

CITATION REPORT

List of articles citing

Barrier Lyapunov Functions for the control of output-constrained nonlinear systems

DOI: 10.1016/j.automatica.2008.11.017
Automatica, 2009, 45, 918-927.

Source: <https://exaly.com/paper-pdf/46520553/citation-report.pdf>

Version: 2024-04-25

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
1736	Adaptive control for parametric output feedback systems with output constraint. 2009,		5
1735	Control of nonlinear systems with time-varying output constraints. 2009,		14
1734	Control of nonlinear systems with full state constraint using a Barrier Lyapunov Function. 2009,		46
1733	Output-feedback adaptive control of electrostatic microactuators. 2009,		3
1732	Adaptive tracking control of uncertain robotic manipulators in a constrained task space. 2009,		1
1731	Robust and nonlinear control literature survey (No. 13). 2009, 19, 1401-1404		
1730	Configuration control of a forklift vehicle using vision system with limited angle of view. 2010,		
1729	Input constrained non-equilibrium transient trajectory shaping control for a class of nonlinear systems. 2010,		2
1728	Robust Constraint Satisfaction for Continuous-Time Nonlinear Systems in Strict Feedback Form. 2010, 55, 2597-2601		41
1727	Marginalized neural network mixtures for large-scale regression. 2010, 21, 1345-51		7
1726	Non-equilibrium transient trajectory shaping control via multiple Barrier Lyapunov Functions for a class of nonlinear systems. 2010,		
1725	Transfer Equivalence and Realization of Nonlinear Input-Output Delta-Differential Equations on Homogeneous Time Scales. 2010, 55, 2601-2606		15
1724	Control of nonlinear systems with output tracking error constraints and its application to magnetic bearings. 2010, 83, 1199-1216		72
1723	Adaptive admittance control of a robot manipulator under task space constraint. 2010,		1
1722	Robust adaptive motion control for Remotely Operated Vehicles with velocity constraints. 2010,		1
1721	Adaptive neural control for output feedback nonlinear systems using a barrier Lyapunov function. 2010, 21, 1339-45		598
1720	Non-equilibrium transient trajectory shaping control via a three-stage switching method for a class of nonlinear systems. 2010,		2

1719	Fuel-assisted in-cylinder oxygen fraction transient trajectory shaping control for diesel engine combustion mode switching. 2011,		
1718	Relative formation control of mobile agents for gradient climbing and target capturing. 2011, 84, 1098-1114	7	
1717	Control of Coupled Vessel, Crane, Cable, and Payload Dynamics for Subsea Installation Operations. 2011, 19, 208-220		27
1716	Incorporating Risk into Control Design for Emergency Operation of Turbo-Fan Engines. 2011,		7
1715	Control of nonlinear systems with partial state constraints using a barrier Lyapunov function. 2011, 84, 2008-2023		266
1714	Tracking Control of Nonlinear Systems with Box-Constrained States. 2011, 44, 6715-6720		
1713	On State-Constrained Control of a CSTR*. 2011, 44, 6079-6084		4
1712	Control of nonlinear systems with time-varying output constraints. <i>Automatica</i> , 2011, 47, 2511-2516	5.7	546
1711	Semi-Global Adaptive Control Using Barrier Lyapunov Functions for a Class of Uncertain Nonlinear Systems. 2012, 190-191, 1053-1056		
1710	Tracking control of an electrostatic torsional micromirror beyond the pull-in limit with enhanced performance. 2012,		0
1709	Lyapunov learning algorithm for Quasi-ARX neural network to identification of nonlinear dynamical system. 2012,		17
1708	Adaptive control of state constrained nonlinear systems in strict feedback form. 2012,		2
1707	Controller design for a class of nonlinear systems with state and input bounds. 2012,		
1706	A new Saturation function to convert an output constraint into an input constraint. 2012,		10
1705	Control of state-constrained nonlinear systems using Integral Barrier Lyapunov Functionals. 2012,		86
1704	NN-based asymptotic tracking control for a class of strict-feedback uncertain nonlinear systems with output constraints. 2012,		17
1703	Tracking Control for Switched Nonlinear Systems Subject to Time-Varying Output Constraints. 2012		1
1702	Dynamic surface control for a class of state-constrained non-linear systems with uncertain time delays. 2012, 6, 1948-1957		40

1701	Adaptive control for robot manipulators under ellipsoidal task space constraints. 2012 ,		4
1700	Multivariable constrained process control via Lyapunov R-functions. 2012 , 22, 1762-1772		7
1699	Command switching strategy based safety protection control for aeroengines. 2012 ,		2
1698	Adaptive fuzzy backstepping dynamic surface control for output-constrained non-smooth nonlinear dynamic system. 2012 , 10, 684-696		54
1697	Robust adaptive motion control for underwater remotely operated vehicles with velocity constraints. 2012 , 10, 421-429		45
1696	Robust adaptive control of a one degree of freedom electrostatic microelectromechanical systems model with output-error-constrained tracking. 2012 , 6, 111		12
1695	Input constrained non-equilibrium transient trajectory shaping via a three-stage control method for a class of non-linear systems. 2012 , 6, 375		3
1694	Adversarial Ground Target Tracking Using UAVs with Input Constraints. 2012 , 65, 521-532		17
1693	Adaptive Neural Network Control for a DC Motor System with Dead-Zone. 2013 , 72, 141-147		44
1692	Iterative learning control for output-constrained systems with both parametric and nonparametric uncertainties. <i>Automatica</i> , 2013 , 49, 2508-2516	5-7	153
1691	Barrier Lyapunov functions for the output tracking control of constrained nonlinear switched systems. 2013 , 62, 963-971		232
1690	Tracking control for output-constrained nonlinear switched systems with a barrier Lyapunov function. 2013 , 44, 978-985		122
1689	State-Constrained Iterative Learning Control for a Class Of MIMO Systems. 2013 , 58, 1322-1327		81
1688	Keeping a ground point in the camera field of view of a landing UAV. 2013 ,		18
1687	Adaptive control of 5 DOF upper-limb exoskeleton robot with improved safety. 2013 , 52, 844-52		42
1686	A generalized indirect adaptive neural networks backstepping control procedure for a class of non-affine nonlinear systems with pure-feedback prototype. 2013 , 121, 131-139		25
1685	Output tracking control for a class of switched non-linear systems with partial state constraints. 2013 , 7, 623-631		36
1684	Barrier Lyapunov Function-Based Sliding Mode Control for Guaranteed Tracking Performance of Robot Manipulator. 2013 , 2013, 1-9		7

1683	Improved prescribed performance constraint control for a strict feedback non-linear dynamic system. 2013 , 7, 1818-1827	60
1682	Approximation-based Control of an Uncertain Robot with Output Constraints. 2013 , 46, 51-56	1
1681	Adaptive Region Tracking Control for Multi-Ships Coordination. 2013 , 46, 39-44	
1680	Adaptive Neural Network Control of a Vessel with Output Constraints Using the Asymmetric Barrier Lyapunov Function. 2013 , 46, 246-251	4
1679	Energy-based Nonlinear Control of Ship Roll Gyro-stabiliser with Precession Angle Constraints. 2013 , 46, 328-333	5
1678	Tangent Barrier Lyapunov Functions for the Control of Output-Constrained Nonlinear Systems. 2013 , 46, 449-455	62
1677	Partial Tracking Error Constrained Fuzzy Dynamic Surface Control for a Strict Feedback Nonlinear Dynamic System. 2014 , 22, 1049-1061	75
1676	Control of output-constrained nonlinear switched systems with p-times differentiable unbounded function. 2014 ,	
1675	Nonlinear state-constrained control. Application to the dynamic positioning of ships. 2014 ,	4
1674	Adaptive boundary control for a class of inhomogeneous Timoshenko beam equations with constraints. 2014 , 8, 1285-1292	18
1673	Adaptive tracking control for a class of constrained nonlinear systems with uncertainty. 2014 ,	
1672	Diffeomorphism-based control of nonlinear systems subject to state constraints with actual applications. 2014 ,	10
1671	Shared-control for the kinematic model of a mobile robot. 2014 ,	6
1670	. 2014 ,	222
1669	Uniting Control Lyapunov and Control Barrier Functions. 2014 ,	27
1668	Adaptive neural dynamic surface control for a missile with input and output constraints. 2014 ,	1
1667	Chaos RBF dynamics surface control of brushless DC motor with time delay based on tangent barrier Lyapunov function. 2014 , 78, 1193-1204	30
1666	Output-feedback shared-control for fully actuated linear mechanical systems. 2014 ,	2

1665	Stabilization of a class of state-constrained nonlinear switched systems in lower triangular form. 2014,	1
1664	Adaptive trajectory tracking control of output constrained multi-rotors systems. 2014, 8, 1163-1174	130
1663	Approximation-based adaptive control of uncertain non-linear pure-feedback systems with full state constraints. 2014, 8, 2070-2081	76
1662	Nonlinear adaptive backstepping control for synchronous generator excitation system with output constraints. 2014,	1
1661	Dynamics and Control of Mechanical Systems in Offshore Engineering. 2014,	35
1660	Adaptive Fuzzy control of operation space constrained exoskeletons under unmodelled dynamics. 2014,	
1659	Recurrent fuzzy neural network backstepping control for the prescribed output tracking performance of nonlinear dynamic systems. 2014, 53, 33-43	67
1658	Fuzzy Echo State Neural Networks and Funnel Dynamic Surface Control for Prescribed Performance of a Nonlinear Dynamic System. 2014, 61, 1099-1112	141
1657	Adaptive output feedback control for a class of nonlinear systems with full-state constraints. 2014, 87, 281-290	85
1656	Multi-objective control for uncertain nonlinear active suspension systems. 2014, 24, 318-327	118
1655	Adaptive Control of a Flexible Crane System With the Boundary Output Constraint. 2014, 61, 4126-4133	349
1654	Stabilization of state-constrained switched nonlinear systems in p-normal form. 2014, 24, 1550-1562	30
1653	Constrained robust output regulation for a class of nonlinear systems with unknown control direction. 2014,	
1652	Adaptive Neural Network Control of a Fully Actuated Marine Surface Vessel With Multiple Output Constraints. 2014, 22, 1536-1543	149
1651	Output-Tracking-Error-Constrained Robust Positioning Control for a Nonsmooth Nonlinear Dynamic System. 2014, 61, 6882-6891	35
1650	Barrier Lyapunov Based Control of dual-arm exoskeleton robots performing asymmetric bimanual tasks. 2014,	1
1649	Backstepping control for output-constrained nonlinear systems based on nonlinear mapping. 2014, 25, 1665-1674	58
1648	Adaptive fuzzy output-feedback control for output constrained nonlinear systems in the presence of input saturation. 2014, 248, 138-155	186

1647	Indirect adaptive fuzzy control for input and output constrained nonlinear systems using a barrier Lyapunov function. 2014 , 28, 184-199	70
1646	Adaptive Neural Network Control of Uncertain State-Constrained Nonlinear Systems. 2014 , 47, 2279-2284	15
1645	Adaptive neural region tracking control of multi-fully actuated ocean surface vessels. 2014 , 1, 77-83	14
1644	Adaptive backstepping motion control of hydraulic actuators with velocity and acceleration constraints. 2014 ,	1
1643	Adaptive neural network control for pure-feedback nonlinear time delay systems with triangular control structure. 2014 ,	
1642	Control Barrier Certificates for Safe Swarm Behavior. 2015 , 48, 68-73	77
1641	Chattering-free sliding mode control for MIMO nonlinear manipulator systems based on adaptive neural networks. 2015 ,	1
1640	Stabilization for nonlinear systems with output constraints by adding a power integrator approach. 2015 ,	
1639	Constrained Control for Brushless DC Motors With Fractional Friction Compensation. 2015 ,	1
1638	Passivity-Based Control with Guaranteed Safety via Interconnection and Damping Assignment. 2015 , 48, 74-79	4
1637	Adaptive fault-tolerant control for a class of output-constrained nonlinear systems. 2015 , 25, 3732-3745	50
1636	Comparative study of BLF and QLF based backstepping controllers for active suspension system. 2015 ,	3
1635	Constraint adaptive output regulation of output feedback systems with application to electrostatic torsional micromirror. 2015 , 25, 504-520	10
1634	Nonlinear control for uncertain nonlinear systems with unknown control directions using less or no parameter estimates. 2015 , 29, 741-764	6
1633	Coordinated Switching Control of the Excitation and Steam Valve System Based on State and Input Constraints. 2015 , 2015, 1-12	
1632	Decentralized Control for Large-Scale Interconnected Nonlinear Systems Based on Barrier Lyapunov Function. 2015 , 2015, 1-6	4
1631	Asymmetric Barrier Lyapunov Function-Based Wheel Slip Control for Antilock Braking System. 2015 , 2015, 1-10	7
1630	An Optimization-Based Impedance Approach for Robot Force Regulation with Prescribed Force Limits. 2015 , 2015, 1-13	3

1629	Designing Backstepping Control System for Hypersonic Vehicle Based on Feedback Linearization. 2015 , 2015, 1-11	3
1628	Decentralized neural network control for guaranteed tracking error constraint of a robot manipulator. 2015 , 13, 906-915	15
1627	Performance Oriented Adaptive Architectures with Guaranteed Bounds. 2015 ,	1
1626	Optimal control of an inflammatory immune response model. 2015 ,	3
1625	Revived Transformation for nonlinear systems subject to state constraints. 2015 ,	8
1624	Explicit reference governor for continuous time nonlinear systems subject to convex constraints. 2015 ,	17
1623	Stabilization of an inhomogeneous heat equation subject to constraint. 2015 ,	1
1622	Robust stabilization for a class of high-order nonlinear lower-triangular systems with state constraints. 2015 ,	
1621	A Novel Approach for Active Adhesion Control of High-Speed Trains Under Antiskid Constraints. 2015 , 16, 3213-3222	30
1620	Adaptive NN control for uncertain pure-feedback nonlinear systems with state constraints subject to unknown disturbances. 2015 ,	3
1619	State-constrained robust stabilisation for a class of high-order switched non-linear systems. 2015 , 9, 1901-1908	29
1618	Approximation-based adaptive tracking control of nonlinear pure-feedback systems with time-varying output constraints. 2015 , 13, 257-265	34
1617	Vibration Control of a Flexible String With Both Boundary Input and Output Constraints. 2015 , 23, 1245-1254	57
1616	Vibration Control of a Flexible Beam With Output Constraint. 2015 , 62, 5023-5030	233
1615	Adaptive control of nonlinear pure-feedback systems with output constraints: Integral barrier Lyapunov functional approach. 2015 , 13, 249-256	47
1614	Adaptive fuzzy output feedback tracking control with prescribed performance for chemical reactor of MIMO nonlinear systems. 2015 , 80, 945-957	19
1613	Globally Stable Adaptive Backstepping Neural Network Control for Uncertain Strict-Feedback Systems With Tracking Accuracy Known a Priori. 2015 , 26, 1842-54	140
1612	UPFCs control design for avoiding generator trip of electric power grid with barrier function. 2015 , 68, 150-158	5

1611	Adaptive Fuzzy Tracking Control of Nonlinear Time-Delay Systems With Dead-Zone Output Mechanism Based on a Novel Smooth Model. 2015 , 23, 1998-2011	97
1610	. 2015 , 62, 5208-5217	27
1609	Neural network control-based adaptive design for a class of DC motor systems with the full state constraints. 2015 , 168, 65-69	23
1608	Backstepping dynamic surface control for an anti-skid braking system. 2015 , 42, 140-152	41
1607	Adaptive neural network control of unknown nonlinear affine systems with input deadzone and output constraint. 2015 , 58, 96-104	38
1606	Adaptive Jacobian force/position tracking for space free-flying robots with prescribed transient performance. 2015 , 72, 235-247	9
1605	Adaptive neural network control for a two continuously stirred tank reactor with output constraints. 2015 , 167, 451-458	6
1604	Fuzzy Adaptive Output Feedback Control of MIMO Nonlinear Systems With Partial Tracking Errors Constrained. 2015 , 23, 729-742	388
1603	Adaptive Neural Output Feedback Control of Output-Constrained Nonlinear Systems With Unknown Output Nonlinearity. 2015 , 26, 1789-802	98
1602	Backstepping dynamic surface control for a class of non-linear systems with time-varying output constraints. 2015 , 9, 2312-2319	57
1601	State feedback control for TCP congestion with actuator saturation and input time delay. 2015 ,	
1600	Tracking error constrained adaptive dynamic surface control for a class of uncertain nonlinear systems. 2015 ,	
1599	Adaptive robust control of DC motors with time-varying output constraints. 2015 ,	1
1598	Neural adaptive control for robots with uncertainties in manipulator dynamics and actuator dynamics under constrained task space. 2015 ,	3
1597	A class of non-affine nonlinear systems adaptive neural networks backstepping control with pure-feedback prototype. 2015 ,	
1596	Reliable Sliding Mode Approaches for the Temperature Control of Solid Oxide Fuel Cells with Input and Input Rate Constraints. 2015 , 48, 390-395	5
1595	Safety-critical and constrained geometric control synthesis using control Lyapunov and control Barrier functions for systems evolving on manifolds. 2015 ,	19
1594	Prescribed performance fuzzy backstepping control for nonlinear large-scale systems. 2015 , 13, 1508-1520	11

1593	Control of nonlinear systems with full state constraints using integral Barrier Lyapunov Functionals. 2015,	5
1592	Control barrier function based quadratic programs with application to bipedal robotic walking. 2015,	54
1591	State Constraint Controller Design for Turbine Main Steam Valve Based on Modified Adaptive Backstepping Method. 2015,	
1590	Adaptive cruise control: Experimental validation of advanced controllers on scale-model cars. 2015,	19
1589	Modeling and Vibration Control for a Nonlinear Moving String With Output Constraint. 2015, 20, 1886-1897	92
1588	Adaptive fault tolerant control for a class of MIMO nonlinear systems with input and state constraints. 2015,	3
1587	Finite-time stabilization of a class of output-constrained nonlinear systems. 2015, 352, 5968-5984	20
1586	Tracking and (\varvec{H}_∞) control of constrained nonlinear switched systems in strict feedback form. 2015, 80, 87-100	7
1585	Adaptive neural control of nonlinear MIMO systems with time-varying output constraints. 2015, 26, 1074-85	98
1584	Nonlinear adaptive control for multi-machine power systems with boiler-turbine-generator unit. 2015, 25, 859-875	11
1583	Adaptive controller design-based neural networks for output constraint continuous stirred tank reactor. 2015, 153, 159-163	36
1582	Coordinated fuzzy control of robotic arms with actuator nonlinearities and motion constraints. 2015, 296, 1-13	10
1581	Three-Dimensional Constrained Tracking Control Via Exact Differentiation Estimator of a Quadrotor Helicopter. 2015, 17, 1093-1103	8
1580	Iterative learning control for train trajectory tracking under speed constraints with iteration-varying parameter. 2015, 37, 485-493	21
1579	High-Gain Disturbance Observer-Based Backstepping Control With Output Tracking Error Constraint for Electro-Hydraulic Systems. 2015, 23, 787-795	152
1578	Adaptive control design for Arneodo chaotic system with state constraint. 2015, 21, 1968-1975	
1577	Prescribed performance adaptive fuzzy output-feedback dynamic surface control for nonlinear large-scale systems with time delays. 2015, 292, 125-142	119
1576	Adaptive neural stabilization control for unified chaotic systems with full state constraints. 2016, 22, 121-128	1

1575	A Hierarchical Tracking Controller for Quadrotor Without Linear Velocity Measurements. 2016,	0
1574	Adaptive Sliding Mode Control of Generator Excitation System with Output Constraints. 2016, 2016, 1-6	1
1573	Adaptive fuzzy fault tolerant tracking control for a class of uncertain switched nonlinear systems with output constraints. 2016, 353, 2999-3020	27
1572	Adaptive performance-guaranteed control of UPS systems. 2016,	0
1571	Adaptive neural control of nonstrict system with output constraint. 2016,	
1570	Non-repetitive trajectory tracking for joint position constrained robot manipulators using iterative learning control. 2016,	5
1569	Vibration regulation of a flexible hose for aerial refueling system. 2016,	
1568	Control sharing barrier functions with application to constrained control. 2016,	4
1567	Multi-objective compositions for collision-free connectivity maintenance in teams of mobile robots. 2016,	46
1566	On-line joint limit avoidance for torque controlled robots by joint space parametrization. 2016,	5
1565	Exponential Control Barrier Functions for enforcing high relative-degree safety-critical constraints. 2016,	98
1564	Safety-critical control of a planar quadrotor. 2016,	16
1563	Controller design for systems with state constraints. 2016,	
1562	Adaptive control for a class of nonlinear systems with output constraints and actuator faults. 2016,	
1561	Robust Control for State Constrained Uncertain Systems: Attractive Ellipsoid Method Approach. 2016, 49, 19-23	2
1560	Adaptive RBFNN control of robot manipulators with finite-time convergence. 2016,	1
1559	Fuzzy logic control of an uncertain robot with output constraint. 2016,	
1558	Observer based nonlinear control using barrier Lyapunov function for position tracking of Sawyer motor under yaw constraint. 2016,	

1557	Adaptive Fuzzy Tracking Control Design for SISO Uncertain Nonstrict Feedback Nonlinear Systems. 2016 , 24, 1441-1454		316
1556	Attitude tracking control of a 3-DOF helicopter with input and output constraints. 2016 ,		1
1555	Barriers and potentially safe sets in hybrid systems: Pendulum with non-rigid cable. <i>Automatica</i> , 2016 , 73, 248-255	5:7	6
1554	RBF neural network based dynamic surface control for anti-skid braking system using barrier Lyapunov theorem. 2016 ,		0
1553	Comparison of various barrier Lyapunov functions for adaptive control of nonlinear systems. 2016 ,		1
1552	Adaptive tracking control of a Duffing oscillator with hard error constraints. 2016 ,		1
1551	Modeling and vibration control of flexible wings with output constraint. 2016 ,		
1550	Stabilisation for a class of high-order non-linear systems with output constraints. 2016 , 10, 2128-2135		28
1549	Adaptive iterative learning control for nonlinear uncertain systems with both state and input constraints. 2016 , 353, 3920-3943		27
1548	Robust adaptive antiswing control of underactuated crane systems with two parallel payloads and rail length constraint. 2016 , 65, 275-283		18
1547	Robust adaptive control of a class of uncertain nonlinear systems with time-varying output constraints. 2016 ,		0
1546	Dynamic surface control for a class of output-constrained nonlinear systems. 2016 ,		
1545	Adaptive neural network tracking control for a class of output-constrained nonlinear switched systems. 2016 ,		1
1544	Nearly optimal sliding mode fault-tolerant control for affine nonlinear systems with state constraints. 2016 , 216, 78-88		15
1543	A robust back-stepping based trajectory tracking controller for the tanker with strict posture constraints under unknown flow perturbations. 2016 , 56, 34-45		33
1542	Barrier Lyapunov function-based model-free constraint position control for mechanical systems. 2016 , 30, 3331-3338		10
1541	Adaptive cooperative output tracking control for input and output constrained multiagent systems with actuator faults. 2016 ,		2
1540	Time-varying output constraint for DC motor control. 2016 ,		

1539	Interval methods for variable-structure control of dynamic systems with state constraints. 2016,	3
1538	Adaptive attitude controller design with bounded tracking error. 2016,	
1537	Adaptive finite-time tracking control for joint position constrained robot manipulators with actuator faults. 2016,	4
1536	Vibration control for a flexible satellite system with output constraints. 2016, 85, 2673-2686	13
1535	Constrained dual-loop attitude control design for spacecraft. 2016, 55, 170-176	11
1534	Adaptive Neural Control of a Class of Output-Constrained Nonaffine Systems. 2016, 46, 85-95	99
1533	Adaptive fault tolerant control for a class of input and state constrained MIMO nonlinear systems. 2016, 26, 286-302	143
1532	Barrier Lyapunov Functions-based adaptive control for a class of nonlinear pure-feedback systems with full state constraints. <i>Automatica</i> , 2016, 64, 70-75	5-7 513
1531	A direct method for power system corrective control to relieve current violation in transient with UPFCs by barrier functions. 2016, 78, 626-636	8
1530	Sliding mode control based impact angle control guidance considering the seeker's field-of-view constraint. 2016, 61, 49-59	33
1529	Robust Adaptive Neural Tracking Control for a Class of Perturbed Uncertain Nonlinear Systems With State Constraints. 2016, 46, 1618-1629	129
1528	Adaptive trajectory tracking control approach for a model-scaled helicopter. 2016, 83, 2171-2181	9
1527	Adaptive backstepping-based fuzzy tracking control scheme for output-constrained nonlinear switched lower triangular systems with time-delays. 2016, 175, 759-767	25
1526	Systematic design of robust controller for electro-hydraulic system with model uncertainties. 2016, 230, 573-582	1
1525	Region tracking control for high-order multi-agent systems in restricted space. 2016, 10, 396-406	8
1524	Simplified filtering-based adaptive fuzzy dynamic surface control approach for non-linear strict-feedback systems. 2016, 10, 493-503	13
1523	Cooperative control of a nonuniform gantry crane with constrained tension. <i>Automatica</i> , 2016, 66, 146-154	416
1522	Adaptive dynamic surface error constrained control for MIMO systems with backlash-like hysteresis via prediction error technique. 2016, 84, 1989-2002	20

1521	State and Output-Feedback Shared-Control for a Class of Linear Constrained Systems. 2016 , 61, 3209-3214		15
1520	Fault tolerant finite-time leader-follower formation control for autonomous surface vessels with LOS range and angle constraints. <i>Automatica</i> , 2016 , 68, 228-236	5-7	247
1519	Stabilization with guaranteed safety using Control Lyapunov Barrier Function. <i>Automatica</i> , 2016 , 66, 39-47	5-7	115
1518	Neural Network Control-Based Adaptive Learning Design for Nonlinear Systems With Full-State Constraints. 2016 , 27, 1562-71		323
1517	Adaptive control of nonlinear systems with full state constraints using Integral Barrier Lyapunov Functionals. 2016 , 186, 90-96		66
1516	Adaptive neural control for an uncertain robotic manipulator with joint space constraints. 2016 , 89, 1428-1446		58
1515	Adaptive fuzzy fault-tolerant control with guaranteed tracking performance for nonlinear strict-feedback systems. 2016 , 302, 82-100		84
1514	Boundary feedback stabilisation of a flexible robotic manipulator with constraint. 2016 , 89, 635-651		13
1513	Neural Network Control of a Robotic Manipulator With Input Deadzone and Output Constraint. 2016 , 46, 759-770		230
1512	Adaptive Fuzzy Tracking Control of Nonlinear Systems With Asymmetric Actuator Backlash Based on a New Smooth Inverse. 2016 , 46, 1250-62		60
1511	Explicit Reference Governor for Constrained Nonlinear Systems. 2016 , 61, 1379-1384		52
1510	Distributed control of a class of flexible mechanical systems with global constraint. 2016 , 89, 128-139		13
1509	Impact time control guidance with field-of-view constraint accounting for uncertain system lag. 2016 , 230, 515-529		27
1508	Adaptive Neural Network Control of an Uncertain Robot With Full-State Constraints. 2016 , 46, 620-9		802
1507	Observer-based adaptive fuzzy output constrained control for MIMO nonlinear systems with unknown control directions. 2016 , 290, 79-99		24
1506	Adaptive Position/Attitude Tracking Control of Aerial Robot With Unknown Inertial Matrix Based on a New Robust Neural Identifier. 2016 , 27, 18-31		34
1505	An adaptive neural network approach to the tracking control of micro aerial vehicles in constrained space. 2017 , 48, 84-94		14
1504	Adaptive Neural Control of Uncertain MIMO Nonlinear Systems With State and Input Constraints. 2017 , 28, 1318-1330		114

