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Adaptive neural control of nonlinear time-delay systems with unknown virtual control coefficients

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#	Paper	IF	Citations
561	Robust adaptive control of nonlinear systems with unknown time delays.		2
560	Direct adaptive neural control of nonlinear systems with unknown gain sign.		
559	Adaptive state feedback control for a class of stochastic nonlinear systems. <b>2004,</b>		
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361	Adaptive robust backstepping control for a class of uncertain dynamical systems using neural networks. <b>2015</b> , 81, 1597-1610		26
360	Adaptive control of nonlinear systems with time delays via backstepping method. <b>2015</b> ,		
359	Adaptive neural network dynamic surface control of hypersonic vehicle. <b>2015</b> ,		
358	Global adaptive neural control for strict-feedback time-delay systems with predefined output accuracy. <b>2015</b> , 301, 27-43		67
357	Globally Stable Adaptive Backstepping Neural Network Control for Uncertain Strict-Feedback Systems With Tracking Accuracy Known a Priori. <b>2015</b> , 26, 1842-54		140
356	Decentralized adaptive control of nonlinear large-scale pure-feedback interconnected systems with time-varying delays. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2015</b> , 29, 24-40	2.8	8
355	Adaptive neural control with intercepted adaptation for time-delay saturated nonlinear systems. <b>2015</b> , 26, 1849-1857		11
354	Decentralized adaptive neural output feedback control of a class of large-scale time-delay systems with input saturation. <b>2015</b> , 352, 2129-2151		50
353	Adaptive dynamic surface control of NSVs with input saturation using a disturbance observer. <b>2015</b> , 28, 853-864		56
352	Decentralised fault compensation of time-delayed interactions and dead-zone actuators for a class of large-scale non-linear systems. <b>2015</b> , 9, 1461-1471		9
351	Adaptive compensation for actuator failure in a class of non-linear time-delay systems. <b>2015</b> , 9, 710-722		17
350	Adaptive control of robotic systems with unknown actuator nonlinearities and control directions. <b>2015</b> , 81, 1289-1300		26
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348	Adaptive Neural Network Dynamic Surface Control for a Class of Time-Delay Nonlinear Systems With Hysteresis Inputs and Dynamic Uncertainties. <b>2015</b> , 26, 2844-60		49
347	Fuzzy adaptive output feedback DSC design for SISO nonlinear stochastic systems with unknown control directions and dead-zones. <i>Neurocomputing</i> , <b>2015</b> , 167, 187-194	5.4	14

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345	Adaptive Visual Tracking Control for Manipulator With Actuator Fuzzy Dead-Zone Constraint and Unmodeled Dynamic. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2015</b> , 45, 1301-1312	7.3	79
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343	Adaptive neural network control for a class of non-strict-feedback nonlinear systems. <b>2015</b> ,		
342	Observer-based direct adaptive fuzzy control for single-input single-output non-linear systems with unknown gain sign. <b>2015</b> , 9, 2506-2513		13
341	Distributed adaptive consensus control of heterogeneous multi-agent chaotic systems with unknown time delays. <b>2015</b> , 9, 2414-2422		23
340	Neural-networked adaptive tracking control for switched nonlinear pure-feedback systems under arbitrary switching. <b>2015</b> , 61, 119-125		129
339	Adaptive dynamic surface control of a class of nonlinear systems with unknown direction control gains and input saturation. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 728-41	10.2	147
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337	Adaptive Tracking Control for A Class of Nonlinear Systems With a Fuzzy Dead-Zone Input. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2015</b> , 23, 193-204	8.3	107
336	Fuzzy adaptive control of nonlinear uncertain plants with unknown dead zone output. <b>2015</b> , 263, 27-48		61
335	Observer-based fuzzy adaptive control for multi-input multi-output nonlinear systems with a nonsymmetric control gain matrix and unknown control direction. <b>2015</b> , 263, 1-26		42
334	Consensus-based distributed cooperative learning from closed-loop neural control systems. <b>2015</b> , 26, 331-45		56
333	Adaptive neural control for dual-arm coordination of humanoid robot with unknown nonlinearities in output mechanism. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 521-32	10.2	89
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329	Reduced-order observer-based output feedback control of nonlinear time-delay systems with prescribed performance. <b>2016</b> , 47, 1384-1393		12

