-10		1
244	Further Result on Finite-Time Stabilization of Stochastic Nonholonomic Systems. 2013 , 2013, 1-8		4
243	Practical Stabilization of Uncertain Nonholonomic Mobile Robots Based on Visual Servoing Model with Uncalibrated Camera Parameters. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	3
242	Output Feedback Stabilization of Uncertain Nonholonomic Chained Systems. 2013 , 655-657, 1354-1360		
241	Saturated tracking control for nonholonomic mobile robots with dynamic feedback. 2013 , 35, 105-116		38
240	Adaptive stabilization of stochastic non-holonomic systems with non-homogeneous uncertainties. 2013 , 35, 648-663		11
239	Finite-Time Stabilization of Dynamic Nonholonomic Wheeled Mobile Robots with Parameter Uncertainties. 2013 , 2013, 1-7		
238	Semiglobal saturated practical stabilization for nonholonomic mobile robots with uncertain parameters and angle measurement disturbance. 2013 ,		1
237	Path-generating regulator along a straight passage for two-wheeled mobile robots. 2013 ,		
236	Stabilization of Brockett integrator using Sussmann-type artificial Wiener processes. 2013 ,		5
235	Constructive design method of stochastic continuous feedback laws for stabilization of deterministic nonlinear systems. 2013 ,		2
234	On the nonlinear modeling of systems with higher-order nonholonomic constraints. 2013 ,		
233	Distributed tracking control of networked chained systems. <i>International Journal of Control</i> , 2013 , 86, 2159-2174	1.5	15
232	Controllability and stabilizability of higher-order nonholonomic systems. 2013 ,		1
231	Driving Control of Car-Like Robots by Path-Generating Regulator. 2013 , 79, 1693-1708		3
230	Stochastic Asymptotic Stabilizers for Deterministic Input-Affine Systems Based on Stochastic Control Lyapunov Functions. 2013 , E96.A, 1695-1702		8

229	Output Feedback Adaptive Stabilization of Uncertain Nonholonomic Systems. 2014 , 2014, 1-17		
228	Experimental tests of a sliding mode controller for trajectory tracking of a car-like mobile robot. 2014 , 32, 63-76		8
227	Feedback stabilizer-based trajectory planning of mobile robots with kinematic constraints. 2014 ,		0
226	Cascaded VFO Set-Point Control for N-Trailers With On-Axle Hitching. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1597-1606	4.8	6
225	Robust Practical Stabilization of Nonholonomic Mobile Robots Based on Visual Servoing Feedback with Inputs Saturation. 2014 , 16, 692-702		30
224	Semi-global finite-time output feedback stabilization for a class of uncertain nonholonomic systems. 2014 ,		
223	Global K-exponential stabilization of an underactuated non-symmetric surface vessel by smooth time-varying control. 2014 ,		
222	Output feedback stabilization for stochastic nonholonomic systems with nonlinear drifts and Markovian switching. 2014 , 16, 1679-1692		12
221	Global Stabilization of Nonholonomic Chained Form Systems with Input Delay. 2014 , 2014, 1-6		1
220	Adaptive Output Feedback Stabilization of Nonholonomic Systems with Nonlinear Parameterization. 2014 , 2014, 1-9		1
219	Global finite-time stabilization for a class of extended nonholonomic chained system. 2014 ,		1
218	Quasi-continuous exponential stabilizing controller using single input absorption control by invariant manifold. 2014 ,		
217	Modeling of tire friction force of vehicle considering nonholonomic constraints. 2014 ,		0
216	An error model of chained form with two inputs for a generalized stabilization problem. 2014 ,		
215	Robust stabilization for a class of dynamic feedback uncertain nonholonomic mobile robots with input saturation. 2014 , 12, 1216-1224		60
214	Further results of semiglobal saturated stabilization for nonholonomic mobile robots. 2014 ,		
213	Finite-Time Tracking Control for Nonholonomic Mobile Robots Based on Visual Servoing. 2014 , 16, 679-691		23
212	Continuous and Discontinuous Homogeneous Feedbacks Finite-Time Partially Stabilizing Controllable Multichained Systems. 2014 , 52, 520-544		19