1503	Barrier Lyapunov function-based adaptive output feedback failure compensation for a class of non-linear systems with unknown dead-zone non-linearity. 2017 , 39, 1169-1181		5
1502	Adaptive fuzzy backstepping output constraint control of flexible manipulator with actuator saturation. 2017 , 28, 1165-1175		23
1501	Tracking control of a marine surface vessel with full-state constraints. 2017 , 48, 535-546		52
1500	Barrier Function-Based Neural Adaptive Control With Locally Weighted Learning and Finite Neuron Self-Growing Strategy. 2017 , 28, 1439-1451		20
1499	Adaptive Fuzzy Backstepping Tracking Control for Strict-Feedback Systems With Input Delay. 2017 , 25, 642-652		204
1498	Adaptive Neural Network Control of a Marine Vessel With Constraints Using the Asymmetric Barrier Lyapunov Function. 2017 , 47, 1641-1651		239
1497	Adaptive Fuzzy Control for Nonstrict-Feedback Systems With Input Saturation and Output Constraint. 2017 , 47, 1-12		273
1496	Adaptive Neural Network Nonparametric Identifier With Normalized Learning Laws. 2017 , 28, 1216-1227		10
1495	Adaptive Neural Tracking Control for Nonlinear Time-Delay Systems With Full State Constraints. 2017 , 47, 1590-1601		76
1494	Indirect neuroadaptive control of unknown MIMO systems tracking uncertain target under sensor failures. <i>Automatica</i> , 2017 , 77, 103-111	5-7	25
1493	Command Filter-Based Adaptive Neural Tracking Controller Design for Uncertain Switched Nonlinear Output-Constrained Systems. 2017 , 47, 3160-3171		141
1492	Exploring Hypersonic Flight Vehicle's Altitude Tracking Control with Attack Angle Constraints Based on Barrier Lyapunov Function. 2017 ,		1
1491	Barrier Lyapunov functions-based dynamic surface control for pure-feedback systems with full state constraints. 2017 , 11, 524-530		95
1490	Adaptive fuzzy funnel control for a class of strict feedback nonlinear systems. 2017 , 241, 71-80		49
1489	Adaptive control of output feedback nonlinear systems with unmodeled dynamics and output constraint. 2017 , 354, 5176-5200		13
1488	Adaptive neural dynamic surface control of strict-feedback nonlinear systems with full state constraints and unmodeled dynamics. <i>Automatica</i> , 2017 , 81, 232-239	5-7	203
1487	Adaptive fault-tolerant control for actuator failures: A switching strategy. <i>Automatica</i> , 2017 , 81, 87-95	5-7	36
1486	Boundary barrier-based control of a flexible riser system. 2017 , 11, 923-930		13

1485	Adaptive neural control for nonstrict-feedback stochastic nonlinear time-delay systems with input and output constraints. 2017 , 31, 1401-1417		9
1484	Adaptive backstepping neural control of state-delayed nonlinear systems with full-state constraints and unmodeled dynamics. 2017 , 31, 1704-1722		18
1483	Multilateral Telecoordinated Control of Multiple Robots With Uncertain Kinematics. 2018 , 29, 2808-2822		10
1482	Barrier Lyapunov Functions-Based Adaptive Neural Control for Permanent Magnet Synchronous Motors With Full-State Constraints. 2017 , 5, 10382-10389		24
1481	From Pure State and Input Constraints to Mixed Constraints in Nonlinear Systems. 2017 , 125-141		2
1480	Approximation-Based Adaptive Neural Tracking Control of Nonlinear MIMO Unknown Time-Varying Delay Systems With Full State Constraints. 2017 , 47, 3100-3109		97
1479	Robust adaptive tracking control for unmanned helicopter with constraints. 2017 , 14, 172988141771262		6
1478	Robust adaptive DSC of directly input-coupled nonlinear systems with input unmodeled dynamics and time-varying output constraints. 2017 , 27, 4398-4420		7
1477	Adaptive Fuzzy Output-Constrained Fault-Tolerant Control of Nonlinear Stochastic Large-Scale Systems With Actuator Faults. 2017 , 47, 2362-2376		127
1476	Neuroadaptive Power Tracking Control of Wind Farms Under Uncertain Power Demands. 2017 , 64, 7071-7078	8	
1475	Adaptive Neural Network-Based Tracking Control for Full-State Constrained Wheeled Mobile Robotic System. 2017 , 47, 2410-2419		65
1474	Multi-Agent Second Order Average Consensus With Prescribed Transient Behavior. 2017 , 62, 5282-5288		40
1473	Barrier Lyapunov functions for Nussbaum gain adaptive control of full state constrained nonlinear systems. <i>Automatica</i> , 2017 , 76, 143-152	5-7	527
1472	Adaptive decentralized control for a class of interconnected nonlinear systems via backstepping approach and graph theory. <i>Automatica</i> , 2017 , 76, 87-95	5-7	61
1471	Adaptive Controller Design-Based ABLF for a Class of Nonlinear Time-Varying State Constraint Systems. 2017 , 47, 1546-1553		169
1470	Adaptive-observer-based output-constrained tracking of a class of arbitrarily switched uncertain non-affine nonlinear systems. 2017 , 24, 69-82		16
1469	. 2017 , 62, 3861-3876		377
1468	Adaptive neural tracking control for uncertain nonlinear systems with input and output constraints using disturbance observer. 2017 , 235, 27-37		39

- 1467 Robust observer-based control of nonlinear dynamical systems with state constraints. **2017**, 354, 7385-7409 5
- 1466 Composite adaptive locally weighted learning control for multi-constraint nonlinear systems. **2017**, 61, 1098-1104 11
- 1465 Adaptive fuzzy output feedback control for a class of nonlinear pure-feedback systems with full state constraints. **2017**, 1 1
- 1464 Barrier Lyapunov functions-based adaptive control for nonlinear pure-feedback systems with time-varying full state constraints. **2017**, 15, 2714-2722 25
- 1463 A composite current-constrained control for permanent magnet synchronous motor with time-varying disturbance. **2017**, 9, 168781401772869 8
- 1462 Adaptive fault tolerant tracking control for a class of stochastic nonlinear systems with output constraint and actuator faults. **2017**, 107, 100-109 34
- 1461 Adaptive neural tracking control for nonstrict-feedback stochastic nonlinear time-delay systems with full-state constraints. **2017**, 48, 3018-3031 9
- 1460 Backstepping approach for controlling a quadrotor using Barrier Lyapunov Functions. **2017**, 4 4
- 1459 Bibliography. **2017**, 233-243
- 1458 Adaptive Control of Input Delayed Uncertain Nonlinear Systems With Time-Varying Output Constraints. **2017**, 5, 15271-15282 22
- 1457 Backstepping control for a 3DOF model helicopter with input and output constraints. **2017**, 14, 172988141668713
- 1456 Adaptive Neural Network Control of a Robotic Manipulator With Time-Varying Output Constraints. **2017**, 47, 3136-3147 159
- 1455 Finite time moving target tracking using nonholonomic vehicles with distance and bearing angle constraints. **2017**, 4 4
- 1454 Adaptive neural network tracking of a class of switched nonlinear systems with time-varying output constraints. **2017**, 15, 1425-1433 5
- 1453 State constrained adaptive neural control for a class of nonlinear pure-feedback system using barrier Lyapunov function. **2017**,
- 1452 Adaptive dynamic surface control for unknown pure feedback non-affine systems with multiple constraints. **2017**, 90, 1191-1207 14
- 1451 Adaptive fault tolerant attitude tracking control for a quadrotor with input saturation and full-state constraints. **2017**, 1 1
- 1450 An overview of fascinating ideas on complexity and complex networks and systems in computational cybernetics: Dedicated to Prof. Rudolph E. Kalman, a giant of systems and control sciences, who past away on July 3, 2016: Jean Jacques Rousseau: "Who dares to say "this far man can go but not a step further" "2017,

1449	Guaranteeing Predefined Full State Constraints for Non-Affine Nonlinear Systems Using Neural Networks. 2017 , 376-383		
1448	An adaptive constrained control for a class of nonlinear systems with parametric uncertainties. 2017 ,		
1447	A generalization to set-theoretic model reference adaptive control architecture for enforcing user-defined time-varying performance bounds. 2017 ,		8
1446	Adaptive tracking control for air-breathing hypersonic vehicles with state constraints. 2017 , 18, 599-614		5
1445	Adaptive Neural Dynamic Surface Control of Pure-Feedback Nonlinear Systems With Full State Constraints and Dynamic Uncertainties. 2017 , 47, 2378-2387		87
1444	Vibration control for a rigid-flexible manipulator with full state constraints via Barrier Lyapunov Function. 2017 , 406, 237-252		34
1443	Output Tracking Control of Constrained Switched Nonlinear Systems. 2017 , 129-162		
1442	Recursive observer-based fault detection for a class of nonlinear uncertain systems with output constraints. 2017 , 27, 2630-2645		2
1441	Adaptive fuzzy control for full states constrained systems with nonstrict-feedback form and unknown nonlinear dead zone. 2017 , 376, 233-247		58
1440	End-Point Regulation and Vibration Suppression of a Flexible Robotic Manipulator. 2017 , 19, 245-254		23
1439	Reference and command governors for systems with constraints: A survey on theory and applications. <i>Automatica</i> , 2017 , 75, 306-328	5-7	148
1438	Neural Network Controller Design for an Uncertain Robot With Time-Varying Output Constraint. 2017 , 47, 2060-2068		91
1437	Modified adaptive neural dynamic surface control for morphing aircraft with input and output constraints. 2017 , 87, 2367-2383		34
1436	Vibration control of a flexible marine riser with joint angle constraint. 2017 , 87, 617-632		13
1435	Adaptive dynamic positioning control for accommodation vessels with multiple constraints. 2017 , 11, 329-340		15
1434	Control Synthesis of Switched Systems. 2017 ,		21
1433	Robust Stabilization of Continuous-Time Nonlinear Switched Systems Without Stable Subsystems via Maximum Average Dwell Time. 2017 , 36, 1654-1670		9
1432	Improving transient performance of adaptive control via a modified reference model and novel adaptation. 2017 , 27, 1351-1372		64

1431	Iterative learning control for non-repetitive trajectory tracking of robot manipulators with joint position constraints and actuator faults. 2017 , 31, 859-875	38
1430	Robust adaptive dynamic surface control of uncertain non-linear systems with output constraints. 2017 , 11, 110-121	29
1429	Dealing With the Issues Crucially Related to the Functionality and Reliability of NN-Associated Control for Nonlinear Uncertain Systems. 2017 , 28, 2614-2625	27
1428	Adaptive Fuzzy Output Constrained Control Design for Multi-Input Multioutput Stochastic Nonstrict-Feedback Nonlinear Systems. 2017 , 47, 4086-4095	111
1427	Adaptive Neural Control of Uncertain Nonstrict-Feedback Stochastic Nonlinear Systems with Output Constraint and Unknown Dead Zone. 2017 , 47, 2048-2059	179
1426	Adaptive Position Tracking with Hard ConstraintsBarrier Lyapunov Functions Approach. 2017 , 27-52	5
1425	Adaptive finite-time fault-tolerant tracking control for a class of MIMO nonlinear systems with output constraints. 2017 , 27, 722-741	78
1424	Boundary Control of a Flexible Robotic Manipulator With Output Constraints. 2017 , 19, 332-345	41
1423	Adaptive nearly optimal control for a class of continuous-time nonaffine nonlinear systems with inequality constraints. 2017 , 66, 122-133	12
1422	Boundary control design for extensible marine risers in three dimensional space. 2017 , 388, 1-19	45
1421	Adaptive Backstepping Control of Spacecraft Rendezvous and Proximity Operations With Input Saturation and Full-State Constraint. 2017 , 64, 480-492	113
1420	Adaptive NN Control Using Integral Barrier Lyapunov Functionals for Uncertain Nonlinear Block-Triangular Constraint Systems. 2017 , 47, 3747-3757	118
1419	Constrained control of wind turbines for power regulation in full load operation. 2017 ,	4
1418	Leader-follower formation control of fully actuated USVs with prescribed performance and collision avoidance. 2017 ,	0
1417	Reference Shaping for Impact Angle and Time Control under Field-of-View Limit. 2017 , 50, 15191-15196	2
1416	Interval-Based Implementation of Robust Variable-Structure and Backstepping Controllers of Single-Input Single-Output Systems. 2017 , 50, 6283-6288	3
1415	Attitude control for multi-rotor aircraft with output constraints. 2017 ,	
1414	Adaptive tracking control for air-breathing hypersonic vehicles with attack angle constraints. 2017 ,	1

1413	Robust adaptive boundary control of a vibrating string with time-varying constraints. 2017,	
1412	Nonlinear optimization for multi-agent motion planning in a multi-obstacle environment. 2017,	1
1411	Sliding Mode Control for an Inhomogeneous Heat Equation with Global Constraint. 2017, 19, 2116-2126	5
1410	Adaptive backstepping quantized control for a class of output-constrained nonlinear systems. 2017	
1409	The congestion control for TCP network based on input/output saturation. 2017,	3
1408	. 2017,	3
1407	Neural control of robotic manipulator with guaranteed tracking precision and velocity constraints. 2017,	
1406	Adaptive tracking control for a class of nonstrict-feedback switched nonlinear constrained systems. 2017,	
1405	Adaptive neural network tracking control of multi-agent systems with state constraints. 2017,	1
1404	Control surface optimization of hypersonic vehicle based on adaptive backstepping method. 2017,	1
1403	. 2017,	
1402	Adaptive neural control of nonlinear time-delay systems with full state constraints and unmodeled dynamics. 2017,	
1401	Adaptive control constraint enforcement through reactive parameter scaling. 2017,	
1400	Constrained Adaptive Neural Control of Nonlinear Strict-Feedback Systems with Input Dead-Zone. 2017, 2017, 1-11	1
1399	Dynamic Learning from Adaptive Neural Control of Uncertain Robots with Guaranteed Full-State Tracking Precision. 2017, 2017, 1-14	2
1398	Adaptive Neural Network Control for Nonlinear Hydraulic Servo-System with Time-Varying State Constraints. 2017, 2017, 1-11	10
1397	Adaptive Control of a Class of Switched Nonlinear System with Partial State Constraints Using a Barrier Lyapunov Function. 2017, 2017, 1-7	1
1396	Robust Adaptive Neural Control of Morphing Aircraft with Prescribed Performance. 2017, 2017, 1-16	9

1395	Output feedback control based on event triggered for nonlinear systems with full state constraints. 2017,	1
1394	Adaptive output feedback control for systems with time-varying output constraint and input saturation. 2017,	
1393	Adaptive neural dynamic surface control of output constrained non-linear systems with unknown control direction. 2017, 11, 2994-3003	17
1392	A decentralized adaptive control architecture for large-scale active-passive modular systems. 2017,	11
1391	Adaptive neural network control of flexible robotic with unmodeled dynamics and time-varying output constraints. 2017,	1
1390	Globally stable adaptive control with prescribed performance for a class of uncertain nonlinear nonaffine systems. 2017,	
1389	Output-constrained finite-time tracking control for strict-feedback nonlinear systems. 2017,	
1388	Trajectory tracking control of underactuated surface vessel with output tracking error constraints. 2017,	
1387	Decentralized adaptive dynamic surface control of nonlinear systems with output constraints. 2017	
1386	Adaptive control for output-constrained nonlinear systems with hysteresis and uncertainty. 2017,	
1385	Coordinates and Input Transformation for State Constrained Nonlinear System. 2017, 53, 337-345	1
1384	Observer-based adaptive prescribed performance tracking control for nonlinear systems with unknown control direction and input saturation. 2018, 284, 17-26	33
1383	Neural impedance adaption for assistive human-robot interaction. 2018, 290, 50-59	17
1382	Decentralized adaptive tracking quantized control for interconnected pure feedback time delay nonlinear systems. 2018, 355, 2313-2328	18
1381	Prescribed-Performance Control Design for Pure-Feedback Nonlinear Systems with Most Severe Uncertainties. 2018, 56, 517-537	8
1380	Nussbaum gain adaptive neural control for stochastic pure-feedback nonlinear time-delay systems with full-state constraints. 2018, 292, 130-141	15
1379	Adaptive output feedback control for a class of large-scale output-constrained non-linear time-delay systems. 2018, 12, 174-181	19
1378	Adaptive Neural Control for Robotic Manipulators With Output Constraints and Uncertainties. 2018 , 29, 5554-5564	159

1377	Adaptive NN finite-time tracking control of output constrained nonlinear system with input saturation. 2018 , 92, 1845-1856	28
1376	Adaptive decentralized finite-time output tracking control for MIMO interconnected nonlinear systems with output constraints and actuator faults. 2018 , 28, 1808-1829	37
1375	Boundary Control for Flexible Manipulator with State Constraints. 2018 , 79-93	
1374	Robust adaptive path-following control of underactuated marine vessel with off-track error constraint. 2018 , 49, 1540-1558	33
1373	Boundary control for a vibrating string with asymmetrically constrained outputs. 2018 , 28, 798-807	1
1372	Robust adaptive control for a class of semi-strict feedback systems with state and input constraints. 2018 , 28, 3189-3211	10
1371	Double Iterative Compensation Learning Control for Active Training of Upper Limb Rehabilitation Robot. 2018 , 16, 1312-1322	9
1370	Distributed Parameter Modeling and Boundary Control of Flexible Manipulators. 2018 ,	8
1369	Adaptive Boundary Control for a Flexible Manipulator With State Constraints Using a Barrier Lyapunov Function. 2018 , 140,	13
1368	Robust adaptive quantized DSC of uncertain pure-feedback nonlinear systems with time-varying output and state constraints. 2018 , 28, 3357-3375	37
1367	Adaptive tracking control for nonlinear time-varying delay systems with full state constraints and unknown control coefficients. <i>Automatica</i> , 2018 , 93, 444-453	5-7 63
1366	Neural-Learning-Based Control for a Constrained Robotic Manipulator With Flexible Joints. 2018 , 29, 5993-6003	81
1365	Adaptive neural novel prescribed performance control for non-affine pure-feedback systems with input saturation. 2018 , 93, 1241-1259	22
1364	Adaptive Fuzzy Output Feedback Control for a Class of Nonlinear Systems With Full State Constraints. 2018 , 26, 2607-2617	166
1363	Robust Adaptive Neural Prescribed Performance Control for MDF Continuous Hot Pressing System With Input Saturation. 2018 , 6, 9099-9113	9
1362	Adaptive Fault-Tolerant Attitude Tracking Control of Spacecraft With Prescribed Performance. 2018 , 23, 331-341	144
1361	Asymmetric Bimanual Control of Dual-Arm Exoskeletons for Human-Cooperative Manipulations. 2018 , 34, 264-271	116
1360	Distributed adaptive consensus tracking control for nonlinear multi-agent systems with state constraints. 2018 , 326, 16-32	85

1359	Switching Control of Acceleration and Safety Protection for Turbo Fan Aero-Engines Based on Equilibrium Manifold Expansion Model. 2018 , 20, 1689-1700	11
1358	Set-Theoretic Model Reference Adaptive Control of a Generic Transport Model. 2018 ,	2
1357	Adaptive Set-Theoretic Emulator Reference Architecture (ASTERA): Control of Uncertain Dynamical Systems with Performance Guarantees and Smooth Transients. 2018 ,	4
1356	A Model Reference Adaptive Control Approach for Uncertain Dynamical Systems with Strict Component-wise Performance Guarantees. 2018 ,	3
1355	Adaptive thermal control for PEMFC systems with guaranteed performance. 2018 , 43, 11550-11558	29
1354	Robust approximation-free prescribed performance control for nonlinear systems and its application. 2018 , 49, 511-522	18
1353	Tracking control for strict-feedback nonlinear systems with time-varying full state constraints. 2018 , 40, 3964-3977	14
1352	Barrier Lyapunov function-based adaptive fuzzy control for induction motors with iron losses and full state constraints. 2018 , 287, 208-220	20
1351	Error-transformation-based consensus algorithms of multi-agent systems: connectivity-preserving approach. 2018 , 49, 692-700	1
1350	RETRACTED ARTICLE: Finite-time tracking control for strict-feedback nonlinear systems with time-varying output constraints. 2018 , 49, I-X	1
1349	Neuroadaptive Control of Strict Feedback Systems With Full-State Constraints and Unknown Actuation Characteristics: An Inexpensive Solution. 2018 , 48, 3126-3134	22
1348	Decentralized adaptive neural control for interconnected stochastic nonlinear delay-time systems with asymmetric saturation actuators and output constraints. 2018 , 355, 54-80	18
1347	State-constrained Robust Adaptive Cruise Control Design for Air-breathing Hypersonic Vehicles. 2018 ,	4
1346	Adaptive Control of a Rigid Body Vehicle on Exponential Coordinates with Guaranteed Performance. 2018 ,	2
1345	On Set-Theoretic Model Reference Adaptive Control of Uncertain Dynamical Systems Subject to Actuator Dynamics. 2018 ,	0
1344	Neural adaptive tracking control for an uncertain robot manipulator with time-varying joint space constraints. 2018 , 112, 44-60	29
1343	Neuroadaptive Control With Given Performance Specifications for MIMO Strict-Feedback Systems Under Nonsmooth Actuation and Output Constraints. 2018 , 29, 4414-4425	16
1342	Finite-Time Stabilization for a Class of Non-Affine Nonlinear Systems With Input Saturation and Time-Varying Output Constraints. 2018 , 6, 23529-23539	13

1341	Switching fault-tolerant control of a moving vehicle-mounted flexible manipulator system with state constraints. 2018 , 355, 3050-3078	11
1340	Adaptive Fuzzy Output Feedback Control for Nonlinear Nonstrict-Feedback Time-Delay Systems with Full State Constraints. 2018 , 20, 1730-1744	15
1339	State-Constrained Control of Single-Rod Electrohydraulic Actuator With Parametric Uncertainty and Load Disturbance. 2018 , 26, 2242-2249	25
1338	. 2018 , 54, 2233-2245	42
1337	Modeling and vibration control of the flapping-wing robotic aircraft with output constraint. 2018 , 423, 472-483	16
1336	Active Control of an Elastic Beam Based on State and Input Constraints. 2018 , 6, 10635-10643	11
1335	Neuroadaptive Fault-Tolerant Control of Nonlinear Systems Under Output Constraints and Actuation Faults. 2018 , 29, 286-298	62
1334	Neural-Network-Based Adaptive Decentralized Fault-Tolerant Control for a Class of Interconnected Nonlinear Systems. 2018 , 29, 144-155	133
1333	A Novel Switching-Based Control Framework for Improved Task Performance in Teleoperation System With Asymmetric Time-Varying Delays. 2018 , 48, 625-638	24
1332	Adaptive Fuzzy Neural Network Control for a Constrained Robot Using Impedance Learning. 2018 , 29, 1174-1186	382
1331	Safe Exploration Algorithms for Reinforcement Learning Controllers. 2018 , 29, 1069-1081	27
1330	A set-theoretic model reference adaptive control architecture for disturbance rejection and uncertainty suppression with strict performance guarantees. 2018 , 91, 1195-1208	41
1329	Boundary control for a constrained two-link rigidflexible manipulator with prescribed performance. 2018 , 91, 1091-1103	20
1328	Adaptive neural control for nonstrict-feedback time-delay systems with input and output constraints. 2018 , 9, 1533-1540	3
1327	Finite-time stabilisation of a class of switched nonlinear systems with state constraints. 2018 , 91, 1300-1313	35
1326	Adaptive Neural Tracking Control for an Uncertain State Constrained Robotic Manipulator With Unknown Time-Varying Delays. 2018 , 48, 2219-2228	69
1325	Neural-network-based adaptive fault-tolerant tracking control of uncertain nonlinear time-delay systems under output constraints and infinite number of actuator faults. 2018 , 272, 343-355	19
1324	Supervisory adaptive fault-tolerant control against actuator failures with application to an aircraft. 2018 , 28, 536-551	9

1323	Adaptive fuzzy dynamic surface control of nonlinear systems with input saturation and time-varying output constraints. 2018 , 100, 311-329		55
1322	Adaptive neural control of constrained strict-feedback nonlinear systems with input unmodeled dynamics. 2018 , 272, 596-605		19
1321	Adaptive control-based Barrier Lyapunov Functions for a class of stochastic nonlinear systems with full state constraints. <i>Automatica</i> , 2018 , 87, 83-93	5-7	348
1320	Nonlinear Antiswing Control of Offshore Cranes With Unknown Parameters and Persistent Ship-Induced Perturbations: Theoretical Design and Hardware Experiments. 2018 , 65, 2629-2641		37
1319	Adaptive Fuzzy Tracking Control Based Barrier Functions of Uncertain Nonlinear MIMO Systems With Full-State Constraints and Applications to Chemical Process. 2018 , 26, 2145-2159		36
1318	Constrained control of input-output linearizable systems using control sharing barrier functions. <i>Automatica</i> , 2018 , 87, 195-201	5-7	34
1317	Adaptive Fuzzy Fault-Tolerant Control of Nontriangular Structure Nonlinear Systems With Error Constraint. 2018 , 26, 2062-2074		100
1316	Adaptive fuzzy control for feedback linearizable MIMO nonlinear systems with prescribed performance. 2018 , 344, 70-89		17
1315	Robust Adaptive Fault-Tolerant Control of Mobile Robots With Varying Center of Mass. 2018 , 65, 2419-2428		25
1314	Robust state-constrained control design for nonlinear systems with uncertainties using a new barrier Lyapunov Function. 2018 , 40, 3489-3497		4
1313	Improved adaptive resilient control against sensor and actuator attacks. 2018 , 423, 145-156		75
1312	Adaptive neural control for MIMO stochastic nonlinear pure-feedback systems with input saturation and full-state constraints. 2018 , 275, 298-307		27
1311	Neural network adaptive control design for robot manipulators under velocity constraints. 2018 , 355, 693-713		20
1310	Adaptation of Levant's differentiator based on barrier function. 2018 , 91, 2019-2027		10
1309	Model-based nonlinear control of hydraulic servo systems: Challenges, developments and perspectives. 2018 , 13, 179-210		13
1308	Iterative learning control for output-constrained nonlinear systems with input quantization and actuator faults. 2018 , 28, 729-741		35
1307	Prescribed Performance Control of Uncertain Euler-Lagrange Systems Subject to Full-State Constraints. 2018 , 29, 3478-3489		113
1306	Barrier Lyapunov Function Based Output-constrained Control of Nonlinear Euler-Lagrange Systems. 2018 ,		6

1305	Finite-time consensus control for second-order multi-agent systems with output constraint. 2018,	3
1304	Nonlinear Control of Flexible Two-Dimensional Overhead Cranes. 2018,	
1303	Permissive Barrier Certificates for Safe Stabilization Using Sum-of-squares. 2018,	16
1302	Event- Triggered Adaptive Prescribed Performance Control for a Class of Uncertain Nonlinear Systems. 2018,	5
1301	On merging constraint and optimal control-Lyapunov functions. 2018,	1
1300	Fuzzy adaptive control for a class of uncertain nonlinear pure-feedback systems with full state constraints. 2018,	3
1299	Distributed Formation with Diffusive Obstacle Avoidance Control in Coordinated Mobile Robots. 2018,	1
1298	Adaptive Backstepping Control Design for Uncertain Rigid Spacecraft With Both Input and Output Constraints. 2018, 6, 60776-60789	8
1297	Unsafe Point Avoidance in Linear State Feedback. 2018,	6
1296	Constrained Dynamic Surface Control of Electro-Hydrostatic Actuator Anti-Skid Braking System. 2018,	
1295	Barrier Lyapunov Function Based State-constrained Control for a Class of Nonlinear Systems. 2018, 51, 7-12	6
1294	Adaptive Neural Prescribed Performance DSC for Non-affine SISO Nonlinear Systems with External Disturbances. 2018, 51, 748-753	2
1293	Iterative Learning Control for Linear Time-varying Systems with Input and Output Constraints. 2018	1
1292	Command Governor Based Adaptive Control for Constrained Linear Systems. 2018,	
1291	Platoon Formation Control of USVs With Output Tracking Error Constraints. 2018,	1
1290	Output-Constrained Point- to- Point Tracking of Underactuated Surface Vessel with Uncertainties. 2018,	
1289	Triangle Wave Tracking Control of an Electromagnetic Torsional Micromirror with Constraint Transient Performance. 2018,	
1288	Adaptive Finite-Time Command Filtered Fault-Tolerant Control for Uncertain Spacecraft with Prescribed Performance. 2018, 2018, 1-12	10