328	An Adaptive Dynamic Surface Controller for Ultralow Altitude Airdrop Flight Path Angle with Actuator Input Nonlinearity. <b>2016</b> , 2016, 1-9		3
327	Adaptive non-backstepping neural control for a class of uncertain nonlinear systems with unknown time-delay. <b>2016</b> ,		
326	Adaptive control of uncertain nonlinear time delay systems in the presence of actuator failures and applications to chemical reactor systems. <b>2016</b> , 29, 62-73		16
325	Decentralized approximation-free control for uncertain large-scale pure-feedback systems with unknown time-delayed nonlinearities and control directions. <b>2016</b> , 85, 1053-1066		15
324	An adaptive DSC for ultra-low altitude airdrop path tracking with actuator input dead zone. <b>2016</b> ,		
323	Adaptive fuzzy decentralised fault-tolerant control for uncertain non-linear large-scale systems with unknown time-delay. <b>2016</b> , 10, 2437-2446		8
322	MRAC for nonlinear systems with unknown gain signs and unmodeled dynamics. <b>2016</b> ,		
321	Adaptive backstepping control of time-delayed nonlinear Markovian jump systems. <b>2016</b> ,		
320	Image-based tracking control in the presence of time-varying input and state delays. <b>2016</b> ,		0
319	Observer-based fuzzy adaptive control for a class of MIMO nonlinear systems. <b>2016</b> ,		
318	Compensating for time-varying input and state delays inherent to image-based control systems. <b>2016</b> ,		3
317	Distributed control of second-order nonlinear time-delayed multiagent systems with disturbance using neural networks. <b>2016</b> ,		1
316	Stability analysis and controller synthesis for non-linear quadratic systems with time delay. <b>2016</b> ,		2
315	An improved adaptive stabilization control scheme for nonlinear systems with unknown gain directions. <b>2016</b> ,		
314	Distributed adaptive output consensus tracking of higher-order systems with unknown control directions. <i>Neurocomputing</i> , <b>2016</b> , 203, 129-138	5-4	15
313	Adaptive fuzzy sliding mode controller for a class of SISO nonlinear time-delay systems. <b>2016</b> , 20, 649-659		6
312	Adaptive Tracking Control for Nonlinear Systems with a Class of Input Nonlinearities. <b>2016</b> , 18, 771-778		13
311	Single-approximation-based adaptive control of a class of nonlinear time-delay systems. <b>2016</b> , 27, 1041-1052		5

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308	Adaptive fuzzy backstepping dynamic surface control for nonlinear Input-delay systems. <i>Neurocomputing</i> , <b>2016</b> , 199, 58-65	5.4	35
307	Global adaptive exponential stabilisation for nonlinear systems with multiple unknown control directions. <b>2016</b> , 47, 3908-3918		4
306	A fuzzy adaptive control approach for nonlinear systems with unknown control gain sign. <i>Neurocomputing</i> , <b>2016</b> , 179, 318-325	5.4	34
305	Observer-based indirect adaptive fuzzy control for SISO nonlinear systems with unknown gain sign. <i>Neurocomputing</i> , <b>2016</b> , 171, 1598-1605	5.4	19
304	Observer-based adaptive neural control for a class of nonlinear pure-feedback systems. <i>Neurocomputing</i> , <b>2016</b> , 171, 1517-1523	5.4	21
303	Saturated Nussbaum Function Based Approach for Robotic Systems With Unknown Actuator Dynamics. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2311-2322	10.2	97
302	Distributed control algorithm for bipartite consensus of the nonlinear time-delayed multi-agent systems with neural networks. <i>Neurocomputing</i> , <b>2016</b> , 174, 928-936	5.4	30
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298	Observer-Based Adaptive Fuzzy Control for a Class of Nonlinear Delayed Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2016</b> , 46, 27-36	7.3	142
297	Identification and Control for Singularly Perturbed Systems Using Multitime-Scale Neural Networks. <b>2017</b> , 28, 321-333		24
296	Adaptive Fault-Tolerant Control for Nonlinear System With Unknown Control Directions Based on Fuzzy Approximation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 1909-1918	7.3	71
295	Robust adaptive control of strict-feedback nonlinear systems with unmodelled dynamics and time-varying delays. <i>International Journal of Control</i> , <b>2017</b> , 90, 334-347	1.5	14
294	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 527-542	8.3	49
293	Observer-based adaptive fuzzy controller for nonlinear systems with unknown control directions and input saturation. <b>2017</b> , 314, 24-45		38



