Xiaoou Li

List of Publications by Year in descending order

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155	2,076	361296	302012
papers	citations	20 h-index	39 g-index

161	161	161	1438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fuzzy Identification Using Fuzzy Neural Networks With Stable Learning Algorithms. IEEE Transactions on Fuzzy Systems, 2004, 12, 411-420.	6.5	231
2	Some new results on system identification with dynamic neural networks. IEEE Transactions on Neural Networks, 2001, 12, 412-417.	4.8	126
3	Support vector machine classification for large data sets via minimum enclosing ball clustering. Neurocomputing, 2008, 71, 611-619.	3.5	111
4	Dynamic knowledge inference and learning under adaptive fuzzy Petri net framework. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2000, 30, 442-450.	3.3	101
5	Adaptive fuzzy petri nets for dynamic knowledge representation and inference. Expert Systems With Applications, 2000, 19, 235-241.	4.4	93
6	Deformable Convolutional Networks for Efficient Mixed-Type Wafer Defect Pattern Recognition. IEEE Transactions on Semiconductor Manufacturing, 2020, 33, 587-596.	1.4	81
7	Some stability properties of dynamic neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 256-259.	0.1	73
8	Multilayer dynamic neural networks for non-linear system on-line identification. International Journal of Control, 2001, 74, 1858-1864.	1.2	51
9	AUTOMATED NONLINEAR SYSTEM MODELING WITH MULTIPLE FUZZY NEURAL NETWORKS AND KERNEL SMOOTHING. International Journal of Neural Systems, 2010, 20, 429-435.	3.2	44
10	Passivity Analysis of Dynamic Neural Networks with Different Time-scales. Neural Processing Letters, 2007, 25, 143-155.	2.0	43
11	Dynamic system identification via recurrent multilayer perceptrons. Information Sciences, 2002, 147, 45-63.	4.0	40
12	Discrete-time neuro identification without robust modification. IET Control Theory and Applications, 2003, 150, 311-316.	1.7	36
13	Fuzzy Differential Equations for Nonlinear System Modeling With Bernstein Neural Networks. IEEE Access, 2016, 4, 9428-9436.	2.6	35
14	Support vector machine classification for large datasets using decision tree and Fisher linear discriminant. Future Generation Computer Systems, 2014, 36, 57-65.	4.9	34
15	Structural Health Monitoring of Building Structures With Online Data Mining Methods. IEEE Systems Journal, 2016, 10, 1291-1300.	2.9	31
16	Convex and concave hulls for classification with support vector machine. Neurocomputing, 2013, 122, 198-209.	3.5	30
17	PID admittance control for an upper limb exoskeleton. , 2011, , .		29
18	On-line fuzzy modeling via clustering and support vector machines. Information Sciences, 2008, 178, 4264-4279.	4.0	28

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19	Stable Neural Pid Anti-Swing Control For An Overhead Crane. Intelligent Automation and Soft Computing, 2014, 20, 145-158.	1.6	27
20	Numerical Solution of Fuzzy Differential Equations with Z-numbers Using Bernstein Neural Networks. International Journal of Computational Intelligence Systems, 2017, 10, 1226.	1.6	26
21	Support Vector Machine Classification Based on Fuzzy Clustering for Large Data Sets. Lecture Notes in Computer Science, 2006, , 572-582.	1.0	24
22	Observer-based neuro identifier. IET Control Theory and Applications, 2000, 147, 145-152.	1.7	22
23	SVM Classification for Large Data Sets by Considering Models of Classes Distribution. , 2007, , .		21
24	Synchronization of ball and beam systems with neural compensation. International Journal of Control, Automation and Systems, 2010, 8, 491-496.	1.6	21
25	Modular design and control of an upper limb exoskeleton. Journal of Mechanical Science and Technology, 2016, 30, 2265-2271.	0.7	21
26	Anomaly detection of power consumption in yarn spinning using transfer learning. Computers and Industrial Engineering, 2021, 152, 107015.	3.4	21
27	Applying Petri Nets in Active Database Systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2007, 37, 482-493.	3.3	19
28	Two-stage neural sliding-mode control of magnetic levitation in minimal invasive surgery. Neural Computing and Applications, 2011, 20, 1141-1147.	3.2	18
29	Anti-Swing Control For An Overhead Crane With Fuzzy Compensation. Intelligent Automation and Soft Computing, 2012, 18, 1-11.	1.6	18
30	A novel PID tuning method for robot control. Industrial Robot, 2013, 40, 574-582.	1.2	18
31	Robot trajectory generation using modified hidden Markov model and Lloyd's algorithm in joint space. Engineering Applications of Artificial Intelligence, 2016, 53, 32-40.	4.3	18
32	Bidirectional active control of structures with type-2 fuzzy PD and PID. International Journal of Systems Science, 2018, 49, 766-782.	3.7	18
33	Fast training of deep LSTM networks with guaranteed stability for nonlinear system modeling. Neurocomputing, 2021, 422, 85-94.	3.5	18
34	A dynamic vertical partitioning approach for distributed database system. , 2011, , .		16
35	Solving fuzzy differential equation with Bernstein neural networks. , 2016, , .		16
36	A Novel SVM Classification Method for Large Data Sets. , 2010, , .		15