1287	Prescribed performance control for MDF continuous hot pressing hydraulic system. 2018 , 29, 185		1
1286	Barrier Lyapunov Function Based Finite-Time Backstepping Control of Quadrotor with Full State Constraints. 2018 ,		1
1285	Adaptive Neural Network Control of Uncertain Strict-Feedback Systems with Full-State Constrains by Integral-Barrier Lyapunov Functions. 2018 ,		1
1284	Course Keeping Control of Automatic Operation Boat with Constraints for Aquaculture. 2018 ,		
1283	Anti-unwinding attitude control of rigid spacecraft with angular velocity constraint. 2018 ,		1
1282	Central Heating System Constrained Control with Input Delay Based on Neural Networks. 2018 , 2018, 1-12		
1281	Safety Verification Using Barrier Certificates with Application to Double Integrator with Input Saturation and Zero-Order Hold. 2018 ,		5
1280	Chaos and Nonlinear Feedback Control of the Arch Micro-Electro-Mechanical System. 2018 , 31, 1510-1524		4
1279	Safety Control Synthesis with Input Limits: a Hybrid Approach. 2018 ,		3
1278	Adaptive Event-Triggered Control for Nonlinear Systems with Output Constraint. 2018 ,		1
1277	Adaptive asymptotic tracking using barrier functions. <i>Automatica</i> , 2018 , 98, 239-246	5-7	21
1276	Backstepping-based adaptive dynamic programming for missile-target guidance systems with state and input constraints. 2018 , 355, 8412-8440		13
1275	Robust adaptive vibration control for a string with time-varying output constraint. 2018 , 28, 5213-5231		7
1274	Tracking control of uncertain nonlinear systems with deferred asymmetric time-varying full state constraints. <i>Automatica</i> , 2018 , 98, 314-322	5-7	46
1273	Robust control for a class of state-constrained high-order switched nonlinear systems with unstable subsystems. 2018 , 49, 3320-3331		1
1272	A novel trajectory planning-based adaptive control method for 3-D overhead cranes. 2018 , 49, 3332-3345		4
1271	Full-State Error Constraints Based Dynamic Surface Control of Electro-Hydraulic System. 2018 , 6, 53092-53101		14
1270	Control Lyapunov-Barrier Function-Based Model Predictive Control of Nonlinear Systems. 2018 ,		3

1269	Full state constraints-based adaptive control for switched nonlinear pure-feedback systems. 2018 , 49, 3094-3107	5
1268	Adaptive fuzzy dynamic surface control for a class of stochastic MIMO discrete-time nonlinear pure-feedback systems with full state constraints. 2018 , 49, 3037-3047	4
1267	Adaptive Control of Nonlinear Switched Output Feedback Systems with Unmodeled Dynamics and Constraints. 2018 ,	1
1266	Adaptive Neural Control of a Class of Pure-Feedback Nonlinear Systems with Full State Constrains. 2018 ,	
1265	Robust Adaptive Control of MIMO Nonlinear Systems with Output Constraint and Minimum Adjusting Parameters. 2018 ,	
1264	Adaptive Fuzzy Output Feedback Control for Partial State Constrained Nonlinear Pure Feedback Systems. 2018 , 2018, 1-12	2
1263	Single Parameter Adaptive Control of Unknown Nonlinear Systems with Tracking Error Constraints. 2018 , 2018, 1-9	3
1262	Adaptive neural control of MIMO uncertain nonlinear systems with unmodeled dynamics and output constraint. 2018 , 32, 1731-1747	9
1261	Adaptive Fuzzy Consensus Control of Uncertain Nonlinear Second-Order Systems with Output constraints. 2018 ,	
1260	Asymmetric error-constrained path-following control of a stratospheric airship. 2018 ,	
1259	Integral Barrier Lyapunov Function Based Saturated Dynamic Surface Control for Vision-Based Quadrotors via Back-Stepping. 2018 , 6, 63292-63304	15
1258	Attitude Controller Design with State Constraints for Kinetic Kill Vehicle Based on Barrier Lyapunov Function. 2018 , 2018, 1-15	
1257	Trajectory tracking control strategy using co-reference for rear-steered vehicle. 2018 ,	3
1256	A Fuzzy Adaptive Control Strategy for Active Suspension Systems with Unknown Dynamics. 2018 ,	1
1255	Adaptive Neural Control with Prescribed Performance for Strict-Feedback Systems with Input Saturation*. 2018 ,	
1254	Fully state constraint impulsive control for non-autonomous delayed nonlinear dynamic systems. 2018 , 29, 383-394	15
1253	Stabilisation of state-and-input constrained nonlinear systems via diffeomorphisms: A Sontag's formula approach with an actual application. 2018 , 28, 4032-4044	2
1252	Fault-tolerant iterative learning control for mobile robots non-repetitive trajectory tracking with output constraints. <i>Automatica</i> , 2018 , 94, 63-71	5.7 80

1251	Adaptive robust backstepping attitude control for a multi-rotor unmanned aerial vehicle with time-varying output constraints. 2018 , 78, 593-603	49
1250	Adaptive Neural Networks Control Using Barrier Lyapunov Functions for DC Motor System with Time-Varying State Constraints. 2018 , 2018, 1-9	13
1249	Adaptive quantized output feedback DSC of uncertain systems with output constraints and unmodeled dynamics based on reduced-order K-filters. 2018 , 310, 236-245	6
1248	Distributed zero-sum differential game for multi-agent systems in strict-feedback form with input saturation and output constraint. 2018 , 106, 8-19	21
1247	Online Accurate Estimation of the Wheel-Rail Adhesion Coefficient and Optimal Adhesion Antiskid Control of Heavy-Haul Electric Locomotives Based on Asymmetric Barrier Lyapunov Function. 2018 , 2018, 1-12	6
1246	Neural Network Based Central Heating System Load Prediction and Constrained Control. 2018 , 2018, 1-14	3
1245	Vehicle Reference Generator for Collision-Free Trajectories in Hazardous Maneuvers. 2018 , 2018, 1-10	0
1244	Integral Barrier Lyapunov Functions-based Neural Control for Strict-feedback Nonlinear Systems with Multi-constraint. 2018 , 16, 2002-2010	15
1243	Finite-time fault-tolerant adaptive robust control for a class of uncertain non-linear systems with saturation constraints using integral backstepping approach. 2018 , 12, 2109-2117	22
1242	Kinematic Steering Law for Conically Constrained Torque-Limited Spacecraft Attitude Control. 2018 , 41, 1990-2001	15
1241	Adaptive neural network-based control for a class of nonlinear pure-feedback systems with time-varying full state constraints. 2018 , 5, 923-933	130
1240	Finite-time decentralized adaptive neural constrained control for interconnected nonlinear time-delay systems with dynamics couplings among subsystems. 2018 , 80, 54-64	2
1239	Prescribed Performance Constraint Regulation of Electrohydraulic Control Based on Backstepping with Dynamic Surface. 2018 , 8, 76	15
1238	Neural adaptive output-feedback control of non-affine nonlinear systems with unknown control direction. 2018 ,	
1237	Chaotic Behavior and Adaptive Control of the Arch MEMS Resonator With State Constraint and Sector Input. 2018 , 18, 6986-6995	4
1236	Finite-time formation control of mobile robots under limited sensing range. 2018 ,	1
1235	Adaptive control of a vehicle-seat-human coupled model using quasi-zero-stiffness vibration isolator as seat suspension. 2018 , 32, 2973-2985	22
1234	The Explicit Reference Governor: A General Framework for the Closed-Form Control of Constrained Nonlinear Systems. 2018 , 38, 89-107	30

1233	Distributed consensus control for second-order nonlinear multi-agent systems with unknown control directions and position constraints. 2018 , 306, 61-67	17
1232	Suboptimal adaptive control of dynamic systems with state constraints based on Barrier Lyapunov functions. 2018 , 12, 1116-1124	9
1231	Formation Control and Obstacle Avoidance for Multi-Agent Systems Using Barrier Lyapunov Functions. 2018 ,	1
1230	Global finite-time output stabilization of nonlinear systems with unknown measurement sensitivity. 2018 , 28, 5158-5172	16
1229	Space tether deployment with explicit maximum libration angle constraint and tension disturbance. 2018 , 62, 1853-1862	2
1228	Input and Output Constraints in Iterative Learning Control Design for Robotic Manipulators. 2018 , 06, 197-208	4
1227	Asymmetric prescribed performance-barrier Lyapunov function for the adaptive dynamic surface control of unknown pure-feedback nonlinear switched systems with output constraints. 2018 , 32, 1417-1439	10
1226	An incremental Inter-agent learning method for adaptive control of multiple identical processes in mass production. 2018 , 315, 322-344	1
1225	Feedback-Based Iterative Learning Design and Synthesis With Output Constraints for Robotic Manipulators. 2018 , 2, 513-518	13
1224	Adaptive actuator fault compensation control for a rigid-flexible manipulator with ODEs-PDEs model. 2018 , 49, 1748-1759	13
1223	Error-driven nonlinear feedback-based fuzzy adaptive output dynamic surface control for nonlinear systems with partially constrained tracking errors. 2018 , 355, 5452-5474	8
1222	. 2019 , 64, 1265-1272	117
1221	Adaptive neural network control of an arm-string system with actuator fault based on a PDE model. 2019 , 25, 172-181	12
1220	A Simple Current-Constrained Controller for Permanent-Magnet Synchronous Motor. 2019 , 15, 1486-1495	24
1219	Visual Servoing of a Flexible Gantry Crane With a Sway Range Constraint. 2019 , 3, 138-143	5
1218	. 2019 , 49, 2340-2351	41
1217	Finite-Time Adaptive Fuzzy Control for Nonlinear Systems With Full State Constraints. 2019 , 49, 1541-1548	140
1216	Fault Tolerant Nonrepetitive Trajectory Tracking for MIMO Output Constrained Nonlinear Systems Using Iterative Learning Control. 2019 , 49, 3180-3190	34

1215	Barrier Lyapunov functions-based localized adaptive neural control for nonlinear systems with state and asymmetric control constraints. 2019 , 41, 1656-1664		6
1214	Control Barrier Functions for Signal Temporal Logic Tasks. 2019 , 3, 96-101		60
1213	Prescribed performance control of one-DOF link manipulator with uncertainties and input saturation constraint. 2019 , 6, 148-157		20
1212	Nonrepetitive Leader-Follower Formation Tracking for Multiagent Systems With LOS Range and Angle Constraints Using Iterative Learning Control. 2019 , 49, 1748-1758		46
1211	Robust adaptive fault-tolerant control for time delay uncertain nonlinear systems with time-varying performance bounds. 2019 , 50, 2168-2188		3
1210	Control Barrier Functions: Theory and Applications. 2019 ,		186
1209	Time-Varying Tan-Type Barrier Lyapunov Function-Based Adaptive Fuzzy Control for Switched Systems With Unknown Dead Zone. 2019 , 7, 110928-110935		19
1208	Adaptive Fault-Tolerant PID Tracking Control of Mobile Robots Operating Over Sliding Surface. 2019 ,		0
1207	Fault-Tolerant Control of Robotic Manipulators With/Without Output Constraints. 2019 , 593-604		0
1206	Control Lyapunov-Barrier function-based model predictive control of nonlinear systems. <i>Automatica</i> , 2019 , 109, 108508	5-7	18
1205	Homeomorphism Mapping Based Neural Networks for Finite Time Constraint Control of a Class of Nonaffine Pure-Feedback Nonlinear Systems. 2019 , 2019, 1-11		9
1204	Estimation of the domain of attraction for discrete-time linear impulsive control systems with input saturation. 2019 , 362, 124502		0
1203	Fault-tolerant safe control design of switched and interconnected nonlinear systems. 2019 , 356, 8929-8951		6
1202	Overcurrent Protection Control Design for DC-DC Buck Converter With Disturbances. 2019 , 7, 90825-90833		3
1201	Vibration control of aero two-blade propeller with input and output constraints based on PDE model. 2019 , 93, 105291		2
1200	Robust finite-time stabilization of a class of high-order stochastic nonlinear systems subject to output constraint and disturbances. 2019 , 29, 5550-5573		26
1199	Adaptive neural dynamic surface control of MIMO uncertain nonlinear systems with time-varying full state constraints and disturbances. 2019 , 364, 16-31		13
1198	Reference and Limit Governors for Limit Protection of Turbofan Engines. 2019 , 12, 2803		3

1197	Adaptive heading tracking control of surface vehicles with unknown control directions and full state constraints. 2019 , 359, 517-525		10
1196	Constrained path-following control for an airship with uncertainties. 2019 , 85, 295-306		10
1195	Adaptive control for switched uncertain nonlinear systems with time-varying output constraint and input saturation. 2019 , 33, 1344-1358		7
1194	Adaptive neural dynamic surface control of a stratospheric airship with time-varying full state constraints and disturbances. 2019 ,		1
1193	Robust resilient control for parametric strict feedback systems with prescribed output and virtual tracking errors. 2019 , 29, 6212-6226		3
1192	Practical tracking control of perturbed uncertain nonaffine systems with full state constraints. <i>Automatica</i> , 2019 , 110, 108608	5-7	38
1191	Quadcopter Adaptive Trajectory Tracking Control: A New Approach via Backstepping Technique. 2019 , 9, 3873		17
1190	Adaptive path following control of a stratospheric airship with full-state constraint and actuator saturation. 2019 , 95, 105457		8
1189	Optimizing process economics and operational safety via economic MPC using barrier functions and recurrent neural network models. 2019 , 152, 455-465		8
1188	Reactive Conductive Ink Capable of In Situ and Rapid Synthesis of Conductive Patterns Suitable for Inkjet Printing. 2019 , 24,		3
1187	Strength Time-Varying and Freeze-Thaw Durability of Sustainable Pervious Concrete Pavement Material Containing Waste Fly Ash. 2019 , 11, 176		7
1186	Adaptive fault-tolerant attitude tracking control of hypersonic vehicle subject to unexpected centroid-shift and state constraints. 2019 , 95, 105515		17
1185	Adaptive Neural Networks Control for Uncertain Nonlinear State Constrained Systems With Input Delay. 2019 ,		
1184	Adaptive Fault Tolerant Control of Hypersonic Flight Vehicle with State Constraints using Barrier Lyapunov Function. 2019 ,		1
1183	Nussbaum Gain Adaptive Control for Nonlinear Systems with State Constraints and Input Saturation. 2019 ,		0
1182	Adaptive Control of Full-State Constrained High-Order Nonlinear Systems With Time-Varying Powers. 2019 , 1-9		7
1181	Prescribed performance control of strict-feedback systems under actuation saturation and output constraint via event-triggered approach. 2019 , 29, 6357-6373		14
1180	Study on TCP/AQM network congestion with adaptive neural network and barrier Lyapunov function. 2019 , 363, 27-34		10

1179	Observer-based adaptive fuzzy prescribed performance control for feedback linearizable MIMO nonlinear systems with unknown control direction. 2019 , 368, 99-113	2
1178	Trajectory Tracking Control for a QAV With Performance Constraints. 2019 , 7, 142467-142477	6
1177	Tracking Control With Input Saturation and Full-State Constraints for Surface Vessels. 2019 , 7, 144741-144755	4
1176	. 2019 ,	
1175	Vibration Control for Two Kinds of Flexible Mechanical Systems With Full State Output Constraints. 2019 , 7, 120734-120743	
1174	Tracking Control of Constrained Robotic Systems Under Uncertain Initial Conditions. 2019 ,	
1173	Adaptive Neural Constraint Output Control for a Class of Quantized Input Switched Nonlinear System. 2019 , 7, 121493-121500	6
1172	Characterizations of safety in hybrid inclusions via barrier functions. 2019 ,	3
1171	Temporal Circular Formation Control with Bounded Trajectories in a Uniform Flowfield. 2019 ,	1
1170	Disturbance observer-based fixed-time prescribed performance tracking control for robotic manipulator. 2019 , 50, 2437-2448	15
1169	Efficacy of perioperative anticonvulsant prophylaxis in seizure-naïve glioma patients: A meta-analysis. 2019 , 186, 105529	5
1168	Adaptive Neural-Based Finite-Time Trajectory Tracking Control for Underactuated Marine Surface Vessels With Position Error Constraint. 2019 , 7, 16309-16322	22
1167	BLF-based asymptotic tracking control for a class of time-varying full state constrained nonlinear systems. 2019 , 41, 3043-3052	14
1166	Adaptive Fuzzy Event-Triggered Control for Stochastic Nonlinear Systems With Full State Constraints and Actuator Faults. 2019 , 27, 2242-2254	161
1165	Fuzzy Adaptive Fault-Tolerant Control for Uncertain Nonlinear Systems With Unknown Dead-Zone and Unmodeled Dynamics. 2019 , 27, 2265-2278	30
1164	Neural network-based adaptive fault tolerant tracking control for unmanned autonomous helicopters with prescribed performance. 2019 , 233, 4350-4362	7
1163	Vehicle Reference Generator for Collision-free Paths. 2019 , 17, 181-192	3
1162	Neural Adaptive Event-Triggered Control for Nonlinear Uncertain Stochastic Systems With Unknown Hysteresis. 2019 , 30, 3300-3312	62

1161	Nonrepetitive trajectory tracking for nonlinear autonomous agents with asymmetric output constraints using parametric iterative learning control. 2019 , 29, 1941-1955	9
1160	Adaptive neural-based control for non-strict feedback systems with full-state constraints and unmodeled dynamics. 2019 , 97, 715-732	8
1159	A Special Kind of Sliding Mode Control for Nonlinear System With State Constraints. 2019 , 7, 69998-70010	4
1158	Adaptive Fuzzy Control for Nonlinear State Constrained Systems With Input Delay and Unknown Control Coefficients. 2019 , 7, 53718-53730	8
1157	Appointed-time fault-tolerant attitude tracking control of spacecraft with double-level guaranteed performance bounds. 2019 , 92, 337-346	23
1156	A Singularity-Free Robust Hierarchical Quad-Rotorcraft Control Exploiting First Order Drag Effects. 2019 ,	1
1155	L1 adaptive output-feedback descriptor for multivariable nonlinear systems with measurement noises. 2019 , 29, 4097	16
1154	Adaptive neural network control for stochastic constrained block structure nonlinear systems with dynamical uncertainties. 2019 , 33, 1079-1096	1
1153	Time-varying Barrier Lyapunov Function Based Adaptive Neural Controller Design for Nonlinear Pure-feedback Systems with Unknown Hysteresis. 2019 , 17, 1642-1654	25
1152	L1 adaptive output-feedback control of multivariable nonlinear systems subject to constraints using online optimization. 2019 , 29, 4116	15
1151	Tracking control of MIMO nonlinear systems under full state constraints: A Single-parameter adaptation approach free from feasibility conditions. <i>Automatica</i> , 2019 , 107, 52-60	5-7 52
1150	Prescribed performance adaptive fuzzy dynamic surface control of nonaffine time-varying delayed systems with unknown control directions and dead-zone input. 2019 , 33, 1134-1156	12
1149	Fuzzy State Observer-Based Adaptive Dynamic Surface Control of Nonlinear Systems with Time-Varying Output Constraints. 2019 , 2019, 1-11	3
1148	6-DOF Multi-Constrained Adaptive Tracking Control for Noncooperative Space Target. 2019 , 7, 48739-48752	2
1147	State Constrained Variable Structure Control for Active Heave Compensators. 2019 , 7, 54770-54779	4
1146	Decentralized merging control in traffic networks. 2019 ,	10
1145	Dynamic surface controlBased adaptive neural tracking for full-state constrained omnidirectional mobile robots. 2019 , 11, 168781401984675	2
1144	Adaptive output feedback control of uncertain nonlinear systems with input delay and output constraint. 2019 , 33, 972-998	5

1143	Adaptive neural network-based control of uncertain nonlinear systems with time-varying full-state constraints and input constraint. 2019 , 357, 108-115	22
1142	Existence of solution, pulse phenomena and stability criteria for state-dependent impulsive differential equations with saturation. 2019 , 77, 312-323	6
1141	Finite-time stabilization for a class of high-order stochastic nonlinear systems with an output constraint. 2019 , 358, 63-79	68
1140	An improved adaptive neural dynamic surface control for pure-feedback systems with full state constraints and disturbance. 2019 , 358, 37-50	16
1139	Fuzzy adaptive tracking control for switched nonlinear systems with full time-varying state constraints. 2019 , 352, 1-11	11
1138	Manipulators on Space Platforms. 2019 , 167-205	
1137	Barrier Lyapunov Function-Based Adaptive Control of an Uncertain Hovercraft with Position and Velocity Constraints. 2019 , 2019, 1-16	10
1136	Event-Triggered Adaptive Control for Prescribed Performance Tracking of Constrained Uncertain Nonlinear Systems. 2019 , 7, 23527-23536	4
1135	Low-Complexity Adaptive Tracking Control for Unknown Pure Feedback Nonlinear Systems With Multiple Constraints. 2019 , 7, 27615-27627	2
1134	Prescribed performance adaptive attitude tracking control for flexible spacecraft with active vibration suppression. 2019 , 96, 1909-1926	27
1133	Adaptive actuator fault-tolerant control for a three-dimensional Euler-Bernoulli beam with output constraints and uncertain end load. 2019 , 356, 3869-3898	12
1132	A novel guaranteed tracking performance control for reentry vehicle with actuator constraints and uncertainties. 2019 , 41, 3787-3798	1
1131	Fixed-time Trajectory Tracking Control of a Full State Constrained Marine Surface Vehicle with Model Uncertainties and External Disturbances. 2019 , 17, 1331-1345	12
1130	Adaptive neural network command filtered backstepping control of pure-feedback systems in presence of full state constraints. 2019 , 33, 829-842	7
1129	Event-triggered neural adaptive failure compensation control for stochastic systems with dead-zone output. 2019 , 96, 2179-2196	13
1128	High-order ESO based output feedback dynamic surface control for quadrotors under position constraints and uncertainties. 2019 , 89, 288-298	60
1127	Adaptive NN Control Without Feasibility Conditions for Nonlinear State Constrained Stochastic Systems With Unknown Time Delays. 2019 , 49, 4485-4494	48
1126	Design and Analysis of Output Feedback Constraint Control for Antilock Braking System with Time-Varying Slip Ratio. 2019 , 2019, 1-11	10

1125	Barrier Lyapunov functions-based command filtered output feedback control for full-state constrained nonlinear systems. <i>Automatica</i> , 2019 , 105, 71-79	5-7	131
1124	Output-constrained tracking control of an underactuated autonomous underwater vehicle with uncertainties. 2019 , 175, 241-250		26
1123	Command filter based adaptive control of asymmetric output-constrained switched stochastic nonlinear systems. 2019 , 91, 114-124		16
1122	Two-layer distributed hybrid affine formation control of networked Euler-Lagrange systems. 2019 , 356, 2172-2197		13
1121	A neuroadaptive architecture for model reference control of uncertain dynamical systems with performance guarantees. 2019 , 125, 37-44		10
1120	Design and analysis of output feedback constraint control for antilock braking system based on Burckhardt's model. 2019 , 39, 497-513		9
1119	Decentralized Merging Control in Traffic Networks with Noisy Vehicle Dynamics: a Joint Optimal Control and Barrier Function Approach. 2019 ,		10
1118	Neural Network Control Using Composite Learning for USVs with Output Error Constraints. 2019 ,		
1117	Design of Missile Attitude Constraint Control under New Disturbance Observation Compensation. 2019 ,		
1116	Characterization of Safety and Conditional Invariance for Nonlinear Systems. 2019 ,		2
1115	Prescribed Performance Control of Euler-Lagrange System with Unknown Dead-zone and Uncertain Disturbances. 2019 ,		
1114	. 2019 , 1-1		3
1113	A Multi-objective Switching Control Strategy for Aero-engines Considering Sensor Dynamic. 2019 ,		1
1112	Fault-Tolerant Control for a Vibrating Nanobeam System. 2019 ,		1
1111	A Singularity-free Hierarchical Nonlinear Quad-Rotorcraft Control using Saturation and Barrier Lyapunov Function. 2019 ,		4
1110	Control Barrier Functions for Systems with High Relative Degree. 2019 ,		40
1109	. 2019 ,		11
1108	A Robust Tracking Control for Unicycle Mobile Robots: An Attractive Ellipsoid Approach. 2019 ,		3

1107	Analysis and experimental verification of a current-cycle iterative learning control for robotic manipulators with output constraints. 2019,	
1106	Safe Intermittent Reinforcement Learning for Nonlinear Systems. 2019,	2
1105	Finite-time Autonomous Shipboard Landing Control of a Helicopter with Time-varying Output Constraints. 2019,	
1104	An Iterative Learning Control Synthesis for Nonlinear Systems with Hard Input and Output Constraints. 2019,	1
1103	Constrained-Inversion MRAC: An Approach Combining Hard Constraints and Adaptation in Uncertain Nonlinear Systems. 2019,	0
1102	Delayed-impulsive control for difference systems with actuator saturation and its synchronisation application. 2019, 13, 1129-1136	8
1101	Optimal Area Keeping Control for USV based on Minimum Energy Consumption. 2019,	1
1100	A Reference Governor Approach Towards Recovery from Constraint Violation. 2019,	1
1099	Finite-time control for a class of high-order stochastic nonlinear systems with output constraints. 2019,	
1098	3D UAV Navigation with Moving-Obstacle Avoidance Using Barrier Lyapunov Functions. 2019, 52, 49-54	1
1097	Complete control Lyapunov functions: Stability under state constraints. 2019, 52, 358-363	2
1096	Backstepping Control of Aircraft Take-Off in Windshear. 2019, 52, 712-717	3
1095	Fixed-Time Stabilization for a Class of Nonholonomic Systems With State Constraints. 2019,	3
1094	Barrier-Lyapunov-Function-Based Backstepping Control for PMSM Servo System with Full State Constraints. 2019,	1
1093	Role Adaptation and Force, Impedance Learning For Physical Human-Robot Interaction. 2019,	0
1092	Adaptive Formation Control for Waterjet USV With Input and Output Constraints Based on Bioinspired Neurodynamics. 2019, 7, 165852-165861	6
1091	Adaptive Fault-Tolerant Control for a Class of Uncertain Nonlinear Systems with Actuator Failures. 2019,	1
1090	State Constraint Control for Uncertain Nonlinear Systems With Disturbance Compensation. 2019, 7, 155251-155261	

1089	Barrier Lyapunov Function-Based Sliding Mode Control for BWB Aircraft With Mismatched Disturbances and Output Constraints. 2019 , 7, 175341-175352	11
1088	Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure. 2019 ,	11
1087	Finite-Time Synchronization of Nonlinear Multi-Agent Systems with Prescribed Performance. 2019 ,	1
1086	Prescribed performance neural control to guarantee tracking quality for near space kinetic kill vehicle. 2019 , 30, 573-586	2
1085	Adaptive neural tracking control of nonlinear systems with output constraint and input delay. 2019 ,	
1084	Observer-based Adaptive Fuzzy Output Feedback Control for Uncertain Nonlinear Systems with Constrained Output. 2019 ,	
1083	Guaranteed Vehicle Safety Control Using Control-Dependent Barrier Functions. 2019 ,	6
1082	Adaptive Hypersonic Flight Control under Asymmetric AOA Constraint. 2019 ,	
1081	Neural Adaptive Backstepping Control of a Robotic Manipulator With Prescribed Performance Constraint. 2019 , 30, 3572-3583	47
1080	Adaptive control of the TORA system with partial state constraint. 2019 , 41, 1172-1177	12
1079	Distributed Control of a Flexible Beam. 2019 , 113-125	
1078	Prescribed performance-barrier Lyapunov function for the adaptive control of unknown pure-feedback systems with full-state constraints. 2019 , 95, 2443-2459	9
1077	Active Vibration Control and Stability Analysis of Flexible Beam Systems. 2019 ,	6
1076	Observer-Based Adaptive Fuzzy Control for Time-Varying State Constrained Strict-Feedback Nonlinear Systems with Dead-Zone. 2019 , 21, 733-744	8
1075	Observer-based adaptive control for nonlinear strict-feedback stochastic systems with output constraints. 2019 , 29, 1515-1536	20
1074	Adaptive fuzzy decentralized control for a class of nonlinear systems with different performance constraints. 2019 , 374, 1-22	12
1073	Adaptive Fuzzy Control for Nontriangular Structural Stochastic Switched Nonlinear Systems With Full State Constraints. 2019 , 27, 1587-1601	232
1072	Adaptive reliable guaranteed performance control of uncertain nonlinear systems by using exponent-dependent barrier Lyapunov function. 2019 , 29, 1051-1062	18