211	Adaptive Stabilization for a Class of Stochastic Nonlinearly Parameterized Nonholonomic Systems with Unknown Control Coefficients. 2014 , 16, 1829-1838		14
210	Simultaneous stabilization and tracking of wheeled mobile robots via chained form. 2014 ,		5
209	Game-Theoretical Persistent Tracking of a Moving Target Using a Unicycle-Type Mobile Vehicle. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6222-6233	8.9	26
208	Trajectory tracking with collision avoidance for nonholonomic vehicles with acceleration constraints and limited sensing. 2014 , 33, 1569-1592		93
207	Robust tracking control of uncertain dynamic nonholonomic systems using recurrent neural networks. 2014 , 142, 216-227		24
206	Adaptive stabilization of stochastic nonholonomic systems with uncertain parameters and time-varying coefficients. 2014 , 47, 5734-5739		
205	Global Finite-Time Stabilization for Nonholonomic Mobile Robots Based on Visual Servoing. 2014 , 11, 180		15
204	Controllers based on an invariant manifold approach for stabilizing a nonholonomic mobile robot. 2014 ,		
203	Testing PID and MPC Performance for Mobile Robot Local Path-Following. 2015 , 12, 155		10
202	Global Finite-Time Partial Stabilization for a Class of Nonholonomic Mobile Robots Subject to Input Saturation. 2015 , 12, 159		16
201	Posture regulation for unicycle-like robots with prescribed performance guarantees. 2015 , 9, 192-202		7
200	Invariant manifold-based stabilizing controllers for nonholonomic mobile robots. <i>Artificial Life and Robotics</i> , 2015 , 20, 276-284	0.6	2
199	Orientation tracking control of mobile robot with three trailers. 2015 ,		1
198	Model Predictive Control of Nonholonomic Chained Systems Using General Projection Neural Networks Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 1313-1327	7.3	111
197	Stabilization of Artstein's circle by continuous stochastic feedback. 2015 ,		
196	Nonlinear control for first-order nonholonomic system with hardware restriction and disturbance. 2015 ,		4
195	Position control of two-wheeled mobile robot via semiconcave function backstepping. 2015 ,		3
194	Attitude controllability analysis of an underactuated satellite with two reaction wheels and its control. 2015 ,		1

193	Energy shaping for the robust stabilization of a wheeled inverted pendulum. <i>IFAC-PapersOnLine</i> , 2015 , 48, 93-98	0.7	1
192	Control Design for a Class of Nonholonomic Systems Via Reference Vector Fields and Output Regulation. 2015 , 137,		2
191	Simultaneous Stabilization and Tracking of Nonholonomic Mobile Robots: A Lyapunov-Based Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1440-1450	4.8	73
190	Adaptive finite-time stabilization for a class of uncertain high order nonholonomic systems. <i>ISA Transactions</i> , 2015 , 54, 75-82	5.5	36
189	Output consensus for multiple non-holonomic systems under directed communication topology. <i>International Journal of Systems Science</i> , 2015 , 46, 451-463	2.3	12
188	Finite-time state-feedback stabilisation of non-holonomic systems with low-order non-linearities. 2015 , 9, 1553-1560		40
187	Adaptive Control for Simultaneous Stabilization and Tracking of Unicycle Mobile Robots. 2015 , 17, 2277-2288		16
186	Controllability and stabilizability of a class of systems with higher-order nonholonomic constraints. 2015 , 54, 229-234		7
185	Adaptive stabilization for nonholonomic mobile robots with uncertain dynamics and unknown visual parameters. 2015 , 37, 282-288		3
184	An overview of recent progress in high-order nonholonomic chained system control and distributed coordination. 2015 , 2, 64-85		15
183	Control of stochastic unicycle-type robots. 2015 ,		2
182	Motion planning of drifting vehicle with friction model considering nonholonomic constraint. 2015 ,		1
181	Stabilization of high order stochastic nonholonomic systems. 2015 ,		
180	Finite-time stabilization of uncertain nonholonomic systems in feedforward-like form by output feedback. <i>ISA Transactions</i> , 2015 , 59, 125-32	5.5	36
