Salim Labiod

List of Publications by Year
in descending order

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62	1,426	471061	344852
papers	citations	17	36
		h-index	g-index

65	65	65	1029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive fuzzy control of a class of MIMO nonlinear systems. Fuzzy Sets and Systems, 2005, 151, 59-77.	1.6	235
2	Adaptive fuzzy control of a class of SISO nonaffine nonlinear systems. Fuzzy Sets and Systems, 2007, 158, 1126-1137.	1.6	200
3	Non-quadratic local stabilization for continuous-time Takagiâ€“Sugeno models. Fuzzy Sets and Systems, 2012, 201, 40-54.	1.6	119
4	Fuzzy control for Electric Power Steering System with assist motor current input constraints. Journal of the Franklin Institute, 2015, 352, 562-576.	1.9	98
5	Tuning fuzzy PD and PI controllers using reinforcement learning. ISA Transactions, 2010, 49, 543-551.	3.1	86
6	Direct adaptive fuzzy control for a class of MIMO nonlinear systems. International Journal of Systems Science, 2007, 38, 665-675.	3.7	81
7	Indirect adaptive fuzzy control for a class of nonaffine nonlinear systems with unknown control directions. International Journal of Control, Automation and Systems, 2010, 8, 903-907.	1.6	64
8	Robust H âˆž static output feedback stabilization of T-S fuzzy systems subject to actuator saturation. International Journal of Control, Automation and Systems, 2012, 10, 613-622.	1.6	64
9	A neuro-fuzzy-sliding mode controller using nonlinear sliding surface applied to the coupled tanks system. International Journal of Automation and Computing, 2009, 6, 72-80.	4.5	40
10	Adaptive sensor-fault tolerant control for a class of multivariable uncertain nonlinear systems. ISA Transactions, 2015, 55, 100-115.	3.1	32
11	Direct adaptive control of a flexible spacecraft with disturbances and uncertain actuator failures. Mechanical Systems and Signal Processing, 2018, 110, 73-89.	4.4	27
12	Robust H âˆž static outputâ€feedback control for discreteâ€time fuzzy systems with actuator saturation via fuzzy Lyapunov functions. Asian Journal of Control, 2020, 22, 611-623.	1.9	23
13	Adaptive sensor-fault tolerant control for a class of MIMO uncertain nonlinear systems: Adaptive nonlinear filter-based dynamic surface control. Journal of the Franklin Institute, 2016, 353, 1313-1338.	1.9	22
14	Hâˆž switching fuzzy control of solar power generation systems with asymmetric input constraint. Asian Journal of Control, 2019, 21, 1869-1880.	1.9	22
15	Fuzzy Control of DC-DC Converters with Input Constraint. Mathematical Problems in Engineering, 2012, 2012, 1-18.	0.6	21
16	Hâˆž control of multiple model subject to actuator saturation: application to quarter-car suspension system. Analog Integrated Circuits and Signal Processing, 2011, 69, 81-90.	0.9	17
17	A stable self-tuning proportional-integral-derivative controller for a class of multi-input multi-output nonlinear systems. JVC/Journal of Vibration and Control, 2012, 18, 228-239.	1.5	17
18	Fuzzy adaptive control for a class of nonlinear systems with unknown control gain. Evolving Systems, 2012, 3, 57-64.	2.4	17

#	Article	IF	Citations
19	Tuning fuzzy PID controllers using ant colony optimization. , 2009, , .		16
20	Indirect Adaptive Fuzzy Control for a Class of Uncertain Nonlinear Systems with Unknown Control Direction. International Journal of Fuzzy System Applications, 2011, 1, 1-17.	0.5	15
21	Adaptive observer-based fault estimation for a class of Lipschitz nonlinear systems. Archives of Control Sciences, 2016, 26, 245-259.	1.7	15
22	Direct adaptive fuzzy sliding mode decoupling control for a class of underactuated mechanical systems. Turkish Journal of Electrical Engineering and Computer Sciences, 2013, 21, 1615-1630.	0.9	14
23	Composite adaptive dynamic surface control of nonlinear systems in parametric strict-feedback form. Transactions of the Institute of Measurement and Control, 2018, 40, 1127-1135.	1.1	14
24	Hâˆž static output feedback control for electrical power steering subject to actuator saturation via fuzzy Lyapunov functions. Transactions of the Institute of Measurement and Control, 2019, 41, 3340-3351.	1.1	12
25	PSO-based PID control design for the stabilization of a quadrotor. , 2013, , .		11
26	Adaptive sensor fault-tolerant control for a class of multi-input multi-output nonlinear systems: Adaptive first-order filter-based dynamic surface control approach. ISA Transactions, 2018, 80, 89-98.	3.1	9
27	Stabilization of Takagi-Sugeno discrete models: towards an unification of the results. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	8
28	Linear adaptive control of a class of SISO nonaffine nonlinear systems. International Journal of Systems Science, 2014, 45, 2490-2498.	3.7	8
29	Linear adaptive actuator failure compensation for wing rock motion control. Aerospace Science and Technology, 2017, 67, 155-168.	2.5	8
30	Direct adaptive fuzzy control for nonlinear systems with input amplitude and rate saturation constraints. , 2008, , .		7
31	Multi-objective H₂/H_{âˆž} saturated non-PDC static output feedback control for path tracking of autonomous vehicle. Transactions of the Institute of Measurement and Control, 2022, 44, 2235-2247.	1.1	7
32	Comments on "Adaptive fuzzy decentralized control for a class of large-scale nonlinear systems". IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 1096.	5.5	6
33	Design and experimentation of a self-tuning PID control applied to the 3DOF helicopter. Archives of Control Sciences, 2013, 23, 311-331.	1.7	6
34	A new methodology for an adaptive state observer design for a class of nonlinear systems with unknown parameters in unmeasured state dynamics. Transactions of the Institute of Measurement and Control, 2018, 40, 1297-1308.	1.1	6
35	Design and experimentation of an observerâ€based linear adaptive control applied to an electropneumatic actuator. IET Control Theory and Applications, 2016, 10, 1288-1298.	1.2	5
36	Adaptive Command Filtered Backstepping Control and its Application to Permanent Magnet Synchronous Generator Based Wind Energy Conversion System. , 2019, , .		5