1071	Adaptive control for a class of state-constrained high-order switched nonlinear systems with unstable subsystems. 2019 , 32, 91-105		15
1070	Integrated strapdown missile guidance and control based on neural network disturbance observer. 2019 , 84, 170-181		30
1069	Adaptive fuzzy dynamic surface control for uncertain nonlinear systems in pure-feedback form with input and state constraints using noisy measurements. 2019 , 50, 104-115		5
1068	Cooperative Prescribed Performance Tracking Control for Multiple High-Speed Trains in Moving Block Signaling System. 2019 , 20, 2740-2749		33
1067	Adaptive Neural Control of Underactuated Surface Vessels With Prescribed Performance Guarantees. 2019 , 30, 3686-3698		117
1066	Vision-based curved lane keeping control for intelligent vehicle highway system. 2019 , 233, 961-979		3
1065	Adaptive finite-time tracking control of full state constrained nonlinear systems with dead-zone. <i>Automatica</i> , 2019 , 100, 99-107	5-7	282
1064	Barrier Lyapunov function-based robust flight control for the ultra-low altitude airdrop under airflow disturbances. 2019 , 84, 375-386		14
1063	Fuzzy Adaptive Fault-Tolerant Control of Unknown Nonlinear Systems With Time-Varying Structure. 2019 , 27, 1904-1916		11
1062	Tracking control of nonlinear systems with improved performance via transformational approach. 2019 , 29, 1789-1806		3
1061	Adaptive Finite-Time NN Control for 3-DOF Active Suspension Systems With Displacement Constraints. 2019 , 7, 13577-13588		14
1060	Adaptive Fuzzy Containment Control of Nonlinear Strict-Feedback Systems With Full State Constraints. 2019 , 27, 2024-2038		49
1059	Adaptive neural dynamic surface control of MIMO pure-feedback nonlinear systems with output constraints. 2019 , 333, 101-109		14
1058	Neural Network Controller Design for a Class of Nonlinear Delayed Systems With Time-Varying Full-State Constraints. 2019 , 30, 2625-2636		104
1057	Backstepping Nussbaum gain dynamic surface control for a class of input and state constrained systems with actuator faults. 2019 , 482, 27-46		19
1056	Transverse function control with prescribed performance guarantees for underactuated marine surface vehicles. 2019 , 29, 1577-1596		27
1055	Improved prescribed performance control for nonaffine pure-feedback systems with input saturation. 2019 , 29, 1769-1788		20
1054	Finite-time Autonomous Shipboard Landing Control of a Helicopter with Time-varying Output Constraints. 2019 ,		

1053	Adaptive control for hypersonic vehicle with input saturation and state constraints. 2019 , 84, 107-119	24
1052	Asymmetric error-constrained path-following control of a stratospheric airship with disturbances and actuator saturation. 2019 , 119, 501-522	20
1051	Adaptive Neural Control of a Kinematically Redundant Exoskeleton Robot Using Brain-Machine Interfaces. 2019 , 30, 3558-3571	75
1050	Regional passivity for switched nonlinear systems and its application. 2019 , 86, 98-109	3
1049	A unified approach to finite-time stabilization of high-order nonlinear systems with and without an output constraint. 2019 , 29, 393-407	45
1048	Observer-Based Fuzzy Adaptive Hybrid Control for Nonlinear Systems with Output Constraint. 2019 , 43, 379-388	1
1047	Adaptive neural dynamic surface control for full state constrained stochastic nonlinear systems with unmodeled dynamics. 2019 , 356, 129-146	20
1046	Constrained Compliant Control for Space Robot Postcapturing Uncertain Target. 2019 , 32, 04018117	4
1045	Adaptive Fixed-Time Control for MIMO Nonlinear Systems With Asymmetric Output Constraints Using Universal Barrier Functions. 2019 , 64, 3046-3053	149
1044	Adaptive neural networks-based visual servoing control for manipulator with visibility constraint and dead-zone input. 2019 , 332, 44-55	11
1043	Trajectory tracking of constrained robotic systems via a hybrid control strategy. 2019 , 330, 188-195	24
1042	Adaptive neural network control of uncertain robotic manipulators with external disturbance and time-varying output constraints. 2019 , 323, 108-116	32
1041	Vehicle motion control under equality and inequality constraints: a diffeomorphism approach. 2019 , 95, 175-194	19
1040	A Simple Control Approach for Buck Converters With Current-Constrained Technique. 2019 , 27, 418-425	14
1039	. 2019 , 49, 2511-2518	22
1038	Finite-time tracking control for strict-feedback nonlinear systems with full state constraints. 2019 , 92, 1426-1433	43
1037	Attitude tracking control of a flexible spacecraft under angular velocity constraints. 2019 , 92, 1524-1540	3
1036	Nonlinear Robust Control of Antilock Braking Systems Assisted by Active Suspensions for Automobile. 2019 , 27, 1352-1359	23

1035	Neural Networks-Based Adaptive Control for Nonlinear State Constrained Systems With Input Delay. 2019 , 49, 1249-1258	164
1034	Set-theoretic model reference adaptive control with time-varying performance bounds. 2019 , 92, 2509-2520	19
1033	Barrier Lyapunov Function Based Learning Control of Hypersonic Flight Vehicle With AOA Constraint and Actuator Faults. 2019 , 49, 1047-1057	105
1032	An analysis and design for time-varying structures dynamical networks via state constraint impulsive control. 2019 , 92, 2820-2828	11
1031	Neuro-Adaptive Control With Given Performance Specifications for Strict Feedback Systems Under Full-State Constraints. 2019 , 30, 25-34	23
1030	. 2019 , 49, 1027-1038	23
1029	Prescribed Performance Tracking Control of a Class of Uncertain Pure-Feedback Nonlinear Systems With Input Saturation. 2020 , 50, 1733-1745	32
1028	Error-Driven Nonlinear Feedback Design for Fuzzy Adaptive Dynamic Surface Control of Nonlinear Systems With Prescribed Tracking Performance. 2020 , 50, 1013-1023	23
1027	Event-Triggered Adaptive Control of Saturated Nonlinear Systems With Time-Varying Partial State Constraints. 2020 , 50, 1485-1497	82
1026	A Learning-Based Hierarchical Control Scheme for an Exoskeleton Robot in Human-Robot Cooperative Manipulation. 2020 , 50, 112-125	32
1025	Fuzzy Adaptive Quantized Fault-Tolerant Control of Strict-Feedback Nonlinear Systems With Mismatched External Disturbances. 2020 , 50, 3424-3434	22
1024	Learning from neural control for non-affine systems with full state constraints using command filtering. 2020 , 93, 2392-2406	22
1023	Control of VTOL aircraft with position state constraints using the Barrier Lyapunov Function. 2020 , 22, 1221-1229	2
1022	Adaptive Fuzzy Control With High-Order Barrier Lyapunov Functions for High-Order Uncertain Nonlinear Systems With Full-State Constraints. 2020 , 50, 3424-3432	119
1021	A second-order slip model for constraint backstepping control of antilock braking system based on Burckhardt's model. 2020 , 40, 130-142	4
1020	Fast finite-time partial state feedback stabilization of high-order nonlinear systems with output constraint and dynamic uncertainties. 2020 , 357, 11189-11216	4
1019	Disturbance-observer-based adaptive fuzzy control for nonlinear state constrained systems with input saturation and input delay. 2020 , 392, 77-92	11
1018	Adaptive Fuzzy Control for High-Order Nonlinear Time-Delay Systems With Full-State Constraints and Input Saturation. 2020 , 28, 1652-1663	32

1017	Visual Servoing Controller Design Based on Barrier Lyapunov Function for a Picking System. 2020 , 605-617		
1016	Observer-Based Fuzzy Output-Feedback Control for Discrete-Time Strict-Feedback Nonlinear Systems With Stochastic Noises. 2020 , 50, 3766-3777		24
1015	Brain-Inspired Intelligence and Visual Perception. 2020 ,		7
1014	Adaptive Neural Network Learning Controller Design for a Class of Nonlinear Systems With Time-Varying State Constraints. 2020 , 31, 66-75		59
1013	Neural Cognitive Computing Mechanisms. 2020 , 69-103		
1012	Decentralised adaptive architectures for control of large-scale active/passive modular systems with stability and performance guarantees. 2020 , 93, 490-504		7
1011	Constrained dynamical systems, robust model reference adaptive control, and unreliable reference signals. 2020 , 93, 1039-1052		4
1010	Neuroadaptive Robotic Control Under Time-Varying Asymmetric Motion Constraints: A Feasibility-Condition-Free Approach. 2020 , 50, 15-24		41
1009	Robust observer-based controller design for state constrained uncertain systems: attractive ellipsoid method. 2020 , 93, 1397-1407		5
1008	Adaptive dynamic surface-based differential games for a class of pure-feedback nonlinear systems with output constraints. 2020 , 93, 1291-1302		4
1007	A new approach to stabilisation of a class of nonlinear systems with an output constraint. 2020 , 93, 1242-1250	18	
1006	Barrier Lyapunov Functions-Based Adaptive Fault Tolerant Control for Flexible Hypersonic Flight Vehicles With Full State Constraints. 2020 , 50, 3391-3400		30
1005	A simplified composite current-constrained control for permanent magnet synchronous motor speed-regulation system with time-varying disturbances. 2020 , 42, 374-385		5
1004	Fault-tolerant output-constrained control of unknown Euler-Lagrange systems with prescribed tracking accuracy. <i>Automatica</i> , 2020 , 111, 108606	5-7	38
1003	Event-triggered adaptive consensus for fuzzy output-constrained multi-agent systems with observers. 2020 , 357, 82-105		29
1002	Trajectory-Constrained Collective Circular Motion With Different Phase Arrangements. 2020 , 65, 2237-2244		3
1001	A unified approach to finite-time stabilization of high-order nonlinear systems with an asymmetric output constraint. <i>Automatica</i> , 2020 , 111, 108581	5-7	57
1000	Estimation of human impedance and motion intention for constrained human-robot interaction. 2020 , 390, 268-279		11

999	Dynamic backstepping control for pure-feedback non-linear systems. 2020 , 37, 674-697	3
998	Fuzzy Approximation-Based Adaptive Control of Nonlinear Uncertain State Constrained Systems With Time-Varying Delays. 2020 , 28, 1620-1630	29
997	Adaptive fault-tolerance control based finite-time backstepping for hypersonic flight vehicle with full state constraints. 2020 , 507, 53-66	19
996	Barrier Lyapunov function based adaptive finite-time control for hypersonic flight vehicles with state constraints. 2020 , 96, 163-176	33
995	A command governor approach to set-theoretic model reference adaptive control for enforcing partially adjustable performance guarantees. 2020 , 8, 675-689	1
994	Finite-time trajectory tracking control of unmanned surface vessel with error constraints and input saturations. 2020 , 357, 11472-11495	31
993	Reference Trajectory Reshaping Optimization and Control of Robotic Exoskeletons for Human-Robot Co-Manipulation. 2020 , 50, 3740-3751	28
992	Barrier Function-Based Adaptive Control for Uncertain Strict-Feedback Systems Within Predefined Neural Network Approximation Sets. 2020 , 31, 2942-2954	3
991	. 2020 , 56, 1406-1419	7
990	Full State Constrained Adaptive Fuzzy Control for Stochastic Nonlinear Switched Systems With Input Quantization. 2020 , 28, 645-657	18
989	State-Constrained Nonlinear L2-Gain Control. 2020 , 65, 771-777	1
988	Event-Triggered Adaptive Control for Uncertain Constrained Nonlinear Systems With Its Application. 2020 , 16, 3818-3827	25
987	Dual extended state observer-based backstepping control of electro-hydraulic servo systems with time-varying output constraints. 2020 , 42, 1070-1080	8
986	Command Filter-Based Adaptive NN Control for MIMO Nonlinear Systems With Full-State Constraints and Actuator Hysteresis. 2020 , 50, 2905-2915	130
985	Modelling and control of flexible guided lifting system with output constraints and unknown input hysteresis. 2020 , 26, 112-128	4
984	Sliding Mode Disturbance Observer-Based Robust Prescribed Performance Tracking Control for Research Reactor. 2020 , 15, 215-225	
983	Asymptotic tracking control for time-delay nonlinear systems with parametric uncertainties and full state constraints. 2020 , 98, 101-109	13
982	Robust Adaptive Fault-Tolerant Tracking Control for Nonaffine Stochastic Nonlinear Systems With Full-State Constraints. 2020 , 50, 3793-3805	39

981	Infinite horizon model predictive control tracking application to helicopters. 2020 , 98, 105675	10
980	Integrated guidance and control system design for laser beam riding missiles with relative position constraints. 2020 , 98, 105693	6
979	Fuzzy Adaptive Tracking Control for State Constraint Switched Stochastic Nonlinear Systems With Unstable Inverse Dynamics. 2020 , 1-13	5
978	Command filtering-based adaptive fuzzy control for permanent magnet synchronous motors with full-state constraints. 2020 , 518, 1-12	14
977	Constrained neural adaptive PID control for robot manipulators. 2020 , 357, 3907-3923	16
976	BLF-based adaptive DSC for a class of stochastic nonlinear systems of full state constraints with time delay and hysteresis input. 2020 , 386, 244-256	6
975	Adaptive optimal dynamic surface control of strict-feedback nonlinear systems with output constraints. 2020 , 30, 2059-2078	4
974	Control Lyapunov-Barrier function-based predictive control of nonlinear processes using machine learning modeling. 2020 , 134, 106706	10
973	Distributed adaptive output consensus tracking for high-order nonlinear time-varying multi-agent systems with output constraints and actuator faults. 2020 , 357, 1090-1117	8
972	Adaptive control of pure-feedback nonlinear systems with full-state time-varying constraints and unmodeled dynamics. 2020 , 34, 183-198	7
971	Adaptive Finite-Time Tracking Control for Continuous Stirred Tank Reactor With Time-Varying Output Constraint. 2020 , 1-6	1
970	Online barrier-actor-critic learning for H _∞ control with full-state constraints and input saturation. 2020 , 357, 3316-3344	26
969	Three-dimensional integrated guidance and control for strap-down missiles considering seeker's field-of-view angle constraint. 2020 , 42, 1097-1109	4
968	Filtering adaptive tracking controller for multivariable nonlinear systems subject to constraints using online optimization method. <i>Automatica</i> , 2020 , 113, 108689	5-7 10
967	A new approach to stabilization of high-order nonlinear systems with an asymmetric output constraint. 2020 , 30, 756-775	15
966	Adaptive output regulation for a class of nonlinear systems with guaranteed transient performance. 2020 , 42, 1180-1190	1
965	Adaptive Fuzzy Tracking Control for a Class of Strict-Feedback Nonlinear Systems With Time-Varying Input Delay and Full State Constraints. 2020 , 28, 3432-3441	51
964	Output-feedback stabilization for planar output-constrained switched nonlinear systems. 2020 , 30, 1819-1830	23

963	Asymptotic Stabilization of USVs With Actuator Dead-Zones and Yaw Constraints Based on Fixed-Time Disturbance Observer. 2020 , 69, 302-316			33
962	Observer-based adaptive neural tracking control for output-constrained switched MIMO nonstrict-feedback nonlinear systems with unknown dead zone. 2020 , 99, 1019-1036			63
961	Fast finite-time adaptive stabilization of high-order uncertain nonlinear systems with output constraint and zero dynamics. 2020 , 514, 571-586			12
960	Adaptive Neural Quantized Control of MIMO Nonlinear Systems Under Actuation Faults and Time-Varying Output Constraints. 2020 , 31, 3471-3481			12
959	Second-order sliding mode controller design with output constraint. <i>Automatica</i> , 2020 , 112, 108704	5-7		103
958	Motor Learning and Generalization Using Broad Learning Adaptive Neural Control. 2020 , 67, 8608-8617			65
957	Funnel Control of Uncertain High-Order Nonlinear Systems With Unknown Rational Powers. 2020 , 1-10			3
956	Adaptive Quantized Control of Output Feedback Nonlinear Systems With Input Unmodeled Dynamics Based on Backstepping and Small-Gain Method. 2020 , 1-12			6
955	Consensus control of output-constrained multiagent systems with unknown control directions under a directed graph. 2020 , 30, 1802-1818			11
954	Asymptotic Tracking Control of State-Constrained Nonlinear Systems With Time-Varying Powers. 2020 , PP,			3
953	A Compatible Control Scheme Integrated Common Operation with Active Safety Constraint for Nonlinear Systems. 2020 ,			
952	Robust Nonlinear Control Using Barrier Lyapunov Function Under Lateral Offset Error Constraint for Lateral Control of Autonomous Vehicles. 2020 , 1-7			3
951	Finite-Time Path Following Control of an Underactuated Marine Surface Vessel with Input and Output Constraints. 2020 , 10, 6447			4
950	Design of adaptive tracking controller using barrier functions for nonlinear systems with input saturation. 2020 , 357, 12555-12570			2
949	Barrier Lyapunov Function based Trajectory Tracking Controller for Autonomous Vehicles with Guaranteed Safety Bounds. 2020 ,			3
948	Adaptive tracking control of high-order nonlinear systems under asymmetric output constraint. <i>Automatica</i> , 2020 , 122, 109281	5-7		5
947	Distributed Consensus Control of Multiple UAVs in a Constrained Environment. 2020 ,			0
946	Vision-Based Fixed-Time Platoon Formation Control of Multi-Agent Systems. 2020 ,			

945	Fixed-Time Stabilization for a Class of Time-Varying Constrained Nonholonomic Systems. 2020 ,	
944	Almost fast finite-time adaptive tracking control for a class of full-state constrained pure-feedback nonlinear systems. 2020 , 30, 7517-7532	9
943	Barrier Lyapunov function based sliding mode control for Mars atmospheric entry trajectory tracking with input saturation constraint. 2020 , 106, 106213	5
942	Robust Control Design for Euler-Lagrange Systems with Output Constraints. 2020 , 53, 313-318	2
941	Observer-based tracking control for constrained nonlinear systems with mismatching disturbances and its application. 2020 , 30, 8485-8502	4
940	Robust control for a quadrotor aircraft with small overshoot and high-precision position tracking performance. 2020 , 357, 13386-13409	5
939	Adaptive Fuzzy Event-Triggered Control design for Nonlinear Systems With Full State Constraints. 2020 , 1-1	0
938	State constraints-based adaptive neural network control for switched nonlinear systems with unmodeled dynamics. 2020 , 30, 7835-7856	3
937	Barrier Lyapunov Function Based Controller Design for Euler-Lagrange Systems with Reduced Control Effort. 2020 , 53, 459-464	
936	Stabilization with guaranteed safety using Barrier Function and Control Lyapunov Function. 2020 , 357, 10472-10491	
935	Barrier Lyapunov function-based tracking control for stochastic nonlinear systems with full-state constraints and input saturation. 2020 , 357, 12414-12432	3
934	Removing feasibility conditions on practical preassigned finite-time tracking for state-constrained high-order nonlinear systems. 2020 , 1-9	1
933	Event-triggered adaptive prescribed performance control for a class of pure-feedback stochastic nonlinear systems with input saturation constraints. 2020 , 51, 2238-2257	8
932	Time-varying asymmetrical BLFs based adaptive finite-time neural control of nonlinear systems with full state constraints. 2020 , 1-9	10
931	Adaptive Fuzzy Control for Stochastic High-Order Nonlinear Systems With Output Constraints. 2020 , 1-1	12
930	Approximation-Based Adaptive Control of Constrained Uncertain Thermal Management Systems With Nonlinear Coolant Circuit Dynamics of PEMFCs. 2020 , 8, 83483-83494	4
929	Adaptive finite-time neural backstepping control for multi-input and multi-output state-constrained nonlinear systems using tangent-type nonlinear mapping. 2020 , 30, 5559-5578	5
928	Adaptive control for non-affine nonlinear systems with input saturation and output dead zone. 2020 , 386, 125506	5

927	Adaptive neural funnel control for a class of pure-feedback nonlinear systems with event-trigger strategy. 2020 , 51, 2307-2325		3
926	Barrier Function-Based Adaptive Neuro Network Sliding Mode Vibration Control for Flexible Double-Clamped Beams With Input Saturation. 2020 , 8, 125887-125898		6
925	Behavior Models of Emotion-Featured Robots: A Survey. 2020 , 100, 1031-1053		5
924	Adaptive vibration control for flexible satellite with output constraint and unknown control direction. 2020 , 357, 10600-10625		5
923	Nonlinear control method of electro-hydraulic system driving Two-DOF robot arm with output constraint. 2020 , 715, 012090		1
922	Disturbance Observer-Based Adaptive Neural Network Control of Marine Vessel Systems with Time-Varying Output Constraints. 2020 , 2020, 1-12		1
921	Barrier Lyapunov function-based adaptive asymptotic tracking of nonlinear systems with unknown virtual control coefficients. <i>Automatica</i> , 2020 , 121, 109181	5-7	28
920	Asymmetric integral barrier Lyapunov function-based adaptive tracking control considering full-state with input magnitude and rate constraint. 2020 , 357, 9709-9732		7
919	Iterative Learning Control for Robot Manipulators with Non-Repetitive Reference Trajectory, Iteration Varying Trial Lengths, and Asymmetric Output Constraints. 2020 ,		3
918	Barrier Lyapunov function and disturbance observer based omnidirectional robust gust response stabilization for multi-control-effectors aircraft. 2020 , 92, 777-799		
917	Adaptive Safety with Control Barrier Functions. 2020 ,		25
916	An approximate design of the prescribed performance control for uncertain discrete-time nonlinear strict-feedback systems. 2020 , 51, 2549-2562		2
915	Correct-by-Design Control Barrier Functions for Euler-Lagrange Systems with Input Constraints. 2020 ,		2
914	Adaptive fault tolerant control for hypersonic flight vehicle system with state constraints. 2020 , 357, 9351-9377		4
913	Continuous-Time Safe Learning with Temporal Logic Constraints in Adversarial Environments. 2020 ,		1
912	Fuzzy Approximation-Based Finite-Time Control for a Robot With Actuator Saturation Under Time-Varying Constraints of Work Space. 2021 , 51, 4873-4884		16
911	Hybrid threshold strategy-based adaptive tracking control for nonlinear stochastic systems with full-state constraints. 2020 , 30, 6189-6206		2
910	Removing Feasibility Conditions on Adaptive Neural Tracking Control of Nonlinear Time-Delay Systems With Time-Varying Powers, Input, and Full-State Constraints. 2020 , PP,		6

909	Adaptive Neural Dynamic Surface Output Feedback Control for Nonlinear Full States Constrained Systems. 2020 , 8, 131590-131600		3
908	Output-constrained fixed-time control for autonomous ship landing of helicopters. 2020 , 106, 221-232		4
907	Adaptive Control for Output-Constrained Nonlinear Systems with Input Delay. 2020 ,		0
906	Adaptive Sliding Mode Neural Network-Based Composite Control of Robot Manipulators for Trajectory Tracking. 2020 ,		
905	Fast finite-time adaptive stabilization of high-order uncertain nonlinear system with an asymmetric output constraint. <i>Automatica</i> , 2020 , 121, 109170	5-7	17
904	Safe Off-policy Reinforcement Learning Using Barrier Functions. 2020 ,		5
903	A constraint-separation principle in model predictive control. <i>Automatica</i> , 2020 , 121, 109190	5-7	1
902	Low-Cost Approximation-Based Adaptive Tracking Control of Output-Constrained Nonlinear Systems. 2021 , 32, 4890-4900		11
901	Vibration Suppression for Motor-Driven Uncertain Active Suspensions With Hard Constraints and Analysis of Energy Consumption. 2020 , 1-13		2
900	Filtering adaptive output feedback control for multivariable nonlinear systems with mismatched uncertainties and unmodeled dynamics. 2020 , 30, 8007-8028		1
899	Tracking Control of Quadrotor UAV with Input Delay. 2020 ,		1
898	Fixed-time SOSM controller design with output constraint. 2020 , 102, 1567-1583		26
897	Neural Network-Based Distributed Finite-Time Tracking Control of Uncertain Multi-Agent Systems With Full State Constraints. 2020 , 8, 174365-174374		5
896	Stabilization of Nonlinear Control-Affine Systems With Multiple State Constraints. 2020 , 8, 179735-179744		2
895	Time-Varying Asymmetric Barrier Lyapunov Function-Based Impact Angle Control Guidance Law With Field-of-View Constraint. 2020 , 8, 185346-185359		1
894	Consensus Control of Position-Constrained Multi-Agent Systems Without the Velocity Information of Neighbors. 2020 , 8, 184834-184840		
893	Finite Time Adaptive Neural Dynamic Surface Control of Nonstrict Feedback Nonlinear Systems Including Dead-Zone and Full State Restrictions. 2020 , 8, 186699-186709		0
892	Adaptive Online Data-Driven Tracking Control for Highly Flexible Aircrafts With Partial Observability. 2020 , 8, 192844-192856		2

891	Neural Control of Robot Manipulators With Trajectory Tracking Constraints and Input Saturation. 2021 , 32, 4231-4242	38
890	Distributed Finite-Time Tracking Control of Non-affine Pure-Feedback Multi-agent Systems with Full State Constraints. 2020 ,	
889	. 2020 , 8, 160315-160324	1
888	Non-singular Trajectory Tracking Control of a Pitch-Constrained Quad-Rotorcraft using Integral Barrier Lyapunov Function. 2020 ,	1
887	Acceleration Control Design for Turbofan Aero-engines Based on A Switching Control Strategy. 2020 ,	1
886	Asymptotic tracking control for uncertain strict-feedback nonlinear systems with delayed full-state constraints. 2020 , 30, 8174-8191	3
885	Observer-Based Adaptive Fuzzy Tracking Control for a Class of Strict-Feedback Systems with Event-Triggered Strategy and Tan-type Barrier Lyapunov Function. 2020 , 22, 2534-2545	1
884	Finite-Time Stabilization for p-Norm Stochastic Nonlinear Systems with Output Constraints. 2020 , 2020, 1-14	
883	Command filtered robust control of nonlinear systems with full-state time-varying constraints and disturbances rejection. 2020 , 101, 2325-2342	8
882	Adaptive asymptotical tracking funnel control for strict-feedback nonlinear systems with input quantization. 2020 ,	
881	Robust adaptive control of hypersonic flight vehicle with asymmetric AOA constraint. 2020 , 63, 1	4
880	Integral barrier Lyapunov function-based adaptive fuzzy output feedback control for nonlinear delayed systems with time-varying full-state constraints. 2020 , 34, 1677-1696	1
879	Prescribed-time Convergence with Input Constraints: A Control Lyapunov Function Based Approach. 2020 ,	3
878	Robust I&I Adaptive DSC with Disturbance Observer for Maglev System with Output Constraint*. 2020 ,	
877	Robust control for state constrained systems based on composite barrier Lyapunov functions. 2020 , 30, 7238-7254	0
876	State Barrier Avoidance Control Design Using a Diffeomorphic Transformation Based Method. 2020 ,	1
875	Robust Estimator-Based Safety Verification: A Vector Norm Approach. 2020 ,	
874	IBLF-Based Finite-Time Adaptive Fuzzy Output-Feedback Control for Uncertain MIMO Nonlinear State-Constrained Systems. 2020 , 1-1	10