292	Adaptive fuzzy decentralized control for uncertain large-scale nonlinear time-delay systems with virtual control functions. <b>2017</b> , 28, 1009-1020		1
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290	Robust approximation-free design for tracking and fault tolerance in the presence of arbitrarily switched unknown nonlinearities. <b>2017</b> , 354, 2183-2198		2
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288	Adaptive Fault Tolerant Backstepping Control for High-Order Nonlinear Systems. <i>Studies in Systems, Decision and Control</i> , <b>2017</b> , 127-161	0.8	
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286	Adaptive Fuzzy Fault-Tolerant DSC for a Class of Nonlinear Systems. <i>Studies in Systems, Decision and Control</i> , <b>2017</b> , 99-125	0.8	
285	Neural Network-Based Fault Tolerant Control Scheme Against Un-modeled Fault. <i>Studies in Systems, Decision and Control</i> , <b>2017</b> , 163-190	0.8	3
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278	Approximation-based adaptive fuzzy tracking control for a class of switched nonlinear pure-feedback systems. <b>2017</b> , 48, 2463-2472		9
277	Adaptive neural control for nonstrict-feedback stochastic nonlinear time-delay systems with input and output constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2017</b> , 31, 1401-1417	2.8	9
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273	Sufficient Condition for the Existence of the Compact Set in the RBF Neural Network Control. <b>2018</b> , 29, 3277-3282		3
272	Adaptive iterative learning control of a class of nonlinear time-delay systems with unknown backlash-like hysteresis input and control direction. <i>ISA Transactions</i> , <b>2017</b> , 70, 79-92	5.5	28
271	Approximation-based adaptive tracking of uncertain input-quantized nonlinear systems in the presence of unknown quantization parameters and control directions. <b>2017</b> , 15, 1414-1424		10
270	Approximation-Based Adaptive Neural Tracking Control of Nonlinear MIMO Unknown Time-Varying Delay Systems With Full State Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 3100-3109	10.2	97
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268	Observer-based fuzzy adaptive fault control for a class of MIMO nonlinear systems. <b>2017</b> , 48, 1331-1346		7
267	Adaptive neural synchronization control of chaotic systems with unknown control directions under input saturation. <b>2017</b> , 132, 249-261		7
266	Adaptive-observer-based output-constrained tracking of a class of arbitrarily switched uncertain non-affine nonlinear systems. <b>2017</b> , 24, 69-82		16
265	Adaptive neural tracking control for nonstrict-feedback stochastic nonlinear time-delay systems with full-state constraints. <b>2017</b> , 48, 3018-3031		9
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263	Adaptive fault-tolerant control for uncertain nonlinear system with guaranteed pre-described performance. <b>2017</b> ,		1
262	Observer-Based adaptive neural network controller for uncertain nonlinear systems with unknown control directions subject to input time delay and saturation. <b>2017</b> , 418-419, 717-737		22
261	Adaptive Neural Dynamic Surface Control of Pure-Feedback Nonlinear Systems With Full State Constraints and Dynamic Uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 2378-2387	7.3	87
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259	Vibration control of a flexible aerial refuelling hose with input saturation. <b>2017</b> , 48, 971-983		12
258	Adaptive fuzzy output-feedback control for a class of nonlinear pure-feedback systems with time delays. <b>2017</b> , 48, 1242-1253		10
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255	Approximation-based decentralized adaptive tracking for a class of arbitrarily switched interconnected non-affine nonlinear systems. <b>2017</b> , 354, 834-851		18
254	Adaptive fuzzy prescribed performance control for MIMO nonlinear systems with unknown control direction and unknown dead-zone inputs. <i>ISA Transactions</i> , <b>2017</b> , 66, 86-95	5.5	27
253	Adaptive Fuzzy Asymptotic Control of MIMO Systems With Unknown Input Coefficients Via a Robust Nussbaum Gain-Based Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1252-1263	8.3	62
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251	Nussbaum Gain Adaptive Fault Tolerant Control for Hypersonic Vehicles with Uncertain Parameters and Actuator Faults. <b>2017</b> , 50, 5256-5262		4
250	Prescribed performance motion control of nonlinear servo mechanisms with extended state observer. <b>2017</b> ,		0
249	Online adaptive controller design of partially unknown nonlinear systems with state time-delay via actor-critic architecture. <b>2017</b> ,		
248	Fuzzy adaptive decentralized prescribed performance control for large-scale nonlinear systems. <b>2017</b> ,		
247	Trajectory tracking control of a miniature autonomous helicopter with input and output constraints. <b>2017</b> ,		
246	Adaptive neural control for stochastic pure-feedback non-linear time-delay systems with output constraint and asymmetric input saturation. <b>2017</b> , 11, 2288-2298		14
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244	Adaptive neural dynamic surface control of output constrained non-linear systems with unknown control direction. <b>2017</b> , 11, 2994-3003		17
243	Observer-based adaptive prescribed performance tracking control for nonlinear systems with unknown control direction and input saturation. <i>Neurocomputing</i> , <b>2018</b> , 284, 17-26	5.4	33
242	Prescribed Performance Speed Control for Permanent Magnet Synchronous Motors. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 375-388	0.2	0
241	Nussbaum-type function based attitude control of spacecraft with actuator saturation. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2927-2949	3.6	29
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234	Adaptive tracking control for a class of uncertain switched nonlinear systems with time-delay. <i>Transactions of the Institute of Measurement and Control</i> , <b>2018</b> , 40, 1102-1108	1.8	5
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230	Adaptive neural control for nonstrict-feedback time-delay systems with input and output constraints. <b>2018</b> , 9, 1533-1540		3
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227	Adaptive Neural Control of Nonlinear Systems With Unknown Control Directions and Input Dead-Zone. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 1897-1907	7.3	85
226	Adaptive fuzzy control for feedback linearizable MIMO nonlinear systems with prescribed performance. <b>2018</b> , 344, 70-89		17
225	Adaptive Fault-Tolerant Control for Nonlinear Systems With Multiple Sensor Faults and Unknown Control Directions. <b>2018</b> , 29, 4436-4446		35
224	Low-complexity robust tracking of high-order nonlinear systems with application to underactuated mechanical dynamics. <b>2018</b> , 91, 1627-1637		7
223	Guaranteeing prescribed output tracking performance for air-breathing hypersonic vehicles via non-affine back-stepping control design. <b>2018</b> , 91, 525-538		42
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221	Adaptive Ship Course Following Control Based on Sufficiently Smooth Projection Operator. <b>2018</b> ,		0