179	Adaptive Image-Based Trajectory Tracking Control of Wheeled Mobile Robots With an Uncalibrated Fixed Camera. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2266-2282	4.8	59
178	Visual servoing of mobile robots for posture stabilization: from theory to experiments. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1-15	3.6	48
177	Global inverse optimal stabilization of stochastic nonholonomic systems. <i>Systems and Control Letters</i> , 2015 , 75, 41-55	2.4	28
176	Global asymptotic stabilisation for switched planar systems. <i>International Journal of Systems Science</i> , 2015 , 46, 908-918	2.3	5

175	Semi-global finite-time stabilization of uncertain nonholonomic systems via output feedback. 2015 , 37, 122-130		15
174	Adaptive Integral Sliding Mode Stabilization of Nonholonomic Drift-Free Systems. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-11	1.1	1
173	A simple autonomous flight control method of quadrotor helicopter using only single Web camera. 2016 ,		1
172	Finite-time stabilization for a class of nonholonomic feedforward systems subject to inputs saturation. <i>ISA Transactions</i> , 2016 , 64, 193-201	5.5	14
171	Simultaneous tracking and stabilization control for differential-drive mobile robots with diamond-shaped input constraints. 2016 ,		1
170	A strict Lyapunov function for non-holonomic systems under persistently-exciting controllers. <i>IFAC-PapersOnLine</i> , 2016 , 49, 217-222	0.7	2
169	Asymptotic Stabilization for a Class of Output-Constrained Nonholonomic Systems. <i>IFAC-PapersOnLine</i> , 2016 , 49, 754-759	0.7	1
168	Receding horizon stabilization of a class of constrained nonholonomic systems. 2016 ,		
167	Exponential stabilization of kinematic nonholonomic systems using adaptive backstepping. 2016 ,		
166	Posture Stabilization of Unicycle Mobile Robot using Finite Time Control Techniques. <i>IFAC-PapersOnLine</i> , 2016 , 49, 379-384	0.7	6
165	A sliding-mode-like design for model-free tracking of nonholonomic mobile robots. 2016 ,		1
164	Proceedings of 2016 Chinese Intelligent Systems Conference. <i>Lecture Notes in Electrical Engineering</i> , 2016 ,	0.2	
163	Global robust stabilization for a class of cascaded nonholonomic systems. 2016 ,		
162	Energy shaping for position and speed control of a wheeled inverted pendulum in reduced space. 2016 , 74, 222-229		14
161	Modeling and Control of Wheeled Mobile Robots. 2016 , 1235-1266		8
160	Speed-Gradient Control of the Brockett Integrator. 2016 , 54, 2116-2131		6
159	Leader-Follower Formation for Nonholonomic Mobile Robots: Discrete-Time Approach. 2016 , 13, 46		6
158	Obstacle Avoidance of Autonomous Ground Vehicle Using Path-generating Regulator. 2016 , 34, 40-47		1

157	Time-varying stabilization of a class of driftless systems satisfying second-order controllability conditions. 2016 ,		4
156	Nonlinear Control of a Robot Manipulator with a Nonholonomic Jerk Constraint. 2016 , 18, 1566-1573		4
155	Stabilization of a tractor-trailer wheeled robot. 2016 , 30, 421-428		20
154	Stabilization by Artificial Wiener Processes. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3574-3579	5.9	5
153	Model Predictive Control of Nonholonomic Mobile Robots Without Stabilizing Constraints and Costs. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1394-1406	4.8	60
152	The Exponential Stabilization of Uncertain Chained Form Systems of Mobile Robots Based on Visual Servoing. <i>Journal of Systems Science and Complexity</i> , 2016 , 29, 315-335	1	1
151	Finite-time stabilization of a general class of nonholonomic dynamic systems via terminal sliding mode. 2016 , 13, 585-595		6
150	Formation Control and Tracking for Co-operative Robots with Non-holonomic Constraints. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016 , 82, 163-174	2.9	23
149	Robust Finite-Time Stabilization of Fractional-Order Extended Nonholonomic Chained Form Systems. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 1-15	0.2	2