873	Output feedback stabilization for a class of high-order planar systems with an asymmetric output constraint. 2020 , 30, 6994-7011	1
872	Performance-Guaranteed Fault-Tolerant Control for Uncertain Nonlinear Systems via Learning-Based Switching Scheme. 2021 , 32, 4138-4150	6
871	Fuzzy adaptive asymptotic tracking of uncertain nonlinear systems with full states constraints. 2020 , 51, 3550-3562	1
870	Adaptive sliding mode back-stepping control for hypersonic flight vehicle with state constraints and unmodeled disturbances. 2020 ,	
869	Finite-Time Trajectory Tracking Control of Output-Constrained Uncertain Quadrotor. 2020 , 8, 215603-215612	7
868	Dynamic surface control based on high-gain disturbance observer for electro-hydraulic systems with position/velocity constraints. 2020 , 095440622097826	3
867	Adaptive control of teleoperation systems with prescribed tracking performance: a BLF-based approach. 2020 , 1-11	2
866	Adaptive Fuzzy Containment Control for Multi-Agent Systems with State Constraints Using Unified Transformation Functions. 2020 , 1-1	10
865	Robust Hierarchical Adaptive Fuzzy Relative Motion Coordination for Feature Points of Two Rigid Bodies with Input and Output Constraints. 2020 , 1-1	1
864	Finite-Time Tracking Control for Nonstrict-Feedback State-Delayed Nonlinear Systems with Full-State Constraints and Unmodeled Dynamics. 2020 , 2020, 1-18	1
863	Backstepping Fuzzy Sliding Mode Control for the Antiskid Braking System of Unmanned Aerial Vehicles. 2020 , 9, 1731	6
862	Sideslip-Compensated Guidance-Based Adaptive Neural Control of Marine Surface Vessels. 2020 , PP,	2
861	Partial-State-Constrained Adaptive Intelligent Tracking Control of Nonlinear Nonstrict-Feedback Systems with Unmodeled Dynamics and Its Application. 2020 , 2020, 1-13	1
860	Extended filtered high-gain output feedback controller for a class of uncertain nonlinear systems subject to external disturbances. 2020 , 1-11	
859	Hybrid State Constraint Adaptive Disturbance Rejection Controller for a Mobile Worm Bio-Inspired Robot. 2020 , 25, 13	5
858	Adaptive fuzzy control for nontriangular form systems with time-varying full-state constraints. 2020 , 34, 919-936	3
857	Full State Constrained Stochastic Adaptive Integrated Guidance and Control for STT Missiles with Non-Affine Aerodynamic Characteristics. 2020 , 529, 42-58	6
856	Disturbance Observer-Based Fault-Tolerant Control for Robotic Systems With Guaranteed Prescribed Performance. 2020 ,	8

855	Adaptive Output Feedback Tracking Control for a Class of Nonlinear Time-Varying State Constrained Systems With Fuzzy Dead-Zone Input. 2020 , 1-1	9
854	Filtered adaptive constrained sampled-data output feedback control for uncertain multivariable nonlinear systems. 2020 , 1-18	0
853	A Safety-Certified Policy Iteration Algorithm for Control of Constrained Nonlinear Systems. 2020 , 4, 686-691	1
852	Extended filtering high-gain output feedback controller for a class of uncertain nonlinear systems subject to external disturbances. 2020 , 30, 4397-4417	1
851	Adaptive fuzzy voltage-based backstepping tracking control for uncertain robotic manipulators subject to partial state constraints and input delay. 2020 , 100, 2609-2634	11
850	Adaptive Fuzzy Asymptotic Tracking Control of State-Constrained High-Order Nonlinear Time-Delay Systems and Its Applications. 2020 ,	7
849	Impact Angle Control Guidance Law Considering the Seeker's Field-of-View Constraint Applied to Variable Speed Missiles. 2020 , 8, 100608-100619	0
848	Adaptive neural network finite-time tracking control of full state constrained pure feedback stochastic nonlinear systems. 2020 , 357, 6738-6759	6
847	Adaptive Fuzzy Finite-Time Tracking Control for Nonstrict Full States Constrained Nonlinear System With Coupled Dead-Zone Input. 2020 ,	6
846	Unit Sliding Mode Control for Disturbed Crowd Dynamics System Based on Integral Barrier Lyapunov Function. 2020 , 8, 91257-91264	6
845	Observer-based adaptive fuzzy controller for uncertain non-strict state-delayed nonlinear systems subject to input and output constraints. 2020 , 357, 7483-7514	4
844	Modified Line-of-Sight Guidance Law With Adaptive Neural Network Control of Underactuated Marine Vehicles With State and Input Constraints. 2020 , 28, 1902-1914	19
843	Adaptive Fuzzy Full-State and Output-Feedback Control for Uncertain Robots With Output Constraint. 2020 , 1-14	65
842	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. <i>Automatica</i> , 2020 , 119, 109102	5-7 35
841	Finite-Time Adaptive Fuzzy Tracking Control for a Class of Nonlinear Systems With Full-State Constraints. 2020 , 1-1	20
840	An adaptive dynamic surface control of output constrained stochastic nonlinear systems with unknown control directions. 2020 , 34, 1013-1034	0
839	Filtered adaptive constrained sampled-data control for uncertain multivariable nonlinear systems. 2020 , 34, 1162-1181	0
838	. 2020 , 1-1	61

837	Adaptive Tracking Control for Stochastic Nonlinear Systems with Full-State Constraints and Unknown Covariance Noise. 2020 , 385, 125397	11
836	System Transformation-Based Neural Control for Full-State-Constrained Pure-Feedback Systems via Disturbance Observer. 2020 , PP,	6
835	Distributed Tracking Control for Connectivity-Preserving and Collision-Avoiding Formation Tracking of Underactuated Surface Vessels with Input Saturation. 2020 , 10, 3372	8
834	Output-Constrained Robust Sliding Mode Based Nonlinear Active Suspension Control. 2020 , 67, 10652-10662	19
833	Neural network adaptive finite-time control of stochastic nonlinear systems with full state constraints. 2020 , 23, 1728	2
832	Adaptive tracking control for nonlinear time-delay systems with time-varying full state constraints. 2020 , 42, 2178-2190	7
831	Event-Triggered Adaptive Fuzzy Output-Feedback Control for Nonstrict-Feedback Nonlinear Systems With Asymmetric Output Constraint. 2020 ,	10
830	Adaptive neural network control for time-varying state constrained nonlinear stochastic systems with input saturation. 2020 , 527, 191-209	27
829	Safe reinforcement learning for dynamical games. 2020 , 30, 3706-3726	22
828	Adaptive tracking control of robot manipulators with input saturation and time-varying output constraints. 2020 , 23, 1476	4
827	Finite-time attitude stabilization of an output-constrained rigid spacecraft. 2020 , 17, 172988142090741	
826	Nonlinear robust neuro-adaptive flight control for hypersonic vehicles with state constraints. 2020 , 102, 104526	3
825	Safety-constrained robust adaptive control for a class of MIMO non-linear systems. 2020 , 14, 939-951	2
824	Robust Adaptive Output Feedback Control for a Class of Underactuated Aerial Vehicles with Input and Output Constraints. 2020 , 2020, 1-18	
823	Vibration control for nonlinear overhead crane bridge subject to actuator failures and output constraints. 2020 , 101, 419-438	4
822	Adaptive Fuzzy Control for Nontriangular Stochastic High-Order Nonlinear Systems Subject to Asymmetric Output Constraints. 2020 , PP,	21
821	Leader-following consensus control of position-constrained multiple Euler-Lagrange systems with unknown control directions. 2020 , 409, 208-216	7
820	Decentralized filtering adaptive constrained tracking control for interconnected nonlinear systems. 2020 , 30, 4652-4675	0

819	Adaptive event-triggered control for quadrotor aircraft with output constraints. 2020 , 105, 105935	12
818	Finite-Time Stabilization of High-Order Stochastic Nonlinear Systems With Asymmetric Output Constraints. 2020 , 1-13	14
817	Barrier Lyapunov Function Based Adaptive Cross Backstepping Control for Nonlinear Systems with Time-varying Partial State Constraints. 2020 , 18, 1771-1781	1
816	Adaptive finite-time neural control of non-strict feedback systems subject to output constraint, unknown control direction, and input nonlinearities. 2020 , 520, 271-291	14
815	Fuzzy Logic Control of an Uncertain Manipulator With Full-State Constraints and Disturbance Observer. 2020 , 8, 24284-24295	6
814	Adaptive quantized DSC of output-constrained uncertain nonlinear systems with quantized input and input unmodeled dynamics. 2020 , 357, 5199-5225	8
813	Adaptive finite-time fuzzy control of full-state constrained high-order nonlinear systems without feasibility conditions and its application. 2020 , 399, 86-95	7
812	Adaptive finite-time tracking control for output-constrained nonlinear systems with non-strict-feedback structure. 2020 , 34, 560-574	9
811	Asymptotic tracking control for constrained nonstrict-feedback MIMO nonlinear systems via parameter compensations. 2020 , 30, 3365-3381	6
810	Adaptive finite-time tracking control for robotic manipulators with funnel boundary. 2020 , 34, 575-589	6
809	Adaptive Neural Event-Triggered Control of MIMO Pure-Feedback Systems With Asymmetric Output Constraints and Unmodeled Dynamics. 2020 , 8, 37684-37696	8
808	Bipartite consensus control for fractional-order nonlinear multi-agent systems: An output constraint approach. 2020 , 397, 212-223	32
807	Adaptive Dynamic Surface Fuzzy Control for State Constrained Time-Delay Nonlinear Nonstrict Feedback Systems With Unknown Control Directions. 2020 , 1-12	8
806	Robust adaptive fault-tolerant quantized control of nonlinear systems with constraints on system behaviors and states. 2020 , 30, 3215-3233	4
805	Integral Barrier Lyapunov function-based adaptive control for switched nonlinear systems. 2020 , 63, 1	181
804	Neuroadaptive Fault-Tolerant Control Under Multiple Objective Constraints With Applications to Tire Production Systems. 2021 , 32, 3391-3400	3
803	A more general incremental inter-agent learning adaptive control for multiple identical processes in mass production. 2020 , 397, 70-93	1
802	Adaptive Tracking Control of State Constraint Systems Based on Differential Neural Networks: A Barrier Lyapunov Function Approach. 2020 , 31, 5390-5401	19

801	Trajectory tracking control of underactuated surface vessel with full state constraints. 2020 , 23, 1762		12
800	Adaptive Neural Tracking Control of Full-state Constrained Nonstrict-feedback Time-delay Systems with Input Saturation. 2020 , 18, 2048-2060		2
799	Adaptive trajectory tracking algorithm of unmanned surface vessel based on anti-windup compensator with full-state constraints. 2020 , 200, 106906		33
798	Adaptive control of unactuated dynamical systems through interconnections: Stability and performance guarantees. 2020 , 34, 484-502		1
797	Adaptive neural tracking control for non-affine nonlinear systems with finite-time output constraint. 2020 , 397, 60-69		6
796	Safe Intermittent Reinforcement Learning With Static and Dynamic Event Generators. 2020 , 31, 5441-5455		21
795	Integral terminal sliding mode control unified with UDE for output constrained tracking of mismatched uncertain non-linear systems. 2020 , 101, 1-9		7
794	Constrained adaptive backstepping control of a semi-active suspension considering suspension travel limits. 2020 , 23, 1380		3
793	Output feedback finite-time stabilization for high-order planar systems with an output constraint. <i>Automatica</i> , 2020 , 114, 108843	5:7	17
792	Removing Feasibility Conditions on Tracking Control of Full-State Constrained Nonlinear Systems With Time-Varying Powers. 2020 , 1-9		7
791	The Effective Chattering Suppression Technique with Adaptive Super-Twisted Sliding Mode Controller Based on the Quasi-Barrier Function; An Experimentation Setup. 2020 , 10, 595		5
790	Parametric adaptive control of single-rod electrohydraulic system with block-strict-feedback model. <i>Automatica</i> , 2020 , 113, 108807	5:7	22
789	Adaptive Fuzzy Tracking Control for a Class of Uncertain Switched Nonlinear Systems With Full-State Constraints and Input Saturations. 2020 , PP,		7
788	Adaptive neural network output feedback control for stochastic nonlinear systems with full state constraints. 2020 , 101, 60-68		37
787	Finite-Time Tracking Control for a Class of Uncertain Strict-Feedback Nonlinear Systems With State Constraints: A Smooth Control Approach. 2020 , 31, 4920-4932		30
786	Barrier Lyapunov functions-based fixed-time stabilization of nonholonomic systems with unmatched uncertainties and time-varying output constraints. 2020 , 99, 2835-2849		16
785	Simple adaptive trajectory tracking control of underactuated autonomous underwater vehicles under LOS range and angle constraints. 2020 , 14, 283-290		7
784	Finite-Time Backstepping of a Nonlinear System in Strict-Feedback Form: Proved by Bernoulli Inequality. 2020 , 8, 47768-47775		4

783	Adaptive Neural Tracking Control for a Class of Pure-Feedback Systems With Output Constraints Based on Event-Triggered Strategy. 2020 , 8, 61593-61603	0
782	Finite-time adaptive tracking control for unknown nonlinear systems with a novel barrier Lyapunov function. 2020 , 528, 231-245	17
781	Full state constraints-based adaptive tracking control for uncertain nonlinear stochastic systems with input saturation. 2020 , 357, 5125-5142	8
780	Adaptive neural optimal control of uncertain nonlinear systems with output constraints. 2020 , 406, 182-195	5
779	Impact Angle Control Guidance Law With Seeker's Field-of-View Constraint Based on Logarithm Barrier Lyapunov Function. 2020 , 8, 68268-68279	5
778	Barrier Function-Based Adaptive Super-Twisting Controller. 2020 , 65, 4928-4933	20
777	. 2020 , 17, 1937-1949	87
776	Eigenvalue assignment enabled control law for multivariable nonlinear systems with mismatched uncertainties. 2020 , 56, 154-166	8
775	Backstepping active disturbance rejection control for trajectory tracking of underactuated autonomous underwater vehicles with position error constraint. 2020 , 17, 172988142090963	14
774	Explicit Construction of Stabilizing Robust Avoidance Controllers for Linear Systems With Drift. 2021 , 66, 595-610	3
773	Observer-Based Finite-Time Adaptive Fuzzy Control for Nontriangular Nonlinear Systems With Full-State Constraints. 2021 , 51, 1110-1120	61
772	Performance Guaranteed Consensus Tracking Control of Nonlinear Multiagent Systems: A Finite-Time Function-Based Approach. 2021 , 32, 1536-1546	12
771	Collinear Mecanum Drive: Modeling, Analysis, Partial Feedback Linearization, and Nonlinear Control. 2021 , 37, 642-658	2
770	Efficient Learning for Selecting Important Nodes in Random Network. 2021 , 66, 1321-1328	2
769	High output tracking bumpless transfer control for switched linear systems. 2021 , 38, 159-176	1
768	Robust control of high-order nonlinear systems with unknown measurement sensitivity. 2021 , 64, 1	1
767	Barrier Lyapunov functions-based dynamic surface control with tracking error constraints for ammunition manipulator electro-hydraulic system. 2021 , 17, 836-845	3
766	A Novel Framework for Backstepping-Based Control of Discrete-Time Strict-Feedback Nonlinear Systems With Multiplicative Noises. 2021 , 66, 1484-1496	46

765	A neuroadaptive control method for pneumatic artificial muscle systems with hardware experiments. 2021 , 146, 106976	11
764	Adaptive Finite-Time Stabilization of Stochastic Nonlinear Systems Subject to Full-State Constraints and Input Saturation. 2021 , 66, 1306-1313	53
763	Adaptive Fuzzy Control for Nonstrict-Feedback Systems Under Asymmetric Time-Varying Full State Constraints Without Feasibility Condition. 2021 , 29, 976-985	12
762	. 2021 , 29, 1107-1120	6
761	Fuzzy Adaptive Event-Triggered Control for a Class of Uncertain Nonaffine Nonlinear Systems With Full State Constraints. 2021 , 29, 904-916	17
760	Continuous Control Set Model Predictive Current Control of a Microgrid-Connected PWM Inverter. 2021 , 36, 415-425	2
759	. 2021 , 29, 2388-2398	113
758	Chaos analysis and stability control of the MEMS resonator via the type-2 sequential FNN. 2021 , 27, 173-182	4
757	Leader-Follower Consensus of Unicycles With Communication Range Constraints via Smooth Time-Invariant Feedback. 2021 , 5, 737-742	1
756	Robust Adaptive Control for State-Constrained Nonlinear Systems With Input Saturation and Unknown Control Direction. 2021 , 51, 1192-1202	29
755	Stabilisation of high-order nonlinear systems with full-state constraints and input saturation. 2021 , 94, 999-1009	7
754	. 2021 , 51, 3136-3147	95
753	Adaptive NN Cross Backstepping Control for Nonlinear Systems With Partial Time-Varying State Constraints and Its Applications to Hyper-Chaotic Systems. 2021 , 51, 2821-2832	2
752	Adaptive Fuzzy Output Feedback Fault-Tolerant Compensation for Uncertain Nonlinear Systems With Infinite Number of Time-Varying Actuator Failures and Full-State Constraints. 2021 , 51, 568-578	21
751	State-Constraints Adaptive Backstepping Control for Active Magnetic Bearings With Parameters Nonstationarities and Uncertainties. 2021 , 68, 9822-9831	9
750	Command filtered finite-time control for nonlinear systems with state constraints and its application to TCP network. 2021 , 550, 189-206	6
749	Distributed finite-time output consensus tracking for a class of high-order nonlinear multiagent systems with the powers of positive odd rational numbers and output constraints. 2021 , 31, 358-379	1
748	Skill Learning Strategy Based on Dynamic Motion Primitives for HumanRobot Cooperative Manipulation. 2021 , 13, 105-117	9

747	Virtual guidance-based finite-time path-following control of underactuated autonomous airship with error constraints and uncertainties. 2021 , 235, 1246-1259	
746	Safe reinforcement learning: A control barrier function optimization approach. 2021 , 31, 1923-1940	16
745	Tracking-Based Control for Constrained Nonlinear Systems Under Parametric Uncertainties. 2021 , 68, 973-977	3
744	Action Governor for Discrete-Time Linear Systems With Non-Convex Constraints. 2021 , 5, 121-126	2
743	Adaptive Output Feedback Funnel Control of Uncertain Nonlinear Systems With Arbitrary Relative Degree. 2021 , 66, 2854-2860	9
742	Safety-Critical Event Triggered Control via Input-to-State Safe Barrier Functions. 2021 , 5, 749-754	3
741	Fuzzy approximation-based adaptive finite-time control for nonstrict feedback nonlinear systems with state constraints. 2021 , 548, 101-117	8
740	Switched safe tracking control design for unmanned autonomous helicopter with disturbances. 2021 , 39, 100979	5
739	Neuroadaptive fault-tolerant control of state constrained pure-feedback systems: A collective backstepping design. 2021 , 420, 90-97	3
738	Adaptive fuzzy controller design for dynamic positioning ship integrating prescribed performance. 2021 , 219, 107956	12
737	Event-triggered adaptive finite-time tracking control for full state constraints nonlinear systems with parameter uncertainties and given transient performance. 2021 , 108, 131-143	33
736	Neural network-based adaptive tracking control for switched nonlinear systems with prescribed performance: An average dwell time switching approach. 2021 , 435, 295-306	42
735	A Novel Robust Observer-Based Nonlinear Trajectory Tracking Control Strategy for Quadrotors. 2021 , 29, 1952-1963	8
734	State transformation-based adaptive tracking control for a class of nonlinear systems with time-varying state constraints. 2021 , 110, 129-137	3
733	Output feedback stabilization for planar switched nonlinear systems with asymmetric output constraints. 2021 , 40, 101005	5
732	Adaptive actuator failure compensation for a class of nonlinear systems with full state constraints. 2021 , 31, 1181-1207	0
731	A unified control approach to finite-time stabilization of SOSM dynamics subject to an output constraint. 2021 , 394, 125752	3
730	Safety-guaranteed adaptive neural motion control for a hovercraft with multiple constraints. 2021 , 220, 108401	3

729	Output tracker design for uncertain nonlinear sandwich systems with sandwiched dead-zone nonlinearity based on adaptive finite-time control. 2021 , 52, 596-611	3
728	Finite-time adaptive neural control for nonstrict-feedback stochastic nonlinear systems with input delay and output constraints. 2021 , 393, 125756	7
727	Robust tracking control design for Unicycle Mobile Robots with input saturation. 2021 , 107, 104676	7
726	Enhanced Trustworthiness and End User Acceptance of Conditionally Automated Vehicles in the Transition Period. 2021 ,	
725	A novel active fault-tolerant control for spacecrafts with full state constraints and input saturation. 2021 , 108, 106368	14
724	Command filtered adaptive neural tracking control of uncertain nonlinear time-delay systems with asymmetric time-varying full state constraints and actuator saturation. 2021 , 235, 1139-1153	2
723	Backstepping Sliding Mode Course Control for the Hovercraft With Yaw Rate Constraint and System Uncertainty. 2021 , 9, 1882-1895	1
722	Finite-time trajectory tracking control for a stratospheric airship with full-state constraint and disturbances. 2021 , 358, 1499-1528	7
721	Continuous sliding mode iterative learning control for output constrained MIMO nonlinear systems. 2021 , 556, 288-304	3
720	Preassigned finite-time attitude control for spacecraft based on time-varying barrier Lyapunov functions. 2021 , 108, 106331	7
719	Adaptive multi-dimensional Taylor network dynamic surface control for a class of strict-feedback uncertain nonlinear systems with unmodeled dynamics and output constraint. 2021 , 108, 35-47	3
718	Event-triggered adaptive prescribed performance control of uncertain nonlinear systems with unknown control directions. 2021 , 108, 121-130	12
717	Fuzzy Observer Constraint Based on Adaptive Control for Uncertain Nonlinear MIMO Systems With Time-Varying State Constraints. 2021 , 51, 1380-1389	20
716	. 2021 , 51, 4409-4416	9
715	Adaptive Neural Control Using Tangent Time-Varying BLFs for a Class of Uncertain Stochastic Nonlinear Systems With Full State Constraints. 2021 , 51, 1943-1953	27
714	Robust output-based controller design for enlarging the region of attraction of input saturated linear systems. 2021 , 23, 178-189	1
713	Adaptive Neural Network Control Design for Uncertain Nonstrict Feedback Nonlinear System With State Constraints. 2021 , 51, 3678-3686	5
712	Adaptive Neural-Network Control of MIMO Nonaffine Nonlinear Systems With Asymmetric Time-Varying State Constraints. 2021 , 51, 2042-2054	12

711	TABLF-based adaptive control for uncertain nonlinear systems with time-varying asymmetric full-state constraints. 2021 , 94, 1238-1246	14
710	A Unified Event-Triggered Control Approach for Uncertain Pure-Feedback Systems With or Without State Constraints. 2021 , 51, 1262-1271	23
709	A Novel Finite-Time Control for Nonstrict Feedback Saturated Nonlinear Systems With Tracking Error Constraint. 2021 , 51, 3968-3979	45
708	Platoon control design for unmanned surface vehicles subject to input delay. 2021 , 11, 1481	0
707	Adaptive Line-of-Sight Tracking Control for a Tractor-Trailer Vehicle System With Multiple Constraints. 2021 , 1-12	1
706	Fixed-Time Adaptive Fuzzy Control for Uncertain Nonstrict-Feedback Systems with Time-Varying Constraints and Input Saturations. 2021 , 1-1	10
705	Converse Barrier Functions via Lyapunov Functions. 2021 , 1-1	0
704	Barrier Lyapunov Function-Based Output Regulation Control of an Electromagnetic Micromirror With Transient Performance Constraint. 2021 , 1-12	1
703	IBLF-Based Adaptive Neural Control of State-Constrained Uncertain Stochastic Nonlinear Systems. 2021 , PP,	9
702	Event-Triggered Adaptive Neural Network Control for Stochastic Nonlinear Systems With State Constraints and Time-Varying Delays. 2021 , PP,	5
701	Adaptive Intelligent Controller Design-Based ISS Modular Approach for Uncertain Nonlinear Systems with Time-Varying Full State Constraints. 2021 , 1-1	2
700	. 2021 , 1-1	12
699	Adaptive Neural Safe Tracking Control Design for a Class of Uncertain Nonlinear Systems With Output Constraints and Disturbances. 2021 , PP,	3
698	Decentralized event-triggered adaptive control for interconnected nonlinear dynamics of constrained air supply and thermal management systems of PEMFCs. 2021 , 103, 791-808	1
697	Integral barrier Lyapunov functions-based integrated guidance and control design for strap-down missile with field-of-view constraint. 2021 , 43, 1464-1477	0
696	Observer-Based NN Control for Nonlinear Systems With Full-State Constraints and External Disturbances. 2021 , PP,	4
695	Asymmetrical Barrier Function-Based Adaptive Vibration Control for Nonlinear Flexible Cantilever Beam With Obstacle Restriction. 2021 , 1-1	0
694	High Order Control Barrier Functions. 2021 , 1-1	1

693	Fault-Tolerant Adaptive Fuzzy Tracking Control for Nonaffine Fractional-Order Full-State-Constrained MISO Systems With Actuator Failures. 2021 , PP,	7
692	Adaptive Finite-Time Tracking Control for Nonlinear Time-Varying Delay Systems With Full State Constraints and Input Saturation. 2021 , 9, 127883-127894	
691	Intelligent Motion Tracking Control of Vehicle Suspension Systems With Constraints via Neural Performance Analysis. 2021 , 1-8	0
690	Passivity-Based Control of Multiple Quad-Rotors Carrying a Cable-Suspended Payload. 2021 , 1-1	2
689	Adaptive Fuzzy SOSM Controller Design With Output Constraints. 2021 , 1-1	9
688	Stability Control of Autonomous Ground Vehicles Using Control-Dependent Barrier Functions. 2021 , 1-1	6
687	Adaptive control based on Barrier Lyapunov function for a class of full-state constrained stochastic nonlinear systems with dead-zone and unmodeled dynamics. 2021 , 43, 1936-1948	2
686	Adaptive Neural Network Control for a Class of Fractional-Order Nonstrict-Feedback Nonlinear Systems With Full-State Constraints and Input Saturation. 2021 , PP,	1
685	Event-Triggered Fuzzy Adaptive Leader-Following Tracking Control of Non-Affine Multi-Agent Systems with Finite-Time Output Constraint and Input Saturation. 2021 , 1-1	5
684	Adaptive Finite-Time Tracking Control of Nonholonomic Multirobot Formation Systems With Limited Field-of-View Sensors. 2021 , PP,	6
683	Further Results on Adaptive Practical Tracking for High-Order Nonlinear Systems With Full-State Constraints. 2021 , PP,	3
682	Full-State Constrained Adaptive Fuzzy Finite-Time Dynamic Surface Control for PMSM Drive Systems. 2021 , 23, 804-815	3
681	Adaptive Neural Network Control for Full-State Constrained Robotic Manipulator With Actuator Saturation and Time-Varying Delays. 2021 , PP,	5
680	Practical Prescribed Time Control of Euler-Lagrange Systems With Partial/Full State Constraints: A Settling Time Regulator-Based Approach. 2021 , PP,	2
679	Robust Control Framework for Lateral Dynamics of Autonomous Vehicle Using Barrier Lyapunov Function. 2021 , 1-1	2
678	Fault-Tolerant Adaptive Learning Control for Quadrotor UAVs With the Time-Varying CoG and Full-State Constraints. 2021 , 32, 5610-5622	2
677	Finite-time output feedback stabilization for a class of output-constrained planar switched systems. 2021 , 1-1	4
676	Asymptotic Stability With Guaranteed Safety for Switched Nonlinear Systems: A Multiple Barrier Functions Method. 2021 , 1-10	

