

Xiaoou Li

List of Publications by Year in descending order

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155
papers

2,076
citations

361296

20
h-index

302012

39
g-index

161
all docs

161
docs citations

161
times ranked

1438
citing authors

#	ARTICLE	IF	CITATIONS
1	Triple-layer attention mechanism-based network embedding approach for anchor link identification across social networks. <i>Neural Computing and Applications</i> , 2022, 34, 2811-2829.	3.2	2
2	Fast training of deep LSTM networks with guaranteed stability for nonlinear system modeling. <i>Neurocomputing</i> , 2021, 422, 85-94.	3.5	18
3	Anomaly detection of power consumption in yarn spinning using transfer learning. <i>Computers and Industrial Engineering</i> , 2021, 152, 107015.	3.4	21
4	Stable bilateral teleoperation with phase transition and haptic feedback. <i>Journal of the Franklin Institute</i> , 2021, 358, 1940-1956.	1.9	11
5	Fuzzy identification of systems based on adaptive neurons. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 10767-10779.	0.8	2
6	Optimum design of a parallel robot using neuro-genetic algorithm. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 293-305.	0.7	7
7	Deformable Convolutional Networks for Efficient Mixed-Type Wafer Defect Pattern Recognition. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2020, 33, 587-596.	1.4	81
8	A Novel Fuzzy System With Adaptive Neurons for Earthquake Modeling. <i>IEEE Access</i> , 2020, 8, 101369-101376.	2.6	4
9	Discrete-time sliding mode for building structure bidirectional active vibration control. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 433-446.	1.1	11
10	Fast Training of Deep LSTM Networks. <i>Lecture Notes in Computer Science</i> , 2019, , 3-10.	1.0	8
11	Measure community quality by attribute importance and density in social networks. , 2019, , .		1
12	Energy-efficient rescheduling for the flexible machining systems with random machine breakdown and urgent job arrival. , 2019, , .		3
13	Stability and Transparency of Delayed Bilateral Teleoperation with Haptic Feedback. <i>International Journal of Applied Mathematics and Computer Science</i> , 2019, 29, 681-692.	1.5	3
14	IoT-based smart and complex systems: a guest editorial report. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018, 5, 69-73.	8.5	14
15	Bidirectional active control of structures with type-2 fuzzy PD and PID. <i>International Journal of Systems Science</i> , 2018, 49, 766-782.	3.7	18
16	Numerical Solution of Fuzzy Equations with Z-numbers using Neural Networks. <i>Intelligent Automation and Soft Computing</i> , 2018, 24, 151-158.	1.6	10
17	A Haptic Bilateral Robots System for Wrist Rehabilitation after Stroke. , 2018, , .		0
18	A Hybrid Fuzzy Petri Nets and Neural Networks Framework for Modeling Critical Infrastructure Systems. , 2018, , .		2

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19	Active rule base development for dynamic vertical partitioning of multimedia databases. Journal of Intelligent Information Systems, 2017, 48, 421-451.	2.8	5
20	Probability based fuzzy modeling. , 2017, , .		2
21	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
22	Recent Advances in Bidirectional Modeling and Structural Control. Shock and Vibration, 2016, 2016, 1-17.	0.3	9
23	Cyclic workflow resource requirement analysis and application in healthcare. , 2016, , .		0
24	Nonlinear system modeling with deep neural networks and autoencoders algorithm. , 2016, , .		10
25	Solving fuzzy differential equation with Bernstein neural networks. , 2016, , .		16
26	Dynamic feedforward network architecture design based on information entropy. , 2016, , .		0
27	Fuzzy Differential Equations for Nonlinear System Modeling With Bernstein Neural Networks. IEEE Access, 2016, 4, 9428-9436.	2.6	35
28	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
29	Hierarchical dynamic neural networks for cascade system modeling with application to wastewater treatment. , 2016, , .		1
30	Resource requirement analysis for cyclic workflows. , 2016, , .		0
31	Modular design and control of an upper limb exoskeleton. Journal of Mechanical Science and Technology, 2016, 30, 2265-2271.	0.7	21
32	Stability analysis of wireless networked control with time-varying sampling period. , 2016, , .		0
33	Fuzzy output feedback control via sliding mode observer. , 2016, , .		0
34	Ranking features in Facebook to detect overlapping communities. , 2016, , .		3
35	Greeting from the general chair. , 2016, , .		0
36	Structural Health Monitoring of Building Structures With Online Data Mining Methods. IEEE Systems Journal, 2016, 10, 1291-1300.	2.9	31