148	Saturated finite-time stabilization of uncertain nonholonomic systems in feedforward-like form and its application. <i>Nonlinear Dynamics</i> , 2016 , 84, 1609-1622	5	30
147	Adaptive fuzzy switched control design for uncertain nonholonomic systems with input nonsmooth constraint. <i>International Journal of Systems Science</i> , 2016 , 47, 3436-3446	2.3	9
146	. 2017 , 1, 26-31		9
145	New results on adaptive control for a class of delayed nonholonomic systems. 2017 , 15, 611-618		6
144	Backward orientation tracking control of mobile robot with N trailers. 2017 , 15, 867-874		11
143	A receding horizon stabilization approach to constrained nonholonomic systems in power form. <i>Systems and Control Letters</i> , 2017 , 99, 47-56	2.4	11
142	Time-varying control for exponential stabilisation of the Brockett integrator. 2017 , 11, 1976-1982		1
141	Output feedback control based on extended state observer for nonholonomic systems. 2017 ,		1
140	Orientation-error observer-based tracking control of nonholonomic mobile robots. <i>Nonlinear Dynamics</i> , 2017 , 90, 935-949	5	5

139	Visual Servoing of Nonholonomic Mobile Robots With Uncalibrated Camera-to-Robot Parameters. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 390-400	8.9	59
138	Finite-time output feedback stabilisation of chained-form systems with inputs saturation. <i>International Journal of Control</i> , 2017 , 90, 1466-1477	1.5	13
137	Steering algorithm for nonholonomic mechanical systems using adaptive sliding mode control. 2017 ,		
136	Finite-time stabilization of a class of uncertain nonholonomic systems with output constraint. 2017 ,		
135	Adaptive sliding mode control for a second order nonholonomic planar four-link UMS. 2017 ,		1
134	State regulation of nonholonomic systems with dynamics based on time-state control form. 2017 ,		2
133	Stabilization of nonholonomic system in chained form via super twisting sliding mode control. 2017 ,		
132	Experimental evaluations of robust adaptive trajectory control for two wheel mobile robot. 2017 ,		
131	Motion planning for a knife-edge on the surface of a hyperboloid. 2017 ,		3
130	Receding horizon control with iLQG method considering computational delay and its application to nonholonomic systems. 2017 ,		
129	Stabilization of nonlinear systems by adding state-dependent rough signals. 2017 ,		1
128	Orientation control of a wheeled robot towing a trailer in backward motion. 2017 ,		2
127	Motion Control of an Underactuated Parallel Robot with First Order Nonholonomic Constraint. 2017 ,		3
126	Image-Based Position Control of Mobile Robots With a Completely Unknown Fixed Camera. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3016-3023	5.9	21
125	Partial-state Feedback Stabilization for a Class of Generalized Nonholonomic Systems with ISS Dynamic Uncertainties. 2018 , 16, 79-86		8
124	Continuous higher order sliding mode control for a class of uncertain MIMO nonlinear systems: An ISS approach. 2018 , 41, 1-7		5
123	Feedback Control of a Motorized Skateboard. <i>IEEE Transactions on Automatic Control</i> , 2018 , 1-1	5.9	0
122	Adaptive and sliding mode tracking control for wheeled mobile robots with unknown visual parameters. 2018 , 40, 269-278		9

121	Simultaneous tracking and regulation visual servoing of wheeled mobile robots with uncalibrated extrinsic parameters. <i>International Journal of Systems Science</i> , 2018 , 49, 217-229	2.3	10
120	Under-Actuated Systems: Nonlinear Control Showcase. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 3-14	0.2	
119	A Finite-time Sliding Mode Observer for a Class of Perturbed Nonholonomic Systems. 2018 ,		
118	A Model-Free Design for Tracking Control of Nonholonomic Mobile Robots Under Polar Coordinates. 2018 ,		
117	Rough Linearization By One-Dimensional Rough Paths. <i>IFAC-PapersOnLine</i> , 2018 , 51, 320-325	0.7	0
116	Intelligence evolution for service robot: An ADRC perspective. 2018 , 16, 324-335		10
115	Global Leader-following Control of Multiple Non-holonomic Mobile Robots With Input Saturation. 2018 ,		1