675	Adaptive Fuzzy Control With Global Stability Guarantees for Unknown Strict-Feedback Systems Using Novel Integral Barrier Lyapunov Functions. 2021 , 1-13	0
674	Adaptive Fuzzy Fault Tolerant Control of Uncertain MIMO Nonlinear Systems With Output Constraints and Unknown Control Directions. 2021 , 1-1	6
673	Adaptive Control Barrier Functions. 2021 , 1-1	8
672	Prescribed Finite-Time Adaptive Neural Tracking Control for Nonlinear State-Constrained Systems: Barrier Function Approach. 2021 , PP,	4
671	Adaptive Stabilization of Uncertain Nonlinear Systems Under Output Constraint. 2021 , 1-10	0
670	Constrained Spatial Adaptive Iterative Learning Control for Trajectory Tracking of High Speed Train. 2021 , 1-9	5
669	Adaptive State-Feedback Shared Control for Constrained Uncertain Mechanical Systems. 2021 , 1-1	
668	Adaptive self-triggered control for a nonlinear uncertain system based on neural observer. 1-11	0
667	Event-triggered adaptive control for multiple high-speed trains with deception attacks in bottleneck sections. 2021 , 547, 470-481	7
666	Barrier Lyapunov Function-Based Adaptive Back-Stepping Control for Electronic Throttle Control System. 2021 , 9, 326	1
665	Nonlinear Ride Height Control of Active Air Suspension System with Output Constraints and Time-Varying Disturbances. 2021 , 21,	2
664	. 2021 , 8, 441-454	3
663	Observer-based Adaptive Fuzzy Control for Strict-feedback Nonlinear Systems with Prescribed Performance and Dead Zone. 2021 , 19, 1962-1975	2
662	Output constraints vibration control for a flexible aircraft wing with prescribed performance. 2021 , 52, 2241-2254	
661	Adaptive finite-time neural backstepping control for multiple-input multiple-output uncertain nonlinear systems with full state constraints. 2021 , 43, 2450-2460	1
660	. 2021 , 2, 71-82	3
659	Command Filtering and Barrier Lyapunov Function-Based Adaptive Control for PMSMs with Core Losses and All-State Restrictions. 2021 , 2021, 1-12	
658	Robust constrained trajectory tracking control for a PVTOL aircraft subject to external disturbances. 2021 , 52, 2617-2629	1

657	HOSM controller design with asymmetric output constraints. 2022 , 65, 1	21
656	Practical output consensus control of uncertain nonlinear multi-agent systems without using the higher-order states of neighbours. 2021 , 15, 1091-1103	2
655	Adaptive fuzzy finite-time quantized control for stochastic nonlinear systems with full state constraints. 2021 , 35, 727-747	0
654	Adaptive constraint control for flexible manipulator systems modeled by partial differential equations with dead-zone input. 2021 , 35, 1404-1416	0
653	Observer-Based Adaptive Fuzzy Tracking Control Using Integral Barrier Lyapunov Functionals for A Nonlinear System With Full State Constraints. 2021 , 8, 617-627	14
652	Adaptive tracking control of stochastic switched nonlinear systems with unknown dead-zone output. 2021 , 31, 4511-4530	0
651	Adaptive fuzzy neural network control for a space manipulator in the presence of output constraints and input nonlinearities. 2021 , 67, 1830-1843	15
650	Adaptive neural network consensus control of multi-robot systems with output constraints. 2021 ,	
649	Adaptive cross backstepping control for a class of nonstrict feedback nonlinear systems with partial state constraints. 2021 , 35, 915-940	0
648	Kalman Filter-Based Real-Time Implementable Optimization of the Fuel Efficiency of Solid Oxide Fuel Cells. 2021 , 3, 206-226	2
647	Adaptive finite-time consensus tracking control for nonlinear multiagent systems in nonstrict feedback form with full-state constraints. 2021 , 35, 1417-1436	1
646	Finite-time stabilization via output feedback for high-order planar systems subjected to an asymmetric output constraint. 2021 , 104, 2347-2361	1
645	Adaptive fuzzy tracking of switched nonstrict-feedback nonlinear systems with state constraints based on event-triggered mechanism. 2021 , 121, 30-30	1
644	Neural network-based asymptotic tracking control design for stochastic nonlinear systems. 1-14	3
643	Command filter-based adaptive prescribed performance tracking control for uncertain pure-feedback nonlinear systems with full-state time-varying constraints. 2021 , 31, 5312-5329	2
642	Non-singular terminal sliding-mode control for a manipulator robot using a barrier Lyapunov function. 2021 ,	10
641	Prescribed-time formation control of surface vessels with asymmetric constraints on LOS range and bearing angles. 2021 , 104, 3701	3
640	Safe Adaptive Trajectory Tracking Control of Robot for Human-Robot Interaction Using Barrier Function Transformation.	0

639	Adaptive fuzzy event-triggered control for nonstrict-feedback switched stochastic nonlinear systems with state constraints. 1-15	1
638	Modelling and neural adaptive vibration control for three-dimensional Timoshenko beam with output restrictions and external disturbances. 1-18	1
637	Real-Time Path Planning and Following of a Gliding Robotic Dolphin Within a Hierarchical Framework. 2021 , 70, 3243-3255	4
636	Super-twisting disturbance observerBased fuzzy adaptive finite-time control for a class of space unmanned systems with time-varying output constraints. 2021 , 235, 1583-1593	2
635	Adaptive decentralized control for large-scale nonlinear systems with finite-time output constraints by multi- dimensional Taylor network.	2
634	High Order Control Lyapunov-Barrier Functions for Temporal Logic Specifications. 2021 ,	0
633	Finite-time Stabilization for SOSM Dynamics Subject to Time-varying Output Constraint. 2021 ,	
632	Constrained Line-of-Sight Tracking Control of A Tractor-Trailer Mobile Robot System with Multiple Constraints. 2021 ,	1
631	Adaptive control of a class of stochastic nonlinear systems with full state constraints and input saturation using multi-dimensional Taylor network.	2
630	Observer-Based Adaptive Fuzzy Control for Intelligent Ship Autopilot with State Constraint*. 2021 ,	1
629	Adaptive neural output-feedback control for a class of output-constrained switched stochastic nonlinear systems. 1-13	0
628	Stabilization of planar switched systems with an output constraint via output feedback. 2021 ,	1
627	Integral-interval barrier Lyapunov function based control of switched systems with fuzzy saturation-deadzone. 2021 , 104, 3809	1
626	Terminal sliding mode velocity control of the electro-hydraulic actuator with lumped uncertainty. 1	1
625	Output-Bounded and RBFNN-Based Position Tracking and Adaptive Force Control for Security Tele-Surgery. 2021 , 17, 1-15	5
624	. 2021 ,	
623	Adaptive Tracking Control of Flexible Joint Manipulator with Output Constraints. 2021 ,	
622	Addressing Complex State Constraints in the Diffeomorphic Transformation Based Barrier Avoidance Control. 2021 ,	1

621	Rule-based optimal control for autonomous driving. 2021 ,	5
620	Desired model compensation-based position constrained control of robotic manipulators. 1-15	1
619	Chance Constraint Robust Control with Control Barrier Functions. 2021 ,	0
618	Barrier-Lyapunov -Function-Based Backstepping Adaptive Hybrid Force/Position Control for Manipulator with Force and Position Constraints. 2021 ,	0
617	Adaptive nonsingular fixed-time sliding mode control for uncertain robotic manipulators under actuator saturation. 2021 ,	7
616	Tracking control of state constrained fractional order nonlinear systems. 2021 ,	0
615	Adaptive Fault-Tolerant Control of Fixed-wing UAV Under Actuator Saturation and State Constraints. 2021 ,	1
614	Extended state observer-based adaptive prescribed performance control for a class of nonlinear systems with full-state constraints and uncertainties. 2021 , 105, 345-358	2
613	DMPs-based skill learning for redundant dual-arm robotic synchronized cooperative manipulation. 1	0
612	Adaptive finite-time tracking control for parameterized nonlinear systems with full state constraints. 2021 , 35, 1768-1788	1
611	Adaptive Fuzzy Output-Feedback Control Design for a Class of p-Norm Stochastic Nonlinear Systems With Output Constraints. 2021 , 68, 2626-2638	3
610	Adaptive Fuzzy Consensus Tracking Control for Nonlinear Multiagent Systems with Time-Varying Delays and Constraints. 2021 , 2021, 1-13	1
609	Fixed-time cooperative control for robotic manipulators with motion constraints using unified transformation function. 2021 , 31, 6826-6844	2
608	Formation control with collision avoidance for underactuated surface vehicles.	2
607	Design of high-order sliding mode controller under asymmetric output constraints. 2021 , 31, 7107-7124	0
606	. 2021 , 57, 1780-1792	20
605	A geometric framework for rigid body attitude estimation. <i>Automatica</i> , 2021 , 128, 109494	5.7 2
604	Fixed-Time Tracking Control of Wireless Power Transfer Systems with Disturbances and Current Constraints. 2021 , 218, 180-198	

603	Event-based adaptive fuzzy control design for nonstrict-feedback nonlinear time-delay systems with state constraints. 2021,	1
602	Fuzzy-based adaptive event-triggered control for switched stochastic nonlinear systems with state constraints.	0
601	Deep Learning Based Semi-Supervised Control for Vertical Security of Maglev Vehicle With Guaranteed Bounded Airgap. 2021, 22, 4431-4442	44
600	Adaptive NN finite-time tracking control for PMSM with full state constraints. 2021, 443, 213-221	4
599	Event-triggered adaptive output-feedback control for nonlinear state-constrained systems using tangent-type nonlinear mapping.	2
598	Decoupled reference governors: a constraint management technique for MIMO systems. 1-20	
597	Robust adaptive control of uncertain nonlinear systems with unmodeled dynamics using command filter. 2021, 31, 7764	2
596	Tracking Control for a Robotic Manipulator under Constraint Violation during Operation and Unknown Initial Conditions. 2021,	
595	Command filter-based adaptive neural finite-time control for stochastic nonlinear systems with time-varying full-state constraints and asymmetric input saturation. 1-23	19
594	Event-triggered adaptive approximately optimal tracking control of a class of non-affine SISO nonlinear systems via output feedback. 1-17	1
593	TSM-Based Adaptive Fuzzy Control of Robotic Manipulators with Output Constraints. 2021, 2021, 5812584	0
592	Adaptive tracking control of high-order MIMO nonlinear systems with prescribed performance. 2021, 22, 986-1001	1
591	Adaptive neural network asymptotic tracking control for a class of stochastic nonlinear systems with unknown control gains and full state constraints. 2021, 35, 2007	16
590	Event-triggered adaptive fuzzy control for switched nonlinear systems with state constraints. 2021, 562, 28-43	8
589	Stabilization of Delayed Boolean Control Networks With State Constraints: A Barrier Lyapunov Function Method. 2021, 68, 2553-2557	2
588	Fuzzy adaptive event-triggered control for a class of nonlinear systems with time-varying full state constraints. 2021, 563, 111-129	2
587	Adaptive Fuzzy Control for Nonlinear Systems in Nonstrict-Feedback Form with Full State Constraints: A Feasibility Condition Free Approach. 2021,	
586	Barrier Lyapunov function based adaptive region tracking control for underwater vehicles with thruster saturation and dead zone. 2021, 358, 5820-5844	4

585	Adaptive output feedback fault tolerant control for uncertain nonlinear systems based on actuator switching. 2021 , 358, 5722-5749		3
584	Time-varying IBLFs-based adaptive control of uncertain nonlinear systems with full state constraints. <i>Automatica</i> , 2021 , 129, 109595	5-7	52
583	Adaptive bias RBF neural network control for a robotic manipulator. 2021 , 447, 213-223		16
582	Barrier Lyapunov functions-based nonsingular fixed-time switching control for strict-feedback nonlinear dynamics with full state constraints. 2021 , 31, 7862		1
581	Event-Triggered Adaptive Fuzzy Tracking Control for Uncertain Nonlinear Systems with Time-Delay and State Constraints. 1		0
580	Command filtering-based adaptive control for chaotic permanent magnet synchronous motors considering practical considerations. 2021 , 114, 120-135		4
579	Prescribed Performance Control of Marine Surface Vessel Trajectory Tracking in Finite-Time with Full-State Constraints and Input Saturation. 2021 , 9, 866		1
578	Control of a downhole drilling system using an integral Barrier Lyapunov Function based method. 1-14		1
577	Fuzzy approximation-based adaptive control of nonstrict feedback stochastic nonlinear systems with time-varying state constraints. 2021 , 35, 2296		0
576	Adaptive trajectory tracking control of a free-flying space manipulator with guaranteed prescribed performance and actuator saturation. 2021 , 185, 283-298		8
575	Cooperative learning control of uncertain nonholonomic wheeled mobile robots with state constraints. 1		0
574	Event-triggered integral sliding mode controller for rigid spacecraft attitude tracking with angular velocity constraint. 1-15		1
573	Finite-time stabilization of high-order output-constrained switched systems via state feedback. 2021 , 403, 125935		1
572	Full state constraints and command filtering-based adaptive fuzzy control for permanent magnet synchronous motor stochastic systems. 2021 , 567, 298-311		3
571	Adaptive event-triggered control of pure-feedback systems with quantized input and unknown input delay.		1
570	Distributed control for output-constrained nonlinear multi-agent systems with completely unknown non-identical control directions. 2021 , 358, 8270-8270		2
569	Solution of matching equations of IDA-PBC by Pfaffian differential equations. 1-11		2
568	Robust Output Constrained Control for Uncertain Nonlinear Systems Subject to Magnitude and Rate Saturation: Application to Aircraft Engine. 2021 , 17, 6044-6053		1

567	Distributed fault-tolerant consensus tracking control for multiple Lagrangian systems with preset error bound constraints. 2021 , 358, 6994-7012		2
566	Adaptive synchronization of complex dynamic networks with switching parameters subject to state constraints in power system. 2021 , 358, 9243-9243		0
565	Prescribed performance control for MIMO stochastic discrete-time nonlinear systems in a strict-feedback form using a set of noisy measurements. 1-15		0
564	Observer-Based Adaptive Neural Output Feedback Constraint Controller Design for Switched Systems Under Average Dwell Time. 2021 , 68, 3901-3912		7
563	Adaptive prescribed performance control of nonlinear asymmetric input saturated systems with application to AUVs. 2021 , 358, 8330-8330		0
562	Iterative learning sliding mode control for output-constrained upper-limb exoskeleton with non-repetitive tasks. 2021 , 97, 366-380		5
561	Finite-time output feedback stabilization of planar switched systems with/without an output constraint. <i>Automatica</i> , 2021 , 131, 109728	5-7	7
560	Adaptive fault-tolerant control for stratospheric airships with full-state constraints, input saturation, and external disturbances. 2021 , 69, 701-701		1
559	Adaptive fuzzy control of mobile robots with full-state constraints and unknown longitudinal slipping. 1		1
558	Integral barrier Lyapunov function-based three-dimensional low-order integrated guidance and control design with seeker's field-of-view constraint. 2021 , 116, 106886		1
557	Adaptive feedforward RBF neural network control with the deterministic persistence of excitation. 1		0
556	Adaptive fuzzy asymptotic control for switched nonlinear systems with state constraints. 1-12		1
555	Predefined performance adaptive control of robotic manipulators with dynamic uncertainties and input saturation constraints. 2021 , 358, 7142-7169		1
554	Fully Automatic Operation Algorithm of Urban Rail Train Based on RBFNN Position Output Constrained Robust Adaptive Control. 2021 , 14, 264		1
553	Adaptive state-feedback stabilization of state-constrained stochastic high-order nonlinear systems. 2021 , 64, 1		5
552	Machine-learning-based construction of barrier functions and models for safe model predictive control. e17456		1
551	Adaptive neural backstepping control for flexible-joint robot manipulator with bounded torque inputs. 2021 , 458, 70-86		9
550	Adaptive fuzzy backstepping control for nonstrict feedback nonlinear systems with time-varying state constraints and backlash-like hysteresis. 2021 , 574, 606-624		5

549	Adaptive fuzzy control of uncertain stochastic nonlinear systems with full state constraints. 2021 , 574, 625-639	8
548	Differential neural network approximation of positive systems: An asymmetric barrier Lyapunov functions approach for learning laws design. 2021 , 457, 128-140	1
547	Hybrid Estimation Strategy-Based Anti-disturbance Control for Nonlinear Systems. 2021 , 66, 4910-4917	3
546	Second-order sliding mode controller design with mismatched term and time-varying output constraint. 2021 , 407, 126331	1
545	Fixed-time SOSM controller design subject to an asymmetric output constraint. 2021 , 358, 7485-7506	2
544	Barrier function-based adaptive neural network sliding mode control of autonomous surface vehicles. 2021 , 238, 109684	3
543	Control Aware of Limitations of Manipulators With Claw for Aerial Robots Imitating Bird's Skeleton. 2021 , 6, 6426-6433	3
542	Error-constrained fixed-time trajectory tracking control for a stratospheric airship with disturbances. 2021 , 118, 107055	0
541	Neural adaptive learning synchronization of second-order uncertain chaotic systems with prescribed performance guarantees. 2021 , 152, 111434	3
540	Composite adaptive dynamic programming for missile interception systems with multiple constraints and less sensor requirement. 2021 , 117, 40-53	1
539	. 2021 , 17, 7479-7488	30
538	Fixed-Time Formation Control of Unicycle-Type Mobile Robots With Visibility and Performance Constraints. 2021 , 68, 12615-12625	9
537	Finite-time control for quadrotor based on composite barrier Lyapunov function with system state constraints and actuator faults. 2021 , 119, 107063	0
536	Homogeneous constrained finite-time controller for double integrator systems: Analysis and experiment. <i>Automatica</i> , 2021 , 134, 109894	5-7 1
535	Output-feedback finite-time stabilization of a class of constrained planar systems. 2022 , 412, 126573	2
534	Unified adaptive event-triggered control of uncertain multi-input multi-output nonlinear systems with dynamic and static constraints. 2021 , 31, 2371-2392	4
533	Preliminaries. 2021 , 17-26	
532	High-order Barrier Functions: Robustness, Safety and Performance-Critical Control. 2021 , 1-1	6

531	Relative Threshold-Based Event-Triggered Control for Nonlinear Constrained Systems With Application to Aircraft Wing Rock Motion. 2021 , 1-1	8
530	Concurrent Learning-Based Adaptive Control of an Uncertain Robot Manipulator With Guaranteed Safety and Performance. 2021 , 1-15	4
529	Human-Robot Interaction Control for Robot Driven by Variable Stiffness Actuator With Force Self-Sensing. 2021 , 9, 6696-6705	7
528	Full-State-Constrained Non-Certainty-Equivalent Adaptive Control for Satellite Swarm Subject to Input Fault. 2021 , 1-14	3
527	Observer-Based Adaptive Fuzzy Control for Nonlinear State-Constrained Systems Without Involving Feasibility Conditions. 2021 , PP,	2
526	HOSM controller design with an output constraint and its application. 2021 , 116, 71-80	0
525	A Constrained DMPs Framework for Robot Skills Learning and Generalization from Human Demonstrations. 2021 , 1-1	6
524	Introduction. 2021 , 1-15	
523	Adaptive constraint control for nonlinear multi-agent systems with undirected graphs. 2021 , 6, 12051-12064	0
522	Adaptive Fuzzy Output-Feedback Control for Switched Uncertain Nonlinear Systems With Full-State Constraints. 2021 , PP,	15
521	. 2021 , 1-1	5
520	Barrier Function Based Consensus of High-Order Nonlinear Multi-agent Systems with State Constraints. 2019 , 492-503	2
519	Nonlinear Visual Servoing Control for VTOL UAVs with Field of View Constraint. 2015 , 531-548	3
518	Interval Methods for Robust Sliding Mode Control Synthesis of High-Temperature Fuel Cells with State and Input Constraints. 2016 , 53-85	4
517	Anti-disturbance constrained control of the air recovery carrier via an integral barrier Lyapunov function. 2020 , 106, 106157	9
516	Adaptive finite-time tracking control for time-varying output constrained non-linear systems with unmatched uncertainties. 2019 , 13, 2416-2424	6
515	State feedback stabilisation of switched non-linear systems with asymmetric output constraints. 2020 , 14, 1837-1844	4
514	Full state constraints control of switched complex networks based on time-varying barrier Lyapunov functions. 2020 , 14, 2419-2428	3

513	Adaptive neural network-based fault-tolerant trajectory-tracking control of unmanned surface vessels with input saturation and error constraints. 2020 , 14, 356-363	14
512	Safe Tracking Control of an Uncertain Euler-Lagrange System with Full-State Constraints using Barrier Functions. 2020 , 2020, 3310-3315	1
511	Adaptive Fuzzy Output-Constrained Control for Nonlinear Stochastic Systems With Input Delay and Unknown Control Coefficients. 2021 , 51, 5279-5290	10
510	Adaptive Leader-Follower Formation Control of Underactuated Surface Vehicles With Guaranteed Performance. 2020 , 1-12	9
509	Energy-saving technologies for construction machinery: a review of electro-hydraulic pump-valve coordinated system. 2020 , 21, 331-349	7
508	Computing Largest Tolerable Disturbance Sets. 2018 ,	1
507	Velocity Free Platoon Formation Control for Unmanned Surface Vehicles with Output Constraints and Model Uncertainties. 2020 , 10, 1118	4
506	Adaptive neural network control for marine surface vehicles platoon with input saturation and output constraints. 2020 , 5, 587-602	9
505	Adaptive Deformation Control of a Flexible Variable-Length Rotary Crane Arm With Asymmetric Input-Output Constraints. 2021 , PP,	3
504	Asymmetric Cooperation Control of Dual-Arm Exoskeletons Using Human Collaborative Manipulation Models. 2021 , PP,	2
503	Three-Dimensional Nonsingular Impact Time Guidance With Limited Field-of-View. 2021 , 1-12	3
502	Fixed-Time Path-Following Control of An Autonomous Vehicle with Path-Dependent Performance and Feasibility Constraints. 2021 , 1-1	1
501	Multirobot System Formation Control With Multiple Performance and Feasibility Constraints. 2021 , 1-8	0
500	A Drive-through Recharging Strategy for a Quadrotor. 2021 ,	1
499	Distributed Full-Consensus Control of Multi-Robot Systems with Range and Field-of-View Constraints. 2021 ,	
498	. 2021 ,	0
497	Constrained Image-Based Visual Servoing using Barrier Functions. 2021 ,	3
496	Adaptive Fuzzy Preassigned Finite-Time Tracking of High-Order Nonlinear Systems With Full-State Constraints. 2021 ,	

495 . 2021,

494 Distributed cooperative control of position-constrained nonlinear systems under a directed graph. 2021,

493 UDE-based Robust Control for a Class of Nonaffine Nonlinear Systems with Uncertainties and Output Constraint. 2021,

492 Preassigned Finite-Time Control of High-Order Nonlinear Systems with Time-Varying Powers and Full-State Constraints. 2021,

491 A Novel SOSM Control Method by Using Adaptive Fuzzy Technique. 2021,

490 An Associatively Recursive Dynamic Backstepping Control Design for Pure-Feedback Nonlinear Systems. 2021,

489 Concise leader-follower formation control of underactuated unmanned surface vehicle with output error constraints. 014233122110471 0

488 Robust Adaptive Fuzzy Control via State-Dependent Function for Nonlinear Stochastic Large-Scale Systems Subject to Dead Zones. 2021, 2021, 1-17

487 Fixed-time stability analysis and stabilization control of a class of nonlinear systems with output constraints. 0

486 Adaptive distributed tracking control for non-affine multi-agent systems with state constraints and dead-zone input. 2021, 359, 352-352 0

485 Prescribed Performance Control with Sliding-Mode Dynamic Surface for a Glue Pump Motor Based on Extended State Observers. 2021, 10, 282 3

484 Neural adaptive attitude tracking control for uncertain spacecraft with preassigned performance guarantees. 2021, 1

483 Intelligent synchronization of second-order chaotic systems with output constraints and input nonlinearities via neural adaptive control. 1

482 Adaptive Control of Aerial Refueling Boom with Displacement and Orientation Constraints. 2022, 107-115

481 Safety-Critical Optimal Control for Autonomous Systems. 2021, 34, 1723-1742 1

480 Neural network-based adaptive asymptotic tracking of nonstrict feedback nonlinear systems with state constraints. 1-11

479 Finite-time adaptive fuzzy control for a class of output constrained nonlinear systems with dead-zone. 0

478 Adaptive Neural Control and Modeling for Continuous Stirred Tank Reactor with Delays and Full State Constraints. 2021, 2021, 1-12 0

- 477 Compact robust FAT control of rigid robots with state constraints. **2021**, 106, 2401
- 476 Model reference safety-critical adaptive control for a class of nonlinearly parameterized systems.
- 475 Adaptive fuzzy control for uncertain nonlinear systems subject to full state constraints and actuator faults. **2021**, 581, 553-566 5
- 474 Adversarial Ground Target Tracking Using UAVs with Input Constraints. **2011**, 521-532
- 473 Preliminaries. **2014**, 15-22
- 472 Adaptive Neural Control for Output-Constrained Pure-Feedback Systems. **2014**, 20, 42-47
- 471 Adaptive Intelligent Control for Continuous Stirred Tank Reactor with Output Constraint. **2014**, 385-392
- 470 Installation System with Constraints. **2014**, 41-70
- 469 Interval-Based Sliding Mode Control for High-Temperature Fuel Cells Under Actuator Constraints. **2016**, 667-674
- 468 Neural Adaptive Dynamic Surface Control of Nonlinear Systems with Partially Constrained Tracking Errors and Input Saturation. **2017**, 20-27
- 467 Output feedback control for a class of output-constrained nonlinear systems. **2017**, 1
- 466 Adaptive Neural Control for Robotic Manipulators Under Constrained Task Space. **2018**, 599-608
- 465 Vibration Control of a Flexible Beam with Output Constraint. **2019**, 59-73
- 464 Adaptive Fault-Tolerant Control for Nonlinear Uncertain Electromechanical Systems with Full-State Time-Varying Constraints. **2019**, 08, 230-241
- 463 Reorientation Control for a Microsatellite with Pointing and Angular Velocity Constraints. **2019**, 717-726 0
- 462 Constrained Control for Strict Feedback Systems with Input Saturation. **2019**, 08, 102-116
- 461 Adaptive Fault-tolerant Controller for Hypersonic Flight Vehicle with State Constraints Using Integral Barrier Lyapunov Function. **2019**,
- 460 Tracking Control of a Single Link Manipulator with Actuator Dynamics under Output Constraints. **2019**,

459	Adaptive Neural Network Control of Uncertain Systems with Full State Constraints and Unknown Gain Sign. 2020 , 515-525		
458	Backstepping Sliding Approach for Controlling a Quadrotor Using Barrier Lyapunov Functions. 2019		0
457	Saturated Adaptive Backstepping Control for Uncertain Nonlinear Active Suspension Systems with Prescribed Performance. 2020 , 767-776		0
456	Removing Feasibility Conditions on Adaptive Fuzzy Control of State-Constrained High-Order Nonlinear Systems. 2020 ,		
455	Nonlinear control of passive vibratory systems with finite actuation stroke. <i>Automatica</i> , 2020 , 118, 1090137		1
454	Fixed-Time Fuzzy Adaptive Tracking Control for Output-Constrained Uncertain Nonlinear Systems in Nonstrict-Feedback Form. 1		0
453	Adaptive Approximation-Based Tracking Control for a Class of Unknown High-Order Nonlinear Systems With Unknown Powers. 2020 , PP,		0
452	Optimal Recursive Backstepping for Nonlinear Systems in a Strict-Feedback Form with Continuous and Intermittent Updates. 2020 ,		0
451	Reliable Sense-Plan-Act Approaches for TrustVehicles. 2021 , 69-85		
450	A Quadratic Program based Control Synthesis under Spatiotemporal Constraints and Non-vanishing Disturbances. 2020 ,		2
449	Adaptive asymptotic tracking control of constrained multi-input multi-output nonlinear systems via event-triggered strategy. 2021 , 31, 1479-1496		2
448	Active Disturbance Rejection Controller for a Flexible Walking Bioinspired Inchworm Mobile Robot Actuated With Shape Memory Alloy Devices. 2021 , 1-8		0
447	Sufficient conditions for feasibility of optimal control problems using Control Barrier Functions. <i>Automatica</i> , 2022 , 135, 109960	5-7	2
446	Disturbance observer-based backstepping formation control of multiple quadrotors with asymmetric output error constraints. 2022 , 415, 126693		0
445	ESO-based adaptive full state constraint control of uncertain systems and its application to hydraulic servo systems. 2022 , 167, 108560		2
444	Task-Priority Control of Redundant Robotic Systems using Control Lyapunov and Control Barrier Function based Quadratic Programs. 2020 , 53, 9037-9044		1
443	Integrated Strapdown Missile Guidance and Control With Field-of-View Constraint and Actuator Saturation. 2020 , 8, 123623-123638		1
442	Asymmetric Barrier Lyapunov Function based Practical Fixed-time Control of Vertical Take-off/ Vertical Landing Reusable Launch Vehicles with Partial State Constraints. 2020 , 53, 14845-14850		0