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37	Imbalanced data classification via support vector machines and genetic algorithms. Connection Science, 2014, 26, 335-348.	1.8	15
38	Online fuzzy modeling with structure and parameter learning. Expert Systems With Applications, 2009, 36, 7484-7492.	4.4	14
39	IoT-based smart and complex systems: a guest editorial report. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 69-73.	8.5	14
40	Anti-swing control for overhead crane with neural compensation. , 2006, , .		13
41	A systematic tunning method of PID controller for robot manipulators. , 2011, , .		13
42	Large data sets classification using convexâ€“concave hull and support vector machine. Soft Computing, 2013, 17, 793-804.	2.1	13
43	Using Genetic Algorithm to Improve Classification Accuracy on Imbalanced Data. , 2013, , .		12
44	Nonlinear system identification using deep learning and randomized algorithms. , 2015, , .		12
45	Object oriented fuzzy Petri net for complex knowledge system modeling. , 0, , .		11
46	Discrete-time sliding mode for building structure bidirectional active vibration control. Transactions of the Institute of Measurement and Control, 2019, 41, 433-446.	1.1	11
47	Stable bilateral teleoperation with phase transition and haptic feedback. Journal of the Franklin Institute, 2021, 358, 1940-1956.	1.9	11
48	Fast classification for large data sets via random selection clustering and Support Vector Machines. Intelligent Data Analysis, 2012, 16, 897-914.	0.4	10
49	Nonlinear system modeling with deep neural networks and autoencoders algorithm. , 2016, , .		10
50	Numerical Solution of Fuzzy Equations with Z-numbers using Neural Networks. Intelligent Automation and Soft Computing, 2018, 24, 151-158.	1.6	10
51	Fuzzy Knowledge Learning via Adaptive Fuzzy Petri Net with Triangular Function Model. , 2006, , .		9
52	PD Control of Overhead Crane Systems with Neural Compensation. Lecture Notes in Computer Science, 2006, , 1110-1115.	1.0	9
53	Some stability properties of dynamic neural networks with different time-scales. , 2006, , .		9
54	Two-stage svm classification for large data sets via randomly reducing and recovering training data. , 2007, , .		9

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55	Automated nonlinear system modelling with multiple neural networks. International Journal of Systems Science, 2011, 42, 1683-1695.	3.7	9
56	Structural Health Monitoring of Tall Buildings with Numerical Integrator and Convex-Concave Hull Classification. Mathematical Problems in Engineering, 2012, 2012, 1-15.	0.6	9
57	Tele-manipulation of robot arm with smartphone. , 2013, , .		9
58	Recent Advances in Bidirectional Modeling and Structural Control. Shock and Vibration, 2016, 2016, 1-17.	0.3	9
59	A Vertical Partitioning Algorithm for Distributed Multimedia Databases. Lecture Notes in Computer Science, 2011, , 544-558.	1.0	9
60	A support-based vertical partitioning method for database design. , 2011, , .		8
61	Convex-Concave Hull for Classification with Support Vector Machine. , 2012, , .		8
62	Haar wavelet neural networks for nonlinear system identification. , 2012, , .		8
63	Smartphone-Based Human Machine Interface with Application to Remote Control of Robot Arm. , 2013, , .		8
64	Data Stream Classification for Structural Health Monitoring via On-Line Support Vector Machines. , 2015, , .		8
65	Fast Training of Deep LSTM Networks. Lecture Notes in Computer Science, 2019, , 3-10.	1.0	8
66	Recurrent fuzzy neural networks for nonlinear system identification. , 2007, , .		7
67	Support Vector classification for large data sets by reducing training data with change of classes. , 2008, , .		7
68	Body- and environmental-stabilized processing of spatial knowledge.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 415-421.	0.7	7
69	Data Selection Using Decision Tree for SVM Classification. , 2012, , .		7
70	Optimum design of a parallel robot using neuro-genetic algorithm. Journal of Mechanical Science and Technology, 2021, 35, 293-305.	0.7	7
71	ADAPTIVE FUZZY PETRI NETS FOR SUPERVISORY HYBRID SYSTEMS MODELING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 277-282.	0.4	6
72	Data Mining based on CMAC Neural Networks. , 2006, , .		6