114	Autonomous FourAxis Flight Control of Multi-Copter without using GPS and Compass. 2018 ,		
113	Smooth Super Twisting Sliding Mode Control Based Stabilization for Nonholonomic Mechanical Systems: A Firetruck Example. 2018 ,		
112	Adaptive output feedback control of stochastic nonholonomic systems with nonlinear parameterization. 2018 , 98, 247-255		67
111	Global Formulation and Motion Planning for a Sphere Rolling on a Smooth Surface. 2018 , 16, 2709-2717		2
110	Motion Planning for a Knife-Edge Moving on the Surface of a Torus. 2018 ,		1
109	Finite-time output feedback tracking control for a nonholonomic wheeled mobile robot. <i>Aerospace Science and Technology</i> , 2018 , 78, 574-579	4.9	17
108	Adaptive state feedback stabilization of more general stochastic high-order nonholonomic systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018 , 32, 1222-1242	2.8	3
107	Finite-time stabilisation for a class of output-constrained nonholonomic systems with its application. <i>International Journal of Systems Science</i> , 2018 , 49, 2155-2169	2.3	13
106	Visual servoing of dynamic wheeled mobile robots with anti-interference finite-time controllers. 2018 , 38, 558-567		6
105	. 2018 , 2, 357-362		4
104	Symmetry and motion primitives in model predictive control. 2019 , 31, 455-485		6

103	Two-Step Control using Invariant Manifold on Connected Vehicle Model. 2019 ,			1
102	Practical Formation Tracking Control of Multiple Unicycle Robots. 2019 , 7, 113417-113426			3
101	A kinematic Lyapunov-based controller to posture stabilization of wheeled mobile robots. 2019 , 134, 106319			12
100	Visual Servoing of Nonholonomic Mobile Robots: A Review and a Novel Perspective. 2019 , 7, 134968-134977			4
99	Finite-time posture stabilization of the unicycle mobile robot using only position information: A discrete-time sliding mode approach. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 1990-2006	3.6		4
98	Moving frames for Lie symmetries reduction of nonholonomic systems. 2019 , 230, 2963-2978			3
97	Arbitrary point-to-point stabilization control in specified finite time for wheeled mobile robots based on dynamic model. <i>Nonlinear Dynamics</i> , 2019 , 97, 937-954	5		7
96	A General Monocular Visual Servoing Structure for Mobile Robots in Natural Scene Using SLAM. 2019 , 465-476			2
95	Robust Stabilization of Extended Nonholonomic Chained-Form Systems with Dynamic Nonlinear Uncertain Terms by Using Active Disturbance Rejection Control. 2019 , 2019, 1-12			3
94	Distributed adaptive control for multiple nonholonomic systems with nonlinearly parameterized uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 747-766	2.8		4
93	Modeling and control of uncertain multibody wheeled robots. 2019 , 46, 257-279			11
92	Path following algorithm for skid-steering mobile robot based on adaptive discontinuous posture control. 2019 , 33, 439-453			3
91	Sliding mode fault tolerant control for a class of nonholonomic systems and its aerospace application. 2019 ,			0
90	Asymptotic Stability of Uncertain Lagrangian Systems with Prescribed Transient Response. 2019 ,			1
89	Regulation of nonholonomic systems: A smooth, time-invariant approach. <i>IFAC-PapersOnLine</i> , 2019 , 52, 150-155	0.7		
88	Fixed-Time Stabilization for a Class of Nonholonomic Systems With State Constraints. 2019 ,			3
87	Full-State Regulation Control of Asymmetric Underactuated Surface Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8741-8750	8.9		52
86	Finite-time robust control of a class of nonlinear time-delay systems via Lyapunov functional method. <i>Journal of the Franklin Institute</i> , 2019 , 356, 1155-1176	4		12

85	Discontinuous Stabilizing Control of Skid-Steering Mobile Robot (SSMR). <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019 , 95, 253-266	2.9	3
84	Practical Regulation of Nonholonomic Systems Using Virtual Trajectories and LaSalle Invariance Principle. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 1833-1839	7.3	1