- 441 Zeroing Control Barrier Functions for Safe Volitional Pedaling in a Motorized Cycle. **2020**, 53, 218-223 2
- 440 Adaptive Full-State-Constrained Control of Nonlinear Systems With Deferred Constraints Based on Nonbarrier Lyapunov Function Method. **2020**, PP, 3
- 439 Introduction. **2020**, 1-16
- 438 Safe Curriculum Learning for Optimal Flight Control of Unmanned Aerial Vehicles with Uncertain System Dynamics. **2020**,
- 437 Finite-Time Fault-Tolerant Control for a Robotic Manipulator With Output Constraint and Uncertainties. **2021**, 9, 146771-146782 1
- 436 Robust Nonlinear Control Scheme for Electro-Hydraulic Force Tracking Control with Time-Varying Output Constraint. **2021**, 13, 2074 1
- 435 Event-triggered adaptive finite-time control for nonlinear systems under asymmetric time-varying state constraints. **2021**, 22, 1610 0
- 434 Nonlinear Impact Time Guidance with Constrained Field-of-View. **2020**, 1
- 433 Inverse Optimal Control with Set-Theoretic Barrier Lyapunov Function for Handling State Constraints. **2020**, 1
- 432 Computationally Inexpensive Robust Adaptive Control of Nonlinear Systems. **2020**,
- 431 Adaptive Neural Control of Uncertain MIMO Nonlinear Systems with Time-Varying Output Constraints. **2020**,
- 430 Neuro-adaptive tracking control for uncertain Euler-Lagrange systems with time-varying output constraints and obstacle avoidance. **2020**,
- 429 Multi-agent System Motion Planning under Temporal Logic Specifications and Control Barrier Function. **2020**,
- 428 Backstepping-Based Adaptive Neural Control of Constrained Nonlinear Systems. **2021**, 145-154
- 427 Robust output-regulation for uncertain linear systems with input saturation. **2020**, 14, 2372-2384 2
- 426 Lateral obstacle avoidance control based on driving behavior recognition of the preceding vehicles in adjacent lanes. **2020**, 68, 880-892 2
- 425 Barrier Lyapunov Function-Based Planetary Landing Guidance for Hazardous Terrains. **2021**, 1-11 0
- 424 Distributed Output Feedback Funnel Control for Uncertain Nonlinear Multi-Agent Systems. **2021**, 1-1 3

423	Observer-based adaptive neural control of robotic systems with prescribed performance. 2022 , 114, 108142	1
422	Fixed-time HOSM controller design for constrained sliding mode systems with mismatched terms. 2022 , 585, 366-381	0
421	Design of TCP/AQM congestion tracking controller with finite time and nonlinear disturbance observer. 2021 ,	
420	Active disturbance rejection speed control for unmanned electric vehicle system with mismatched uncertainty and generalized state constraint. 2021 ,	
419	Adaptive Fuzzy Command Filtering Control for Nonlinear MIMO State Constraints Systems. 2021 ,	
418	Design and Control of an Automated Cabin for Thermal Image Capture of Transtibial Residual Limbs. 2022 , 128-136	
417	Event-triggered adaptive neural asymptotic tracking of uncertain constrained nonlinear systems without feasibility condition.	
416	Sliding mode differentiator-based event-triggered control for state-constrained nonlinear systems with unknown virtual control coefficients. 1-15	1
415	Adaptive control of nonlinear time-delay systems in the presence of output constraints and actuators faults. 1-19	1
414	Adaptive neural output-feedback tracking control for a class of stochastic nonlinear systems with output constraint and unknown control coefficients. 2022 , 32, 1862	1
413	A historical perspective of adaptive control and learning. 2021 , 52, 18-18	3
412	Finite-time stabilization for a class of stochastic output-constrained systems by output feedback. 2022 , 32, 1256	0
411	Nussbaum gain adaptive neural asymptotic tracking of nonlinear systems with full-state constraints. 1-14	0
410	Robust Control of a Virtual Back-Assisted Orthosis Under Position Constraints. 2022 , 63-70	
409	Adaptive fuzzy control for uncertain switched discrete-time nonlinear systems in a pure-feedback form with state constraints. 1-16	
408	Semi-globally smooth control for VTVL reusable launch vehicle under actuator faults and attitude constraints. 2021 ,	0
407	Finite-time adaptive neural command filtered control for pure-feedback time-varying constrained nonlinear systems with actuator faults. 2021 ,	0
406	Barrier Lyapunov function-based robot control with an augmented neural network approximator. 2021 , ahead-of-print,	2

405	Command-Filter-Based Adaptive Fuzzy Finite-Time Output Feedback Control for State-Constrained Nonlinear Systems With Input Saturation. 2021 , 1-1		0
404	Adaptive Iterative Learning Control for Robot Manipulators With Time-Varying Parameters and Arbitrary Initial Errors. 2021 , 9, 166920-166931		0
403	Event-Based Finite-Time Control for High-Order Interconnected Nonlinear Systems with Asymmetric Output Constraints. 2021 , 1-1		1
402	Fuzzy Adaptive Constrained Consensus Tracking of High-Order Multi-agent Networks: A New Event-Triggered Mechanism. 2021 , 1-13		3
401	Adaptive State Safety Control Design for Uncertain Discrete-Time Nonlinear Systems. 2021 , 1-1		
400	Finite-Time Output Feedback Robust Controller Based on Tangent Barrier Lyapunov Function for Restricted State Space for Biped Robot. 2021 , 1-14		0
399	Adaptive fuzzy command filtering control for nonlinear MIMO systems with full state constraints and unknown control direction. 2022 ,		0
398	Multi-dimensional Taylor network-based control for a class of nonlinear stochastic systems with full state time-varying constraints and the finite-time output constraint.		
397	Stability control of a fixed full-wing layout UAV under manipulation constraints. 2022 , 120, 107263		2
396	Adaptive neural decentralised control for switched interconnected nonlinear systems with backlash-like hysteresis and output constraints. 1-17		13
395	Design of Event-Triggered State-Constrained Stabilizing Controllers for Nonlinear Control Systems. 2022 , 1-1		1
394	Practical prescribed time tracking control over infinite time interval involving mismatched uncertainties and non-vanishing disturbances. <i>Automatica</i> , 2022 , 136, 110050	5-7	4
393	Finite-time stabilization of output-constrained stochastic high-order nonlinear systems with high-order and low-order nonlinearities. <i>Automatica</i> , 2022 , 136, 110085	5-7	2
392	Adaptive neural network control for a hydraulic knee exoskeleton with valve deadband and output constraint based on nonlinear disturbance observer. 2022 , 473, 14-23		3
391	Task performance-based adaptive velocity assist-as-needed control for an upper limb exoskeleton. 2022 , 73, 103474		1
390	Command-filter-based adaptive neural tracking control for a class of nonlinear MIMO state-constrained systems with input delay and saturation.. 2021 , 147, 152-162		1
389	Research on Neutral Network Based Impact Angle Control Considering the Field-of-view Limitation. 2020 ,		
388	Attitude control of flexible anti-symmetric satellite with restricted tracking error. 2020 ,		

- 387 Robust Output-Constrained Control for Position Tracking of Piezoelectric Actuator Systems with Disturbances. **2020**,
- 386 Adaptive Neural Network Control of a Marine Surface Vessel with Output Constrains. **2020**,
- 385 Adaptive Neural Backstepping Control for a Class of Strict Feedback Nonlinear Full-State Constrained System with Sensor and Actuator Faults. **2020**,
- 384 Adaptive Neural Network Control in Bilateral Teleoperation Systems with Full-state Constraints. **2020**, ○
- 383 Adaptive Fuzzy Control for A Single-Link Flexible-Joint Robotic Manipulator with Output Constraint. **2020**,
- 382 Adaptive neural network control for a soft robotic manipulator. **2020**, 1
- 381 A novel adaptive fault-tolerant control for nonlinear systems with performance guarantees.
- 380 IBLF-Based Adaptive Finite-time Neural Backstepping Control of An Autonomous Airship With Full State Constraints. **2020**, ○
- 379 Adaptive finite-time control for pure-feedback systems under time-varying state constraints and actuator failures. **2020**,
- 378 Adaptive Fuzzy Finite-time Tracking Control for A Class of DC Motor with State Constraints. **2020**,
- 377 Tractable Compositions of Discrete-Time Control Barrier Functions with Application to Driving Safety Control. **2021**,
- 376 Transient-Robust Reference Governors: An Extension to Systems with Non-invertible Steady-State Mappings. **2021**,
- 375 Decoupling Levitation Control of Maglev Train Based on Backstepping Control. **2021**,
- 374 Adaptive Finite-Time Attitude Tracking Control of an Autonomous Airship with Full State Constraints and Uncertainties. **2022**, 2167-2177
- 373 Finite Settling Time Control of Nonlinear Systems in Presence of Matched Perturbations using Barrier Lyapunov Function. **2021**, ○
- 372 Barrier Lyapunov Function-Based Safe Reinforcement Learning Algorithm for Autonomous Vehicles with System Uncertainty. **2021**,
- 371 Safe Adaptive Dynamic Programming Method for Nonlinear Safety-Critical Systems with Disturbance. **2021**,
- 370 Model reference adaptive control of piecewise affine systems with state tracking performance guarantees.

- 369 Quantized Consensus Control for Multi-UAVs Based on Prescribed Performance. **2022**, 20, 321-333 0
- 368 Event-Based Adaptive Neural Control of Nonlinear Systems With Deferred Constraint. **2022**, 1-10 1
- 367 Adaptive barrier Lyapunov function-based obstacle avoidance control for an autonomous underwater vehicle with multiple static and moving obstacles. **2022**, 243, 110303 1
- 366 Set-Theoretic Barrier Lyapunov Function for Handling State Constraints and Uncertainties. **2022**, 1-10 1
- 365 Adaptive Prescribed Performance Asymptotic Tracking for High-Order Odd-Rational-Power Nonlinear Systems. **2022**, 1-1 2
- 364 Neural-network-state-observation-based adaptive inversion control method of maglev train. **2022**, 1-1 0
- 363 Asymmetric integral BLF based state-constrained flight control using NN and DOB. 1
- 362 Addressing Complex State Constraints in the Integral Barrier Lyapunov Function Based Adaptive Tracking Control. 1-0 1
- 361 Funnel-bounded synchronization control for bilateral teleoperation with asymmetric communication delays. **2022**, 107, 3641 0
- 360 Robust Consensus of High-Order Systems under Output Constraints: Application to Rendezvous of Underactuated UAVs. **2022**, 1-1 1
- 359 Adaptive finite-time stabilisation of output-constrained low-order uncertain nonlinear systems with time-varying powers. 1-13 1
- 358 Design of singularity-free fixed-time fault-tolerant control for HFVs with guaranteed asymmetric time-varying flight state constraints. **2022**, 120, 107270 0
- 357 Position Tracking Control of Fully-Actuated Underwater Vehicles with Constrained Attitude and Velocities. **2022**, 1-1 1
- 356 Prescribed-Time Stabilization of Uncertain Planar Nonlinear Systems With Output Constraints. **2022**, 1-1 1
- 355 Adaptive neural smooth finite-time controller for large-scale stochastic nonlinear state-constrained systems with feasibility removal and time delays. 1-18 1
- 354 Event-triggered adaptive NN control for MIMO switched nonlinear systems with non-ISpS unmodeled dynamics. **2022**, 359, 1457-1457 0
- 353 Adaptive fuzzy output feedback controller design for a HAGC system with input saturation and output error constraints. **2022**, 359, 2030-2030 0
- 352 ANN-based vibration control of an aerial refueling hose system with input nonlinearity and prescribed output constraints. **2022**, 1-10 1

351	Three-dimensional low-order finite-time integrated guidance and control design with side-window constraint. 2022 , 121, 107355		0
350	Modeling and switching adaptive control for nonlinear morphing aircraft considering actuator dynamics. 2022 , 122, 107349		1
349	Neural-networks-based adaptive asymptotic tracking control of MIMO stochastic non-strict-feedback nonlinear systems with full state constraints and unknown control gains. 2022 , 476, 137-150		0
348	Adaptive control of hypersonic vehicles with unknown dynamics based on dual network architecture. 2022 , 193, 197-208		0
347	On the Converse Safety Problem for Differential Inclusions: Solutions, Regularity, and Time-Varying Barrier Functions. 2022 , 1-1		
346	Fixed-Time Stabilization for a Class of Output-Constrained Nonlinear Systems. 2022 , 1-13		4
345	SDF-based tracking control for state-constrained nonholonomic systems with disturbances via relay switching control: Theory and experiment.		0
344	Full-state Constraints-based Neuroadaptive Finite-time Control for Induction Motor Drive Systems with Iron Losses. 2022 , 20, 637-647		1
343	Adaptive constrained control for automotive electronic throttle control system with experimental analysis. 2022 , 70, 192-204		
342	Small-gain theorem for safety verification of interconnected systems. <i>Automatica</i> , 2022 , 139, 110178	5.7	0
341	Adaptive dynamic programming for optimal control of discrete-time nonlinear system with state constraints based on control barrier function.		1
340	Fixed Settling Time Control for Self-Driving Car: Two-Timescales Approach. 2022 , 1-1		
339	Low-cost adaptive fuzzy neural prescribed performance control of strict-feedback systems considering full-state and input constraints. 2022 , 7, 8263-8289		
338	Safe and Stable RL (S2RL) Driving Policies Using Control Barrier and Control Lyapunov Functions. 2022 , 1-1		
337	Robust Iterative Learning Control for Pneumatic Muscle with Uncertainties and State Constraints. 2022 , 1-1		2
336	Sliding-Mode Control of Full-State Constraint Nonlinear Systems: A Barrier Lyapunov Function Approach. 2022 , 1-14		2
335	State-Feedback Stabilization for High-Order Output-Constrained Switched Nonlinear Systems. 2022 , 1-10		0
334	Prescribed performance attitude stabilization of a rigid body under physical limitations. 2022 , 1-1		0

333	Adaptive Actuator Fault-Tolerance Control of a Flexible Three-Dimensional Euler-Bernoulli Beam with Output Constraints. 2022 , 181-210	
332	Composite Learning Finite-Time Control of Robotic Systems with Output Constraints. 2022 , 1-1	0
331	Adaptive Auto-Berthing Control of Underactuated Vessel Based on Barrier Lyapunov Function. 2022 , 10, 279	1
330	Integrated design of adaptive fault-tolerant control for non-minimum phase hypersonic flight vehicle system with input saturation and state constraints. 095441002110579	0
329	Finite-time tracking for state-constrained strict-feedback systems without feasibility conditions.	
328	Observer-Based Adaptive Fuzzy Output Feedback Control for a Class of Fractional-Order Nonlinear Systems with Full-State Constraints. 2022 , 24, 1046	0
327	Event-triggered fuzzy control for nonlinear time-delay system with full-state constraints and unknown hysteresis. 2022 , 359, 1582-1611	0
326	Asymptotic tracking control for state-constrained strict-feedback systems with non-vanishing uncertainties.	
325	Hybrid neural network control for nonlinear continuous time systems with time delays and dead zone input.	2
324	Predefined-time tracking of nonlinear strict-feedback systems with time-varying output constraints. 2022 , 359, 3492-3492	
323	Nonlinear disturbance observer-based direct joint control for manipulation of a flexible payload with output constraints. 1-12	2
322	Event-triggered neural adaptive anti-disturbance control of nonlinear multi-agent systems with asymmetric constraints. 1-16	
321	Event-triggered adaptive decentralized control of stochastic nonlinear systems with strong interconnections and time-varying full-state constraints.	0
320	Distributed neuroadaptive monitoring fault-tolerant consensus control for nonlinear multi-agent systems with actuator faults.	0
319	Dynamic control for LNG carrier with output constraints. 2022 , 16, 729-740	3
318	Application of asymmetric barrier Lyapunov function using ADRC approach for development of autonomous vehicle lateral control. 107754632210754	
317	Event-triggered adaptive control of multi-agent systems with saturated input and partial state constraints. 2022 , 359, 3333-3333	0
316	Adaptive consensus control for output-constrained nonlinear multi-agent systems with actuator faults. 2022 , 359, 4216-4216	1

- 315 Event-trigger-based Neural Network Controller for Pure-feedback Nonlinear Systems with Full-state Constraints. **2022**, 20, 1226-1237 0
- 314 Gain Function-Based Visual Tracking Control for Inertial Stabilized Platform with Output Constraints and Disturbances. **2022**, 11, 1137
- 313 Error-constrained Coordinated Tracking Control for High-order Multiagent Systems Based on Barrier Lyapunov Function. **2022**, 20, 1238-1249
- 312 Observer-based region tracking control for underwater vehicles without velocity measurement. 1 1
- 311 Adaptive dynamic surface tracking control for uncertain full-state constrained nonlinear systems with disturbance compensation. **2022**, 359, 2424-2444 3
- 310 Pattern-based autonomous smooth switching control for constrained flexible joint manipulator. **2022**, 492, 162-173 0
- 309 Nonlinear Model Predictive Control of Shipboard Boom Cranes with Ship Roll Motion. **2021**, 0
- 308 Adaptive boundary control of an Euler-Bernoulli beam subject to unknown tip load. **2021**,
- 307 Robust Control for a Class of Nonlinear Systems Against Denial-of-Service Attacks. **2021**,
- 306 Task space adaptive neural tracking control for uncertain flexible-joint robot with output constraints. **2021**,
- 305 Command Filtered Control for Time-Delay Systems with Asymmetric Full State Constraints. **2021**,
- 304 Comparison of Stochastic and Interval-Based Modeling Approaches for the Online optimization of the Fuel Efficiency of SOFC Systems. **2021**,
- 303 BLF-based Adaptive Fuzzy DSC for a class of Uncertain Nonlinear Systems with Full State Constraints and Input Saturation using Disturbance Observer. **2021**, 0
- 302 Collective Circular Motion with Trajectory and Turn-Rate Constraints. **2021**,
- 301 Event-Triggered Safety-Critical Control for Systems with Unknown Dynamics. **2021**, 0
- 300 Adaptive neural control for stochastic nonholonomic systems with full-state constraints and unknown covariance noise. 1-20
- 299 Adaptive Path-Following Control of An Autonomous Vehicle with Path-Dependent Constraint Requirements. **2021**,
- 298 Adaptive Control Using Barrier Lyapunov Functions for Omnidirectional Mobile Robot with Time-Varying State Constraints. **2022**, 401-410

- 297 Asymptotic Stabilization of AMVs with Actuator Dead-Zones and Yaw Constraints. **2022**, 53-82
- 296 A Barrier Pair Method for Safe Human-Robot Shared Autonomy. **2021**,
- 295 High Precision Motion Control of Electro-Mechanical Launching Platform with Modeling Uncertainties: A New Integrated Error Constraint Asymptotic Design. **2021**, 10, 331
- 294 Distance-Constrained Formation Control of Multi-Agent Systems Using Asymmetric Barrier Lyapunov Function. **2021**, 0
- 293 Adaptive preassigned finite-time stability of nonlinear systems with time-varying powers and full-state constraints. **2022**, 32, 2200-2211 1
- 292 A Finite -Time Robust Control for a Manipulator with Output Constraints and Unknown Control Directions. **2020**, 0
- 291 Adaptive Neural Partial State Tracking Control for Full-State-Constrained Uncertain Singularly Perturbed Nonlinear Systems and Its Applications to Electric Circuit. **2022**, 11, 1209
- 290 Output feedback control of nonlinear cascaded systems with external disturbance and asymmetric constraints. 1 0
- 289 Neuroadaptive learning algorithm for constrained nonlinear systems with disturbance rejection. 9
- 288 Robust adaptive tracking control for input and state constrained uncertain nonlinear systems with unknown control directions. 1-14
- 287 Automated and Controlled System for Analysis of Residual Limbs Thermograms of Transtibial Amputees. **2022**, 12, 4170
- 286 Adaptive constrained antilock braking control under unknown time-varying slip-friction characteristics. 1
- 285 Robust Manoeuvring of Quadrotor under Full State Constraints. **2022**, 55, 32-37
- 284 Adaptive Event-Triggered Output Feedback Control for Nonlinear Switched Systems Based on Full State Constraints. **2022**, 1-1 1
- 283 Adaptive Finite-Time Fault-Tolerant Control of Uncertain Systems With Input Saturation. **2022**, 1-13 1
- 282 Quaternion Constrained Robust Attitude Control Using Barrier Lyapunov Function Based Back-stepping. **2022**, 55, 522-527 0
- 281 IBLF-based event-triggered adaptive learning control of nonlinear systems with full state constraints. 0
- 280 Displacement-Constrained Neural Network Control of Maglev Trains Based on a Multi-Mass-Point Model. **2022**, 15, 3110 0

279	Adaptive Cooperative Control of Multiple Urban Rail Trains with Position Output Constraints. 2022 , 15, 138	
278	Overview of the recent research progress for stability and control on random nonlinear systems. 2022 ,	2
277	Fuzzy Finite-Time Sliding Mode Control of Euler-Lagrange Systems with State/Error Constraints.	0
276	Finite-time state-feedback stabilization of high-order stochastic nonlinear systems with an asymmetric output constraint.	1
275	Fault-Tolerant Reduced-Attitude Control for Spacecraft Constrained Boresight Reorientation. 1-15	0
274	Event-based adaptive neural network asymptotic control design for nonstrict feedback nonlinear system with state constraints. 1	0
273	Active disturbance rejection control for hydraulic systems with full-state constraints and input saturation.	0
272	Adaptive actor-critic learning-based robust appointed-time attitude tracking control for uncertain rigid spacecrafts with performance and input constraints. 2022 ,	0
271	Neural network-based flight control systems: Present and future. 2022 ,	0
270	Fixed-time adaptive neural control for nonstrict-feedback uncertain nonlinear systems with output constraints.	0
269	Adaptive output feedback fault-tolerant control for nonlinear stochastic systems with output constraint.	
268	Fixed-time control under spatiotemporal and input constraints: A Quadratic Programming based approach. <i>Automatica</i> , 2022 , 141, 110314	5.7 0
267	Event-triggered adaptive consensus for stochastic multi-agent systems with saturated input and partial state constraints. 2022 , 603, 16-41	0
266	Adaptive neural network asymptotic control design for MIMO nonlinear systems based on event-triggered mechanism. 2022 , 603, 91-105	3
265	Adaptive Constrained Formation Tracking Control for A Tractor-Trailer Mobile Robot Team with Multiple Constraints. 2022 , 1-1	2
264	Adaptive Fuzzy Fixed Time Control for Pure-feedback Stochastic Nonlinear Systems with Full State Constraints. 2022 , 359, 4642-4642	0
263	Fuzzy Control of Nonlinear Strict-feedback Systems with Full-State Constraints: A New Barrier Function Approach. 2022 , 1-1	
262	Integral Reinforcement Learning for Tracking in a Class of Partially Unknown Linear Systems with Output Constraints and external disturbances. 2022 , 1-1	2

- 261 Adaptive neural output feedback finite-time command filtered backstepping control for nonlinear systems with full-state constraints.
- 260 Quantized feedback control of linear system with performance barrier.
- 259 Adaptive terminal sliding mode control of a regulated multidimensional electrospinning device for polymeric structures. 095965182210928
- 258 Adaptive control for full-states constrained nonlinear systems with unknown control direction using Barrier Lyapunov Functionals. 014233122210938 1
- 257 Robust backstepping sliding mode aircraft attitude and altitude control based on adaptive neural network using symmetric BLF. **2022**, 126, 107653 1
- 256 Barrier Lyapunov functions-based adaptive neural tracking control for non-strict feedback stochastic nonlinear systems with full-state constraints: A command filter approach. **2022**,
- 255 Accounting for current limitation and input saturation in adaptive nonlinear control of fuel cell power system. **2022**,
- 254 Partial-state Feedback Adaptive Stabilization for a Class of Output-constrained Nonlinear Cascaded Systems. **2022**, 359, 5412-5412
- 253 Adaptive Fixed-Time Neural Networks Control for Pure-Feedback Non-Affine Nonlinear Systems with State Constraints. **2022**, 24, 737
- 252 An Output Feedback Controller for a Second-Order System Subject to Asymmetric Output Constraint Based on Lyapunov Function with Unlimited Domain. **2022**, 10, 1855
- 251 Adaptive Multiple-Model Based Fault-Tolerant Control for Non-Minimum Phase Hypersonic Vehicles With Input Saturations and Error Constraints. **2022**, 1-23 0
- 250 Disturbance-Observer-Based Adaptive Fuzzy Tracking Control for Unmanned Autonomous Helicopter With Flight Boundary Constraints. **2022**, 1-15
- 249 Adaptive Control of Second-Order Safety-Critical Multiagent Systems with Nonlinear Dynamics. **2022**, 1-11
- 248 Prescribed Performance Adaptive Fuzzy Control for Affine Nonlinear Systems with State Constraints. **2022**, 1-1 0
- 247 Finite-Time Adaptive Fuzzy Event-Triggered Control of Constrained Nonlinear Systems Via Bounded Command Filter. **2022**, 1-12 1
- 246 Adaptive control-based barrier Lyapunov functions for strict-feedback stochastic nonlinear systems with input saturation and dead zone. 1-12
- 245 Finite-time extended state observer based prescribed performance fault tolerance control for spacecraft proximity operations. **2022**, 1
- 244 Adaptive multi-dimensional Taylor network tracking control for nonlinear systems with input saturation and full-state time-varying constraints.

243	Water Surface Flight Control of a Cross Domain Robot Based on an Adaptive and Robust Sliding Mode Barrier Control Algorithm. 2022 , 9, 332	
242	Development of autonomous vehicle lateral control using time-varying asymmetric barrier Lyapunov function via ADRC approach. 095965182211030	
241	Fast finite-time adaptive neural fault-tolerant tracking control for multi-input multi-output systems with full-state constraints.	
240	Adaptive Fuzzy Tracking Control for Input and Output Constrained Stochastic Nonlinear Systems: A NM-based Approach. 2022 ,	
239	Practical fixed-time bipartite consensus control for nonlinear multi-agent systems: A barrier Lyapunov function-based approach. 2022 , 607, 519-536	0
238	Prescribed performance dynamic surface control for nonlinear systems subject to partial and full state constraints. 2022 , 431, 127318	1
237	Diffeomorphism-Based Robust Bounded Control for Permanent Magnet Linear Synchronous Motor with Bounded Input and Position Constraints. 2022 , 1-12	
236	Extended-State-Observer-Based Adaptive Prescribed Performance Control for Hydraulic Systems With Full-State Constraints. 2022 , 1-11	2
235	Fuzzy Adaptive Finite-Time Tracking for Hypersonic Flight Vehicles Using Switching Event-Triggered Methodology. 2022 , 1-1	1
234	Barrier Lyapunov function-based fixed-time FTC for high-order nonlinear systems with predefined tracking accuracy.	0
233	Adaptive Human-Robot Collaboration Control Based on Optimal Admittance Parameters.	
232	Fuzzy-based adaptive control design for stochastic nonlinear time-delay systems via event-triggered mechanism.	0
231	Event-triggered adaptive tracking control for uncertain fractional-order nonstrict-feedback nonlinear systems via command filtering.	4
230	Efficient Removal of Lead and Chromium From Aqueous Media Using Selenium Based Nanocomposite Supported by Orange Peel. 10,	
229	Full State Constraints-based Adaptive Fuzzy Finite-time Command Filtered Control for Permanent Magnet Synchronous Motor Stochastic Systems.	1
228	Cross backstepping sliding mode control using integral barrier Lyapunov function for cross-strict feedback systems.	0
227	Adaptive vibration control for constrained moving vehicle-mounted nonlinear 3D rigid-flexible manipulator system subject to actuator failures. 107754632211132	1
226	A model reference adaptive control scheme of a high-order nonlinear helicopter subject to input and state constraints. 2022 ,	

- 225 Adaptive Event-Triggered Finite-Time Tracking of Output-Constrained High-Order Nonlinear Systems with Time-Varying Powers. **2022**, 2022, 1-15
- 224 Neural-network-based constrained optimal coordination for heterogeneous uncertain nonlinear multi-agent systems.
- 223 Reinforcement learning based adaptive optimal control for constrained nonlinear system via a novel state-dependent transformation. **2022**,
- 222 Adaptive fixed-time fuzzy control for output constrained nonlinear systems with unknown virtual control coefficients based on event-triggered mechanism.
- 221 Adaptive state-feedback stabilisation of output-constrained high-order nonlinear systems with iISS inverse dynamics. 1-10
- 220 Anti-saturation resilient control of cyber-physical systems under actuator attacks. **2022**, 608, 1245-1260 ○
- 219 Output feedback stabilization of stochastic planar nonlinear systems with output constraint. *Automatica*, **2022**, 143, 110471 5:7 ○
- 218 Formation tracking control for underactuated surface vehicles with actuator magnitude and rate saturations. **2022**, 260, 111935 1
- 217 Smooth converse Lyapunov-barrier theorems for asymptotic stability with safety constraints and reach-avoid-stay specifications. *Automatica*, **2022**, 144, 110478 5:7 ○
- 216 Finite-time state-feedback control for a class of stochastic constrained nonlinear systems. **2022**,
- 215 Low-Computation Tracking Control of Nonlinear Systems With Asymmetric Full-State Constraints and Unknown Control Directions. **2022**, 1-9 ○
- 214 Event-Triggered Adaptive Control for Practically Finite-Time Position-Constrained Tracking of Space Robot Manipulators. **2022**, 470-481
- 213 Integral Barrier Lyapunov Functions-Based Adaptive Control of Uncertain Nonlinear Systems with Unknown Control Directions and State Constraints. **2022**,
- 212 Design of Fixed-Time Extended State Observer for Spacecraft Attitude Tracking. **2022**,
- 211 Command filtering backstepping control of flexible multi-joint manipulator with output constraint and error compensation. **2022**,
- 210 Barrier Lyapunov-based Nonlinear Trajectory Following for Unmanned Aerial Vehicles with Constrained Motion. **2022**, ○
- 209 Tracking-in-Formation of Multiple Autonomous Marine Vehicles under Proximity and Collision-Avoidance Constraints. **2022**,
- 208 Adaptive Fault-Tolerant Tracking Control of Uncertain Nonlinear Systems with Event-Triggered Inputs and Full State Constraints.