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73	Structural Error Verification in Active Rule-Based Systems using Petri Nets. , 2006, , .		5
74	Multi-Class Support Vector Machines for Large Data Sets via Minimum Enclosing Ball Clustering. , 2007, , .		5
75	Stable PID control for robot manipulators with neural compensation. , 2012, , .		5
76	DYMOND. , 2012, , .		5
77	Fast Support Vector Machine Classification for Large Data Sets. International Journal of Computational Intelligence Systems, 2014, 7, 197-212.	1.6	5
78	A low-cost ball and plate system for advanced control education. International Journal of Electrical Engineering and Education, 2015, 52, 370-384.	0.4	5
79	Active rule base development for dynamic vertical partitioning of multimedia databases. Journal of Intelligent Information Systems, 2017, 48, 421-451.	2.8	5
80	Recurrent neural networks training with stable risk-sensitive Kalman filter algorithm. , 0, , .		4
81	Support Vector Machine for Nonlinear System On-line Identification. , 2006, , .		4
82	Splice site detection in DNA sequences using a fast classification algorithm. , 2009, , .		4
83	ECAPNVer: A Software Tool to Verify Active Rule Bases. , 2010, , .		4
84	Neural sliding mode control for magnetic levitation systems. , 2010, , .		4
85	A Novel Fuzzy System With Adaptive Neurons for Earthquake Modeling. IEEE Access, 2020, 8, 101369-101376.	2.6	4
86	System Identification Using Adjustable RBF Neural Network with Stable Learning Algorithms. Lecture Notes in Computer Science, 2004, , 212-217.	1.0	4
87	Modeling of Crude Oil Blending via Discrete-Time Neural Networks. Studies in Computational Intelligence, 2010, , 205-220.	0.7	4
88	Fuzzy neural modeling using stable learning algorithm. , 0, , .		3
89	PD Control of Overhead Crane with Velocity Estimation and Uncertainties Compensation. , 2006, , .		3
90	Termination analysis of active rules â€" A Petri net based approach. , 2009, , .		3

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91	Neural PID admittance control of a robot. , 2013, , .		3
92	Stable neural PID anti-swing control for an overhead crane. , 2013, , .		3
93	A 3-D hand rehabilitation system using haptic device. , 2015, , .		3
94	Ranking features in Facebook to detect overlapping communities. , 2016, , .		3
95	Energy-efficient rescheduling for the flexible machining systems with random machine breakdown and urgent job arrival. , 2019, , .		3
96	Stability and Transparency of Delayed Bilateral Teleoperation with Haptic Feedback. International Journal of Applied Mathematics and Computer Science, 2019, 29, 681-692.	1.5	3
97	An Active System for Dynamic Vertical Partitioning of Relational Databases. Lecture Notes in Computer Science, 2011, , 273-284.	1.0	3
98	Adaptive control with multiple neural networks. , 2002, , .		2
99	Minimax control for discrete-time time-varying stochastic systems. Automatica, 2002, 38, 1991-1998.	3.0	2
100	Verification of active rule base via conditional colored Petri nets. , 2007, , .		2
101	Neural sliding mode control with finite time convergence. , 2009, , .		2
102	Anti-swing control for an overhead crane with intelligent compensation. , 2010, , .		2
103	A Petri Net-Based Metric for Active Rule Validation. , 2011, , .		2
104	Ontology based ETL process for creation of ontological data warehouse. , 2011, , .		2
105	DYVEP: An active database system with vertical partitioning functionality. , 2013, , .		2
106	On-line modeling via fuzzy support vector machines and neural networks. Journal of Intelligent and Fuzzy Systems, 2013, 24, 665-675.	0.8	2
107	Hybrid neural networks for gasoline blending system modeling. , 2014, , .		2
108	Probability based fuzzy modeling. , 2017, , .		2