83	Event-Based Tracking Control of Mobile Robot With Denial-of-Service Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3300-3310	7.3	32
82	Distributed adaptive consensus control for high-order multiple non-holonomic systems. <i>International Journal of Control</i> , 2020 , 93, 2212-2227	1.5	1
81	A unique robust controller for tracking and stabilisation of non-holonomic vehicles. <i>International Journal of Control</i> , 2020 , 93, 2302-2313	1.5	4
80	Online Trajectory Planning and Collision Avoidance for a Group of Robots Using Distributed Model Predictive Control. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 240-249	0.4	1
79	Output feedback control for nonholonomic systems with non-vanishing disturbances. <i>International Journal of Control</i> , 2020 , 93, 2480-2489	1.5	5
78	Continuous State Feedback Control Based on Intelligent Optimization for First-Order Nonholonomic Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2534-2540	7.3	10
77	Adaptive trajectory tracking of wheeled mobile robot based on fixed-time convergence with uncalibrated camera parameters. <i>ISA Transactions</i> , 2020 , 99, 1-8	5.5	16
76	A time-varying high-gain approach to feedback regulation of uncertain time-varying nonholonomic systems. <i>ISA Transactions</i> , 2020 , 98, 110-122	5.5	9
75	Global robust stabilization for nonholonomic systems with dynamic uncertainties. <i>Journal of the Franklin Institute</i> , 2020 , 357, 1357-1377	4	6
74	Constructing a control system using a time-varying control form for a fish-type balloon robot. <i>Artificial Life and Robotics</i> , 2020 , 25, 316-321	0.6	1
73	Fixed-Time Stabilization for a Class of Time-Varying Constrained Nonholonomic Systems. 2020 ,		
72	Control Based on Linear Algebra for Trajectory Tracking and Positioning of Second-Order Chained Form System. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-8	1.1	
71	Event-based tracking control for nonholonomic mobile robots. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020 , 38, 100945	4.5	1
70	Robustification of nonlinear control systems vis-à-vis actuator dynamics: An immersion and invariance approach. <i>Systems and Control Letters</i> , 2020 , 146, 104811	2.4	0
69	Smooth, time-invariant regulation of nonholonomic systems via energy pumping-and-damping. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 6399-6413	3.6	5
68	Adaptive practical leader-following formation control of multiple nonholonomic wheeled mobile robots. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 7216-7237	3.6	4

67	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12725-12733	6.8	3
66	Targeting Posture Control With Dynamic Obstacle Avoidance of Constrained Uncertain Wheeled Mobile Robots Including Unknown Skidding and Slipping. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10	7.3	8
65	Output feedback stabilization of uncertain nonholonomic systems with external disturbances via active disturbance rejection control. <i>ISA Transactions</i> , 2020 , 104, 245-254	5.5	12
64	Nonlinear mapping-based fixed-time stabilization of uncertain nonholonomic systems with time-varying state constraints. <i>Journal of the Franklin Institute</i> , 2020 , 357, 6653-6670	4	12
63	Function Approximation Technique Based Control for a Class of Nonholonomic Systems. 2020 ,		3
62	Adaptive global stabilization of chained-form systems with multiple disturbance and strong nonlinear drifts. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020 , 34, 662-676	2.8	3
61	Output feedback stabilization for nonholonomic systems with unknown unmeasured states-dependent growth. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1788-1801	3.6	3
60	Barrier Lyapunov functions-based fixed-time stabilization of nonholonomic systems with unmatched uncertainties and time-varying output constraints. <i>Nonlinear Dynamics</i> , 2020 , 99, 2835-2849 ⁵		16
59	Systematic Design of Robust Event-Triggered State and Output Feedback Controllers for Uncertain Nonholonomic Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 213-228	5.9	5