#	Article	IF	Citations
37	Robust <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mi mathvariant="script">L</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math> fuzzy adaptive controller for three-phase grid-connected photovoltaic system. Journal of the Franklin Institute, 2022, 359, 1852-1880.	1.9	5
38	Observer-based adaptive neural network control design for projective synchronization of uncertain chaotic systems. JVC/Journal of Vibration and Control, 2023, 29, 3658-3678.	1.5	5
39	Unknown input observer based robust control for fuzzy descriptor systems subject to actuator saturation. Mathematics and Computers in Simulation, 2023, 203, 150-173.	2.4	5
40	Direct and Indirect Adaptive Fuzzy Control for a Class of MIMO Nonlinear Systems. , 0, , .		4
41	Adaptive Fuzzy Control for a Class of Multivariable Nonlinear Systems with Unknown Control Direction. IFAC-PapersOnLine, 2017, 50, 2995-3000.	0.5	4
42	Direct adaptive fuzzy position controller for an electropneumatic actuator: Design and experimental evaluation. Mechanical Systems and Signal Processing, 2021, 147, 107066.	4.4	4
43	Comments on "Fuzzy adaptive sliding-mode control for MIMO nonlinear Systems". IEEE Transactions on Fuzzy Systems, 2006, 14, 478.	6.5	3
44	Fourier series-based adaptive tracking control for robot manipulators. , 2013, , .		3
45	Model-free controller with an observer applied in real-time to a 3-DOF helicopter. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1564-1581.	0.9	3
46	An â„’₁ fuzzy adaptive controller for a class of SISO nonaffine nonlinear systems: application to the control of an electropneumatic actuator. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 736-748.	0.7	3
47	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1089" altimg="si6.svg"><mml:msub><mml:mrow><mml:mi>â„’</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:math> controller design for a class of fractional order uncertain systems. Mathematics and Computers in Simulation, 2022, 193, 232-249.	2.4	3
48	Neural network <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1073" altimg="si208.svg"><mml:msub><mml:mrow><mml:mi>â„’</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:math> adaptive control for a class of uncertain fractional order nonlinear systems. The Integration VLSI Journal, 2022, 83, 1-11.	1.3	3
49	Comments on "Integral variable structure control of nonlinear system using a CMAC neural network learning Approach". IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 2421.	5.5	2
50	DIRECT ADAPTIVE FUZZY CONTROL OF A CLASS OF NONLINEAR SYSTEMS WITH INPUT SATURATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 169-174.	0.4	2
51	Fuzzy adaptive control for a class of nonlinear systems with unknown control gain. , 2011, , .		2
52	Direct adaptive fuzzy control for nonaffine nonlinear systems with unknown control direction. , 2011, , .		2
53	A stable linear adaptive controller applied to a pneumatic actuator system. , 2013, , .		2
54	Adaptive Fuzzy Control for Multivariable Nonlinear Systems with Indefinite Control Gain Matrix and Unknown Control Direction. IFAC-PapersOnLine, 2020, 53, 8019-8024.	0.5	2

#	Article	IF	Citations
55	Stable adaptive fuzzy control for a class of uncertain nonlinear systems with input magnitude and rate saturation constraint. , 2013, , .		1
56	Robust adaptive maximum power capture control scheme for a PMSG based WECS. , 2015, , .		1
57	Direct adaptive fuzzy control for a class of nonlinear systems with unknown control gain sign. , 2016, , .		1
58	H âˆž fuzzy control of suspension systems with actuator saturation. , 2013, , 195-246.		1
59	Direct Adaptive Fuzzy Output Feedback Control for a Class of SISO Nonlinear Systems with Unknown Control Direction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13606-13611.	0.4	0
60	Adaptive fuzzy actuator failure compensation for a class of nonlinear systems. , 2015, , .		0
61	$Hinfty$ Delay-independent stabilization for Takagi Sugeno fuzzy system based on Saturated Output Control. , 2020, , .		0
62	Indirect Adaptive Fuzzy Control for a Class of Uncertain Nonlinear Systems with Unknown Control Direction. , 2013, , 139-154.		0