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109	A Hybrid Fuzzy Petri Nets and Neural Networks Framework for Modeling Critical Infrastructure Systems. , 2018, , .		2
110	Fuzzy identification of systems based on adaptive neurons. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10767-10779.	0.8	2
111	Triple-layer attention mechanism-based network embedding approach for anchor link identification across social networks. Neural Computing and Applications, 2022, 34, 2811-2829.	3.2	2
112	Stable Anti-Swing Control for an Overhead Crane with Velocity Estimation and Fuzzy Compensation. Mathematical Modelling: Theory and Applications, 2008, , 223-240.	0.2	2
113	Robust Adaptive Control Using Neural Networks and Projection. Lecture Notes in Computer Science, 2004, , 77-82.	1.0	2
114	Recurrent Fuzzy CMAC for Nonlinear System Modeling. Lecture Notes in Computer Science, 2007, , 487-495.	1.0	2
115	PD control of robot with velocity estimation and uncertainties compensation. , 0, , .		1
116	Measuring triggering-interactions complexity on active databases based on conditional colored petri nets. , 0, , .		1
117	Fuzzy Neural Identification by Online Clustering with Application on Crude Oil Blending. , 2006, , .		1
118	Entropy-based algorithm for discovering groups with mixed type attributes. , 2006, , .		1
119	Stable antiswing PD control for overhead crane systems with velocity estimation and uncertainties compensation. International Journal of Automation and Control, 2007, 1, 342.	0.3	1
120	Neural identification based on sliding mode observer. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
121	ECA Rule Analysis in a Distributed Active Database. , 2009, , .		1
122	Support vector candidates pre selection strategy based on non convex hulls. , 2010, , .		1
123	Modeling and neuro control for multicomponent nonideal distillation column. , 2011, , .		1
124	Robot PD control with parallel/serial neural network and sliding mode compensations. , 2012, , .		1
125	An Evolutionary Approach for Fuzzy Knowledge Learning. , 2013, , .		1
126	Robust observers for a class of uncertainty nonlinear systems. , 2013, , .		1

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127	Neural passivity control of nonlinear multivariable systems. , 2013, , .		1
128	Detection of building structure damage with support vector machine. , 2015, , .		1
129	Hierarchical dynamic neural networks for cascade system modeling with application to wastewater treatment. , 2016, , .		1
130	Measure community quality by attribute importance and density in social networks. , 2019, , .		1
131	Analysis of Minimum Workflow Resource Requirement. Communications in Computer and Information Science, 2016, , 53-66.	0.4	1
132	Modeling an electronic component manufacturing system using Object Oriented Colored Petri Nets. , 0, , .		0
133	Passive properties of dynamic neural networks. , 2000, , .		0
134	Visual servoing with velocity observer and neural compensation. , 0, , .		0
135	ROBUST ADAPTIVE CONTROL USING NEURAL NETWORKS AND PROJECTION. , 2004, , .		0
136	Time-Delay Nonlinear System Modelling via Delayed Neural Networks. , 2006, , .		0
137	Robust adaptive control via neural linearization and four types of compensation. , 2008, , .		0
138	Discrete-time neural control without projection for a class of nonlinear systems. , 2010, , .		0
139	Neural modeling with automatic structure selection. , 2010, , .		0
140	Dynamic Vertical Partitioning of Multimedia Databases Using Active Rules. Lecture Notes in Computer Science, 2012, , 191-198.	1.0	0
141	Numerical integrator for inertial sensors in smartphone with application to tele-manipulation of robot. , 2014, , .		0
142	Topic hierarchy in social networks. , 2014, , .		0
143	Robust asymptotic neuro observer for unknown nonlinear systems. , 2014, , .		0
144	Bipedal walking control in dynamic environment using data mining techniques. , 2015, , .		0

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145	Cyclic workflow resource requirement analysis and application in healthcare. , 2016, , .		0
146	Dynamic feedforward network architecture design based on information entropy. , 2016, , .		0
147	Resource requirement analysis for cyclic workflows. , 2016, , .		0
148	Stability analysis of wireless networked control with time-varying sampling period. , 2016, , .		0
149	Fuzzy output feedback control via sliding mode observer. , 2016, , .		0
150	Greeting from the general chair. , 2016, , .		0
151	A Haptic Bilateral Robots System for Wrist Rehabilitation after Stroke. , 2018, , .		0
152	Passivity Analysis for Neuro Identifier with Different Time-Scales. Lecture Notes in Computer Science, 2006, , 428-433.	1.0	0
153	Fuzzy Modeling Via On-Line Clustering and Support Vector Machine. Communications in Computer and Information Science, 2007, , 294-303.	0.4	0
154	Integrated Analytic Framework for Neural Network Construction. Lecture Notes in Computer Science, 2007, , 483-492.	1.0	0
155	Knowledge Verification of Active Rule-Based Systems. , 0, , 676-687.		0