58	Output feedback stabilization via nonlinear mapping for time-varying constrained nonholonomic systems in prescribed finite time. <i>Information Sciences</i> , 2021 , 550, 297-312	7.7	5
57	Output feedback stabilization within prescribed finite time of asymmetric time-varying constrained nonholonomic systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 427-446	3.6	9
56	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 26, 990-1001	5.5	11
55	Adaptive output feedback stabilising control of uncertain chained-form non-holonomic systems. <i>International Journal of Control</i> , 1-14	1.5	
54	Leader-follower formation stabilization and tracking control for heterogeneous planar underactuated vehicle networks. <i>Systems and Control Letters</i> , 2021 , 156, 105008	2.4	3
53	A switching-based state-scaling design for prescribed-time stabilization of nonholonomic systems with actuator dead-zones. <i>Aerospace Science and Technology</i> , 2021 , 118, 106986	4.9	1
52	On Inf-Convolution-Based Robust Practical Stabilization Under Computational Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
51	Encyclopedia of Complexity and Systems Science. 2009 , 6271-6285		3
50	Switching-Based Lyapunov Function and the Stabilization of a Class of Non-holonomic Systems. 2007 , 664-667		1

49	Stabilization of Nonholonomic Uncertain Systems Via Adaptive Second Order Sliding Mode Control. 2008 , 223-245		1
48	Controlling Underactuated Mechanical Systems: A Review and Open Problems. <i>Lecture Notes in Control and Information Sciences</i> , 2010 , 77-88	0.5	16
47	Adaptive Tracking Controller Based on the PID for Mobile Robot Path Tracking. <i>Lecture Notes in Computer Science</i> , 2013 , 540-549	0.9	4
46	Modeling and Control of Wheeled Mobile Robots: From Kinematics to Dynamics with Slipping and Skidding. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2013 , 195-209	0.6	2
45	Contractive Model Predictive Control with Local Linearization for Nonlinear Systems. 1998 , 403-431		6
44	Robust stabilization of a class of nonholonomic systems using logical switching and integral sliding mode control. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1591-1596	6.1	7
43	A Simple Autonomous Flight Control of Multicopter Using Only Web Camera. <i>Journal of Robotics and Mechatronics</i> , 2016 , 28, 286-294	0.7	6
42	New Results in Stabilization of Uncertain Nonholonomic Systems: A Self-Triggered Control Approach. 2021 ,		1
41	New Results in Stabilization of Uncertain Nonholonomic Systems: An Event-Triggered Control Approach. <i>Journal of Systems Science and Complexity</i> , 2021 , 34, 1953-1972	1	0
40	Time Varying Deadbeat Control of High Order Chained Systems with Applications to the Control of Underactuated Manipulators. 2003 , 245-262		
39	On Some Low-Cost Tracking Controllers for Mobile Robots. <i>Control and Intelligent Systems</i> , 2005 , 33,		0
38	Trajectory Planning with Control Horizon Based on Narrow Local Occupancy Grid Perception. <i>Lecture Notes in Control and Information Sciences</i> , 2007 , 99-106	0.5	0
37	Switched Feedback Control of Higher-order Nonholonomic Systems with Multi-generators. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , 2009 , 22, 280-286	0.1	
36	Adaptive Control of Two-wheeled Nonholonomic Mobile Robot Systems. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2009 , 45, 105-112	0.1	
35	Nonsmooth Stabilizer for Three Link Nonholonomic Manipulator Using Polar-like Coordinate Representation. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 35-44	0.5	1
34	Sampled-data Control of Two-wheeled Nonholonomic Mobile Robot Systems. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2010 , 46, 209-218	0.1	
33	Global Exponential Stabilization of Nonholonomic Systems in High-order Chained Form. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2010 , 46, 199-208	0.1	