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207	Adaptive Prescribed Performance Control of Strict-Feedback Systems With Non-linear Dead-Zone. <b>2018</b> , 155-175		
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203	Adaptive neural tracking control for nonstrict-feedback nonlinear systems with unknown backlash-like hysteresis and unknown control directions. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 5140-5157	3.6	13

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200	Adaptive Cooperative Tracking Control of Multi-Agent Systems With Unknown Actuators Hysteresis. <i>IEEE Access</i> , <b>2018</b> , 6, 33015-33028	3.5	3
199	Robust H Adaptive Fuzzy Tracking Control for MIMO Nonlinear Stochastic Poisson Jump Diffusion Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 3116-3130	10.2	26
198	Decentralized low-complexity fault-tolerant tracking of a class of arbitrarily switched interconnected nonaffine nonlinear systems with unexpected faults. <b>2019</b> , 95, 1-11		7
197	Vibration control of aero two-blade propeller with input and output constraints based on PDE model. <b>2019</b> , 93, 105291		2
196	Adaptive Backstepping Control Design for Uncertain Non-smooth Strictfeedback Nonlinear Systems with Time-varying Delays. <b>2019</b> , 17, 2220-2233		13
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194	Observer-based adaptive fuzzy prescribed performance control for feedback linearizable MIMO nonlinear systems with unknown control direction. <i>Neurocomputing</i> , <b>2019</b> , 368, 99-113	5.4	2
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