207	Safe operation for teleoperated robotic manipulators with restricted synchronization error via non-singular terminal sliding-mode control. 2022,	0
206	Neural Adaptive Fixed-time Consensus Tracking for Multiple Euler-Lagrange Systems with Quantized Inputs.	
205	Constrained Optimal Control for Nonlinear Multi-Input Safety-Critical Systems with Time-Varying Safety Constraints. 2022, 10, 2744	
204	Asymptotic output tracking control with prescribed transient performance of nonlinear systems in the presence of unknown dynamics.	1
203	Finite-time congestion tracking control for TCP/AWM network systems employing event-triggered mechanism. 2022,	
202	Position Tracking Constrained Adaptive Output Feedback Control of Robotic Manipulators. 2022,	
201	Output feedback control for nonholonomic systems with nonvanishing disturbances and asymmetric time-varying constraints. 014233122211110	
200	Adaptive Finite-Time Command-Filtered Control for Switched Nonlinear Systems with Input Quantization and Output Constraints.	1
199	Generalized Triangle Guidance for Safeguarding Target Using Barrier Lyapunov Function. 1-9	
198	Command Filter Approximation-Based Finite-Time Fuzzy Control for Induction Motor with Full State Constraints.	
197	Tracking error constraint-based adaptive dynamic surface control of electro-hydraulic manipulator system. 2022, 44,	1
196	Adaptive Tracking Control for Fractional-Order Nonlinear Uncertain Systems with State Constraints via Command-Filtering and Disturbance Observer.	
195	Neural-based fixed-time attitude tracking control for space vehicle subject to constrained outputs. 2022,	1
194	Adaptive fixed-time fault-tolerant control of saturated MIMO nonlinear systems with time-varying state constraints.	0
193	Neural network-based safe optimal robust control for affine nonlinear systems with unmatched disturbances. 2022, 506, 228-239	
192	Finite-time composite learning control for trajectory tracking of dynamic positioning vessels. 2022, 262, 112288	0
191	Dynamic speed trajectory generation and tracking control for autonomous driving of intelligent high-speed trains combining with deep learning and backstepping control methods. 2022, 115, 105230	0
190	Design and adaptive control of a kinematically redundant robot with enhanced trajectory tracking for climbing in tight spaces. 2022, 177, 104994	1

- 189 Event-triggered adaptive neural command-filter-based dynamic surface control for state constrained nonlinear systems. **2022**, 434, 127440
- 188 On novel trajectory tracking control of quadrotor UAV: A finite-time guaranteed performance approach. **2022**, ○
- 187 Adaptive robust asymptotic tracking control of nonaffine nonlinear systems. ○
- 186 Prescribed-time adaptive neural feedback control for a class of nonlinear systems. **2022**, 511, 155-162 ○
- 185 A novel asymmetrical integral barrier Lyapunov function-based trajectory tracking control for hovercraft with multiple constraints. **2022**, 263, 112132 1
- 184 A novel Reference Governor approach for constraint management of nonlinear systems. **2022**, 146, 110554 ○
- 183 Safe-by-design control for Euler-Lagrange systems. **2022**, 146, 110620 ○
- 182 Prescribed-time tracking control for nonlinear systems with guaranteed performance. **2022**, 146, 110573 1
- 181 Adaptive Control for Uncertain Nonlinear Systems With Dynamic Full State Constraints: The SMDO Approach. **2022**, 1-13 ○
- 180 Adaptive Neural Control for Output Constrained Block-Structure Affine Nonlinear Systems via Command Filter. **2022**, 350-363 ○
- 179 A Robust Visual Servoing Controller for Anthropomorphic Manipulators With Field-of-View Constraints and Swivel-Angle Motion: Overcoming System Uncertainty and Improving Control Performance. **2022**, 2-12 ○
- 178 Slip Constrained Torque Controller Using Incremental Backstepping with Integral Barrier Lyapunov Function*. **2022**, 55, 83-88 ○
- 177 Consensus for Multiagent Systems Under Output Constraints and Unknown Control Directions. **2022**, 1-10 ○
- 176 Distributed Adaptive Fuzzy Containment Control for State-Constrained Multi-Agent Systems With Uncertain Leaders. **2022**, 1-13 ○
- 175 Prescribed Performance Control for Pure Feedback Nonlinear Systems with Full State Constraints. **2022**, 777-785 ○
- 174 Stability and Fast Transient Performance Oriented Motion Control of a Direct-Drive System With Modeling Uncertainties, Velocity, and Input Constraints. **2022**, 1-10 ○
- 173 Adaptive Fuzzy Fixed-Time Tracking Control for Nonlinear Systems with Time-Varying Full-State Constraints and Actuator Hysteresis. **2022**, 1-10 1
- 172 Adaptive Fault-Tolerant Tracking Control for Uncertain Nonlinear Systems With Unknown Control Directions and Limited Resolution. **2022**, 1-13 ○

171	Adaptive Learning Gain-Based Control for Nonlinear Systems With External Disturbances: Application to PMSM. 2022 , 1-8	0
170	Adaptive Robust Control for Nonlinear Mechanical Systems With Inequality Constraints and Uncertainties. 2022 , 1-12	0
169	An Adaptive Formation Control Architecture for A Team of Quadrotors with Performance and Safety Constraints. 2022 ,	0
168	Time-Varying Distance-Constrained Formation Maneuver Control With Guaranteed Prescribed Performance for Mobile Agents. 2022 ,	0
167	Constraint Management For Quadcopter Drones: Reference Governor-Based Approaches. 2022 ,	0
166	Attitude control of on-orbit capture spacecraft with angular velocity constraint. 2022 , 40, 636-644	0
165	Integrated Guidance and Control of Driftless Control-affine Systems with Control Constraints and State Exclusion Zones. 2022 ,	0
164	Adaptive Multi-Agent Control with Dynamic Obstacle Avoidance in a Limited Region. 2022 ,	0
163	Control Barrier Functions for Systems with Multiple Control Inputs. 2022 ,	0
162	Prescribed performance control of Euler-Lagrange systems with input saturation and output constraints.	0
161	IBLF-based adaptive finite-time control and modeling for continuous stirred tank reactor with output constraint. 2022 ,	0
160	A Sliding-Mode Fault Tolerant Control for Robotic Manipulators Based on Actuator Switching. 2022 ,	0
159	Impedance Iterative Learning Backstepping Control for Output-Constrained Multisection Continuum Arms Based on PMA. 2022 , 13, 1532	0
158	Adaptive predefined-time tracking control for high-order strict-feedback nonlinear systems with unknown mismatched disturbances.	0
157	Bounded distance control for Multi-UAV formation safety and preservation in target-tracking applications. 095441002211259	0
156	Predefined-time anti-saturation fault-tolerant attitude control for tailless aircraft with guaranteed output constraints.	1
155	Fixed-time stabilization of high-order nonlinear systems with an asymmetric output constraint.	0
154	Finite-time adaptive neural network command filtered controller design for nonlinear system with time-varying full-state constraints and input quantization. 2022 ,	0

153	Angle tracking control of integrated hydraulic transformer inner loop servo system. 2022,	1
152	Terminal sliding-mode disturbance observer-based finite-time adaptive-neural formation control of autonomous surface vessels under output constraints. 1-23	1
151	Adaptive Sliding-Mode Control for Perturbed Systems with Zero-Crossing Control Gains. 2022,	0
150	Adaptive neural optimal control via command filter for nonlinear multi-agent systems including time-varying output constraints.	1
149	Finite time adaptive filter control of nonlinear systems with actuator faults and state constraints.	0
148	Multiple bottleneck topology TCP/AQM switching network congestion control with input saturation and prescribed performance. 2022,	0
147	Funnel-based Adaptive Fuzzy Finite-Time Control for Non-affine Nonlinear Systems Preceded by Unknown Actuators. 2022,	0
146	Finite time adaptive learning for tracking control of constraint nonlinear systems via command filtered output feedback.	0
145	Finite-time dynamic surface control using a novel nonlinear filter for nonlinear systems with input saturation and output constraint. 1-12	0
144	Switched Safe Tracking Control of Chain Tensioning System With Multiple Disturbances and Kinematic Constraints. 2022, 1-13	0
143	Adaptive Neural Networks Control of Flexible-Joint Robots with Full-state Constraint: Dynamic Nonlinear Mapping Technique. 2022,	0
142	Lyapunov-Based Approach to Sampled-Data Set Stabilization of Constrained Boolean Control Networks. 2022,	0
141	Model reference adaptive control of unknown control gain and asymmetrical static output constraints. 2022,	0
140	The Finite-Time Stabilization of Nonlinear Systems with Output Constraint. 2022,	0
139	Adaptive Tracking Control for Partial State Constraints Nonlinear Systems With Dead-zone Input and Unknown Control Coefficients. 2022,	0
138	Safety-Critical Control of Nonlinear Systems via New Exponential Control Barrier Functions. 2022,	0
137	Adaptive Neural Control of Time-Varying Constrained Direct-Current Motor System with Input Saturation. 2022,	0
136	Error-Tracking Iterative Learning Control for the Constrained Flexible-Joint Manipulator with Initial Errors. 2022, 14, 12453	1

- 135 Estimator and command filtering-based neural network control for flexible-joint robotic manipulators driven by electricity. **2022**, 19, 172988062211271 ○
- 134 Finite-time command-filtered backstepping control for nonlinear systems with input delay and time-varying full-state constraints. 014233122211246 ○
- 133 Asymmetric Constrained Control of a Cervical Orthotic Device Based on Barrier Sliding Modes. **2022**, 12, 10286 ○
- 132 Fuzzy approximation-based adaptive tracking control for high-order nonlinear systems with asymmetric full-state constraints. 014233122211241 ○
- 131 Command-Filtered Adaptive Fuzzy Control for Switched MIMO Nonlinear Systems with Unknown Dead Zones and Full State Constraints. ○
- 130 Output feedback control with time-varying asymmetric constraints for nonlinear cascade systems. 1-9 ○
- 129 Fixed-Time Output-Constrained Synchronization of Unknown Chaotic Financial Systems Using Neural Learning. **2022**, 10, 3682 2
- 128 Improved off-policy reinforcement learning algorithm for robust control of unmodeled nonlinear system with asymmetric state constraints. ○
- 127 Finite-time non-smooth stabilization of cascade output-constrained switched systems. ○
- 126 Practical prescribed time control for state constrained systems with event-triggered strategy: Settling time regulator-based approach. ○
- 125 A Framework of Adaptive Fuzzy Control and Optimization for Nonlinear Systems with Output Constraints. **2022**, ○
- 124 Barrier Lyapunov function based fixed-time control for automatic carrier landing with disturbances. 095441002210960 ○
- 123 Distributed total-amount optimal coordinated control of multi-motors with input and output saturation. **2022**, ○
- 122 Semi-globally tracking control for uncertain non-affine self-restructuring systems with state constraints. ○
- 121 Finite-Time Tracking Control Based on Immersion and Invariance with Dynamically Scaling Factor for Agile Missiles. **2022**, 9, 674 ○
- 120 A bounded-mapping-based prescribed constraint tracking control method without initial condition. ○
- 119 PP-TABLF Based Adaptive Command Filter Control for Fully Actuated MSVs with Unknown Uncertainties and Multiple Constraints. ○
- 118 Advanced neural control technique for autonomous underwater vehicles using modified integral barrier Lyapunov function. **2022**, 266, 112842 ○

117	State Transformation Combined Adaptive Robust Control for Motor Driven Joint with State Constraints and Input Saturation. 2022 , 209, 1-11	0
116	Off-Policy Risk-Sensitive Reinforcement Learning-Based Constrained Robust Optimal Control. 2022 , 1-14	0
115	Finite-Time Output Control for Uncertain Robotic Manipulators with Time-Varying Output Constraints. 2022 , 1-1	0
114	Asymmetric Barrier Lyapunov Function Self Optimizing Control For Brushless DC Motor With Globalized Constrained Nelder-Mead Algorithm. 2022 , 55, 96-101	0
113	Safe exploration in model-based reinforcement learning using control barrier functions. 2023 , 147, 110684	0
112	Neural-network-based boundary control for a gantry crane system with unknown friction and output constraint. 2023 , 518, 271-281	0
111	Adaptive Control for Nonlinear MIMO Systems. 2022 ,	0
110	Synthesis of Recursive Control Barrier Functions. 2022 , 1-19	0
109	Unified neural output-constrained control for space manipulator using tan-type barrier Lyapunov function. 2022 ,	6
108	Optimizable Control Barrier Functions to Improve Feasibility and Add Behavior Diversity while Ensuring Safety. 2022 , 11, 3657	0
107	Distributed fuzzy adaptive event-triggered finite-time consensus tracking control for uncertain nonlinear multi-agent systems with asymmetric output constraint.	0
106	Nonlinear filtering-based output tracking error constraint control for permanent magnet synchronous motors with complete unknown coefficients.	0
105	Finite-time stabilization of output-constrained planar switched systems via output feedback.	0
104	Multi-Disturbance Observers-Based Nonlinear Control Scheme for Wire Rope Tension Control of Hoisting Systems with Backstepping. 2022 , 11, 321	1
103	Distributed consensus tracking control of nonlinear multi-agent systems with dynamic output constraints and input saturation. 2022 ,	0
102	Adaptive modified prescribed performance constraint control for uncertain nonlinear discrete-time systems. 2023 , 441, 127716	0
101	Fault Detection and Isolation for a Class of Uncertain Nonlinear Systems: A Dual-Monitoring Model-Based Approach. 2022 ,	0
100	Adaptive Neural Network Control of an Uncertain Nuclear Refueling Machine With Input Backlash and Asymmetric Output Constraint. 2022 , 10, 124387-124395	0

99	Observer-based adaptive fuzzy output feedback control for functional constraint systems with dead-zone input. 2022 , 20, 2628-2650	0
98	Robust adaptive finite-time tracking control for Intervention-AUV with input saturation and output constraints using high-order control barrier function. 2023 , 268, 113219	1
97	Fixed-time neural adaptive fault-tolerant control for space manipulator under output constraints. 2023 , 203, 483-494	0
96	Bounded Voltage Regulation in a Direct Current Microgrid using Barrier Lyapunov Function with Uncertain Load Current. 2022 , 1-1	0
95	Fast Finite-Time Event-Triggered Consensus Control for Uncertain Nonlinear Multiagent Systems With Full-State Constraints. 2022 , 1-10	1
94	Finite-Time Adaptive Fuzzy Control of Output Constrained Nonlinear Systems with Disturbance Observer. 2022 ,	0
93	Adaptive Fuzzy Control for State Constrained Pure-Feedback Nonlinear Systems with Input Nonlinearity. 2022 ,	0
92	Adaptive Fuzzy Dynamic Surface Control of State Constrained Nonlinear Systems with Actuators□ Saturation and Disturbances. 2022 ,	0
91	Prescribed-Time Practical Tracking Control of Output-Constrained Time-Delay Nonlinear Systems. 2022 ,	0
90	Adaptive finite-time control of multi-agent systems with partial state constraints and input saturation via event-triggered strategy.	0
89	Prescribed-time stabilization for high-order nonlinear systems with a pre-specified asymmetric output constraint. 2022 ,	0
88	Adaptive strategy with output constraints for multi-section web linkage system. 2022 ,	0
87	Command filter-based adaptive neural network controller design for uncertain nonsmooth nonlinear systems with output constraint.	0
86	Integral sliding-mode-based robust output-regulation for constrained and uncertain linear systems.	0
85	Adaptive neural fault-tolerant control for output-constrained attitude tracking of unmanned space vehicles. 014233122211352	0
84	Observer-based adaptive output-constrained control design of switched stochastic nonlinear systems with input saturation.	0
83	Adaptive fuzzy asymptotic control design for MIMO nonlinear systems with state constraints. 1-14	0
82	BLF-based Robust Navigation of Nonholonomic Mobile Robots Subject to Unmatched Disturbances. 2022 ,	0

81	Constrained Integrated Guidance and Control Scheme for Strap-Down Hypersonic Flight Vehicles with Partial Measurement and Unmatched Uncertainties. 2022 , 9, 840	1
80	Full state constrained command filtered output feedback control for the electro-hydraulic ammunition ramming system.	0
79	An adaptive time-varying barrier Lyapunov function-based attitude tracking control for spacecrafts without angular velocity measurement.	0
78	Adaptive fuzzy control for high-order nonlinear systems with time-varying full-state constraints and input saturation.	0
77	Event-triggered dynamic surface control for nonlinear system with constraints. 014233122211343	0
76	Finite-time adaptive fault-tolerant control for output-constrained interconnected systems with unknown control coefficients.	0
75	Prescribed Finite-Time Adaptive Fuzzy Control via Output Feedback for Output-constrained Nonlinear Systems.	0
74	A novel network-based controller design for a class of stochastic nonlinear systems with multiple faults and full state constraints. 1-0	0
73	Output feedback tracking control for nonholonomic wheeled mobile manipulator systems with full-output constraints. 095965182211414	0
72	Nonsingular fixed-time fault-tolerant attitude control for tailless flying wing aircraft with time-varying flight envelope constraints.	0
71	Decentralized adaptive neural safe tracking control for nonlinear systems with conflicted output constraints. 2023 ,	0
70	Prescribed Performance Dynamic Surface Control of Hydraulic-driven Barrel Servo System with Disturbance Compensation. 2023 , 21, 208-220	0
69	Projection and Barrier Lyapunov-Based Controller Update Laws in MRAC Structure for Flexible Satellite Launch Vehicles. 1-15	0
68	A new analysis approach to the output constraint and its application in high-order nonlinear systems. 2023 , 66,	0
67	Wind Turbine Crack Inspection Using a Quadrotor With Image Motion Blur Avoided. 2023 , 8, 1069-1076	0
66	Synchronization and balancing around simple closed polar curves with bounded trajectories. 2023 , 149, 110810	0
65	Adaptive Controller Based on Barrier Lyapunov Function for a Composite Cartesian-Delta Robotic Device for Precise Time-Varying Position Tracking. 2022 ,	0
64	First-order sliding mode control for second order systems with asymmetric constraints. 2022 ,	1

- 63 Time-varying Quaternion Constrained Attitude Control Using Barrier Lyapunov Function. **2022,** ○
- 62 Logic-based switching finite-time stabilization with applications in mechatronic systems. ○
- 61 Funnel Control Under Hard and Soft Output Constraints. **2022,** ○
- 60 Consensus of Open Multi-agent Systems over Dynamic Undirected Graphs with Preserved Connectivity and Collision Avoidance. **2022,** ○
- 59 Compatibility checking of multiple control barrier functions for input constrained systems. **2022,** ○
- 58 Fault tolerant control for actuator failures with application to a twin otter aircraft. **2022,** ○
- 57 State and Input Constrained Model Reference Adaptive Control. **2022,** ○
- 56 Deep hybrid model-based predictive control with guarantees on domain of applicability. ○
- 55 Finite-Time Adaptive Tracking Control for Uncertain Nonlinear Systems with Time-Varying State Constraints. **2022,** ○
- 54 Barrier Lyapunov Function-Based Fault-tolerant Adaptive Control for the Large Civil Aircraft Systems with Uncertainties and Faults. **2023,** 6400-6409 ○
- 53 Manoeuver planning, synchronized optimization and boundary motion control for autonomous vehicles under cut-in scenarios. ○
- 52 Barrier Lyapunov function-based adaptive neural control for hypersonic vehicle with full state constraints. ○
- 51 Adaptive tracking control of the quadrotor with state constraints and bounded disturbances. **2022,** ○
- 50 Time-Varying Barrier Lyapunov Functions Based Adaptive Backstepping Control for Active Magnetic Bearings with State Constraints. **2022,** ○
- 49 Decentralized Adaptive FTC of Interconnected Nonlinear Systems with Actuator Faults and Output Constraints. **2022,** ○
- 48 Adaptive fuzzy fixed-time congestion control for TCP/AWM networks. **2022,** ○
- 47 Adaptive multiple model control for nonlinear constrained systems with a novel barrier Lyapunov function. ○
- 46 Event-triggered adaptive optimal tracking control for nonlinear stochastic systems with dynamic state constraints. **2023,** ○

- 45 Adaptive control with multiple event-triggering settings under mismatched uncertainties in control and feedback paths. **2023**, 175, 105486 ○
- 44 Vibration suppression and boundary control for nonlinear flexible rotating manipulator in three-dimensional space subject to output restrictions. **2023**, 120, 107151 ○
- 43 Neural-adaptive specified-time constrained consensus tracking control of high-order nonlinear multi-agent systems with unknown control directions and actuator faults. **2023**, 538, 126168 ○
- 42 Robust neuro-adaptive attitude control for high-precision Sun-pointing on a halo orbit. **2023**, 207, 361-374 ○
- 41 Platoon formation control of autonomous underwater vehicles under LOS range and orientation angles constraints. **2023**, 271, 113674 ○
- 40 Adaptive finite-time fuzzy control for hybrid levitation system of maglev trains with active anti-lock constraints. **2023**, 360, 2635-2659 ○
- 39 Anti-Disturbance Control for Tethered Aircraft System With Deferred Output Constraints. **2023**, 10, 474-485 ○
- 38 Distributed control for spatially interconnected time-varying delay systems under input saturation. **2023**, 360, 3137-3161 ○
- 37 Tuning functions based adaptive backstepping control for uncertain strict-feedback nonlinear systems using barrier Lyapunov functions with full state constraints. **2023**, 70, 100783 ○
- 36 Impact angle controlled integrated guidance and control with input and state constraints. 1-15 ○
- 35 High-order control barrier functions-based optimization control for time-varying nonlinear systems with full-state constraints: A dynamic sub-safe set approach. **2023**, 33, 4490-4503 ○
- 34 Finite-time state feedback stabilization of strict-feedback switched systems with asymmetric output-constraints. **2023**, ○
- 33 Adaptive Backstepping Axial Position Tracking Control of Autonomous Undersea Vehicles with Deferred Output Constraint. **2023**, 13, 2219 ○
- 32 Output Regulation with Prescribed Performance Control of Switched Strict-feedback Systems. **2023**, 21, 829-836 ○
- 31 Appointed-time tracking control for uncertain nonstrict-feedback nonlinear systems with output constraint. **2022**, ○
- 30 Robust Adaptive Control for Nonlinear Strict-feedback Systems with Function Constraints on States. **2022**, ○
- 29 Attitude Stabilization of Quadrotor with bounded angular velocity and bounded control input. **2022**, ○
- 28 IBLFs-based adaptive fuzzy control for Continuous Stirred Tank Reactors with full state constraints and actuator faults. **2023**, 124, 14-24 ○

- 27 Quasi-synchronous control of uncertain multiple electrohydraulic systems with prescribed performance constraint and input saturation. **2023**, ○
- 26 Dual extended state observer-based prescribed performance control of output-constrained hydraulic-driven barrel pitching servo system. 095965182311536 ○
- 25 Finite-time velocity-free adaptive neural constrained cooperative control of Euler-Lagrange systems. 014233122311546 ○
- 24 A Survey on the Control Lyapunov Function and Control Barrier Function for Nonlinear-Affine Control Systems. **2023**, 10, 584-602 ○
- 23 Disturbance Observer-based Neural Network Integral Sliding Mode Control for a Constrained Flexible Joint Robotic Manipulator. **2023**, 21, 1243-1257 ○
- 22 Barrier Lyapunov function-based adaptive fuzzy control for general dynamic modeling of affine and non-affine systems. ○
- 21 Deterministic learning-based neural control for output-constrained strict-feedback nonlinear systems. **2023**, ○
- 20 BLF-based neural dynamic surface control for stochastic nonlinear systems with time delays and full-state constraints. 1-17 ○
- 19 Fixed-time neural control for output-constrained synchronization of second-order chaotic systems. **2023**, 169, 113284 ○
- 18 Balanced control between performance and saturation for constrained nonlinear systems. ○
- 17 Design of Adaptive Cruise Control with Control Barrier Function and Model-Free Control. ○
- 16 Decentralized direct adaptive fuzzy control scheme for state-constrained interconnected systems. **2023**, ○
- 15 Lyapunov-based sampled-data set stabilisation of boolean control networks with time delay and state constraint. 1-10 ○
- 14 Finite-time dynamic positioning control design for surface vessels with external disturbances, input saturation and error constraints. **2023**, 276, 114259 ○
- 13 Event-triggered finite-time control for a constrained robotic manipulator with flexible joints. ○
- 12 Neuroadaptive tracking control for uncertain pure-feedback systems under dynamic constraints. ○
- 11 Trajectory tracking control with state restricted gains for a magnetic pendulum using electromagnetic actuators. **2023**, ○
- 10 Observer-Based Adaptive Dynamic Surface Control of Time-Delayed Non-Strict Systems with Input Nonlinearities. **2023**, ○

- 9 Quaternion Constrained Structured Adaptive Attitude Control. **2022**, 55, 97-102 ○
- 8 Barrier Lyapunov Function based Impact Time Guidance with Field-of-View and Input Constraints. **2022**, 55, 412-417 ○
- 7 A refined anti-disturbance control method for gimbal servo systems subject to multiple disturbances under constraints. ○
- 6 Barrier Lyapunov Function-Based Finite-Time Dynamic Surface Control for Output-Constrained Nonstrict-Feedback Systems. **2023**, 36, 524-539 ○
- 5 Terminal sliding mode observer based dynamic surface quasi-synchronization control of multiple electro-hydraulic systems under compositive outputs constraint. ○
- 4 Adaptive neural network independent joint-based control for an ODE-PDE rigid-flexible manipulator with multiple constraints. 107754632311669 ○
- 3 Fixed-time adaptive neural network synchronization control for teleoperation system with position error constraints and time-varying delay. ○
- 2 Observer-based neural adaptive fixed-time tracking control for multi-input multi-output nonlinear systems with actuator faults. ○
- 1 Nonlinear feedback-based event-triggered output-feedback control for marine surface vehicles under deferred output constraints. **2023**, 454, 128084 ○