32	Adaptive Tracking Control of an Uncertain Nonholonomic Robot. <i>Intelligent Control and Automation</i> , 2011 , 02, 396-404	0.6	1

31	Path Following Control of Mobile Robot Using Lyapunov Techniques and PID Controller. <i>International Journal of Fuzzy Logic and Intelligent Systems</i> , 2011 , 11, 49-53	1.8	1
30	Stabilization of Multi-steering Tractor-trailer Mobile Robot. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2011 , 37, 471-479		3
29	Mathematics of Complexity and Dynamical Systems. 2012 , 1137-1151		
28	A Vehicle Maneuver by Using Two Mobile Robots Grasping Single Wheel. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2012 , 48, 373-382	0.1	
27	A Comparison Study of Discontinuous Control Algorithms for a Three-Link Nonholonomic Manipulator. <i>Lecture Notes in Control and Information Sciences</i> , 2012 , 377-389	0.5	0
26	Adaptive High Gain Feedback Control of Nonholonomic Systems with Uncertain Control Coefficients. <i>SICE Journal of Control Measurement and System Integration</i> , 2012 , 5, 319-325	0.3	
25	Introduction. 2013 , 1-11		
24	Local Path-Tracking Strategies for Mobile Robots Using PID Controllers. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2013 , 58-79	0.4	
23	Achieving Stability in Non-holonomic Systems by Means of Switched Control Laws. 97-115		1
22	Bibliography. <i>Automation and Control Engineering</i> , 2013 ,		
21	A Visual Feedback Model-Free Design for Robust Tracking of Nonholonomic Mobile Robots. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 607-618	0.2	
20	Comparative Study of Stabilization Controls of a Forklift Vehicle. <i>Acta Mechanica Et Automatica</i> , 2019 , 13, 181-188	0.7	1
19	Stabilizing a Class of Switched Nonholonomic Mechanical Systems. 2020 , 7, 8-20		
18	Distributed IDA-PBC for a Class of Nonholonomic Mechanical Systems. <i>IFAC-PapersOnLine</i> , 2021 , 54, 275-280		1
17	Global Asymptotic Stabilizing Control of Nonholonomic Systems With Dynamic Uncertainty. 2020 ,		
16	Design of a Disturbance Rejection Controller for a Class of Nonholonomic Systems with Uncertainties. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-15	1.1	
15	Fault Tolerant Control for a Class of Multiple Nonholonomic Systems. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 2109-2118	0.2	
14	Formation Regulation and Tracking Control for Nonholonomic Mobile Robot Networks Using Polar Coordinates. 2022 , 6, 1909-1914		

13	A time-scale transformation approach to prescribed-time stabilisation of non-holonomic systems with inputs quantisation. <i>International Journal of Systems Science</i> , 1-13	2.3	
12	Sampled-Data Integral Control of Nonholonomic Systems with Unknown Constant Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022 , 1-1	3.5	1
11	Fixed-Time Fractional-Order Global Sliding Mode Control for Nonholonomic Mobile Robot Systems under External Disturbances. <i>Fractal and Fractional</i> , 2022 , 6, 177	3	2
10	Mobile Robot Navigation using State-Constrained Sliding Mode Control. 2021 ,		
9	Opposite Treatment on Null Space: A Unified Control Framework for a Class of Underactuated Robotic Systems With Null Space Avoidance. <i>IEEE Transactions on Control Systems Technology</i> , 2022 , 1-15 ^{4.8}		
8	Necessary conditions for feedback stabilization and safety. <i>Journal of Geometric Mechanics</i> , 2022 ,	1.5	2
7	Prescribed-time control of high-order nonholonomic systems in chained form by time-varying feedback. <i>Systems and Control Letters</i> , 2022 , 166, 105307	2.4	
6	Event-based tracking of nonholonomic systems in chained form. 2022 ,		o
5	Prescribed-Time Stabilization of Uncertain Nonholonomic Systems via Non-Scaling-Transformation Design. 2022 ,		o
4	Sampled-Data Steering of Unicycles via PBC. 2023 , 7, 757-762		o
3	Control Design of Strict-Feedback Nonholonomic Systems. 2023 , 127-153		o
2	Time Varying control design for small-time stabilization of Brockett's integrator. 2022 ,		o
1	Event-triggered tracking control for a class of nonholonomic systems in chained form. 2023 , 66,		o