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37	Analysis of Minimum Workflow Resource Requirement. Communications in Computer and Information Science, 2016, , 53-66.	0.4	1
38	Data Stream Classification for Structural Health Monitoring via On-Line Support Vector Machines. , 2015, , .		8
39	Nonlinear system identification using deep learning and randomized algorithms. , 2015, , .		12
40	Detection of building structure damage with support vector machine. , 2015, , .		1
41	Bipedal walking control in dynamic environment using data mining techniques. , 2015, , .		0
42	A 3-D hand rehabilitation system using haptic device. , 2015, , .		3
43	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
44	Numerical integrator for inertial sensors in smartphone with application to tele-manipulation of robot. , 2014, , .		0
45	Topic hierarchy in social networks. , 2014, , .		0
46	Robust asymptotic neuro observer for unknown nonlinear systems. , 2014, , .		0
47	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
48	Stable Neural Pid Anti-Swing Control For An Overhead Crane. Intelligent Automation and Soft Computing, 2014, 20, 145-158.	1.6	27
49	Fast Support Vector Machine Classification for Large Data Sets. International Journal of Computational Intelligence Systems, 2014, 7, 197-212.	1.6	5
50	Hybrid neural networks for gasoline blending system modeling. , 2014, , .		2
51	Imbalanced data classification via support vector machines and genetic algorithms. Connection Science, 2014, 26, 335-348.	1.8	15
52	Large data sets classification using convexâ€“concave hull and support vector machine. Soft Computing, 2013, 17, 793-804.	2.1	13
53	DYVEP: An active database system with vertical partitioning functionality. , 2013, , .		2
54	Using Genetic Algorithm to Improve Classification Accuracy on Imbalanced Data. , 2013, , .		12

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55	Neural PID admittance control of a robot. , 2013, , .		3
56	Tele-manipulation of robot arm with smartphone. , 2013, , .		9
57	Stable neural PID anti-swing control for an overhead crane. , 2013, , .		3
58	Convex and concave hulls for classification with support vector machine. Neurocomputing, 2013, 122, 198-209.	3.5	30
59	A novel PID tuning method for robot control. Industrial Robot, 2013, 40, 574-582.	1.2	18
60	An Evolutionary Approach for Fuzzy Knowledge Learning. , 2013, , .		1
61	Smartphone-Based Human Machine Interface with Application to Remote Control of Robot Arm. , 2013, , .		8
62	Robust observers for a class of uncertainty nonlinear systems. , 2013, , .		1
63	Neural passivity control of nonlinear multivariable systems. , 2013, , .		1
64	On-line modeling via fuzzy support vector machines and neural networks. Journal of Intelligent and Fuzzy Systems, 2013, 24, 665-675.	0.8	2
65	Dynamic Vertical Partitioning of Multimedia Databases Using Active Rules. Lecture Notes in Computer Science, 2012, , 191-198.	1.0	0
66	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
67	Fast classification for large data sets via random selection clustering and Support Vector Machines. Intelligent Data Analysis, 2012, 16, 897-914.	0.4	10
68	Anti-Swing Control For An Overhead Crane With Fuzzy Compensation. Intelligent Automation and Soft Computing, 2012, 18, 1-11.	1.6	18
69	Robot PD control with parallel/serial neural network and sliding mode compensations. , 2012, , .		1
70	Data Selection Using Decision Tree for SVM Classification. , 2012, , .		7
71	Convex-Concave Hull for Classification with Support Vector Machine. , 2012, , .		8
72	Haar wavelet neural networks for nonlinear system identification. , 2012, , .		8

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73	Stable PID control for robot manipulators with neural compensation. , 2012, , .		5
74	DYMOND. , 2012, , .		5
75	A Petri Net-Based Metric for Active Rule Validation. , 2011, , .		2
76	PID admittance control for an upper limb exoskeleton. , 2011, , .		29
77	A dynamic vertical partitioning approach for distributed database system. , 2011, , .		16
78	Ontology based ETL process for creation of ontological data warehouse. , 2011, , .		2
79	Modeling and neuro control for multicomponent nonideal distillation column. , 2011, , .		1
80	A support-based vertical partitioning method for database design. , 2011, , .		8
81	Two-stage neural sliding-mode control of magnetic levitation in minimal invasive surgery. Neural Computing and Applications, 2011, 20, 1141-1147.	3.2	18
82	A systematic tuning method of PID controller for robot manipulators. , 2011, , .		13
83	Automated nonlinear system modelling with multiple neural networks. International Journal of Systems Science, 2011, 42, 1683-1695.	3.7	9
84	A Vertical Partitioning Algorithm for Distributed Multimedia Databases. Lecture Notes in Computer Science, 2011, , 544-558.	1.0	9
85	An Active System for Dynamic Vertical Partitioning of Relational Databases. Lecture Notes in Computer Science, 2011, , 273-284.	1.0	3
86	Synchronization of ball and beam systems with neural compensation. International Journal of Control, Automation and Systems, 2010, 8, 491-496.	1.6	21
87	Support vector candidates pre selection strategy based on non convex hulls. , 2010, , .		1
88	AUTOMATED NONLINEAR SYSTEM MODELING WITH MULTIPLE FUZZY NEURAL NETWORKS AND KERNEL SMOOTHING. International Journal of Neural Systems, 2010, 20, 429-435.	3.2	44
89	ECAPNVer: A Software Tool to Verify Active Rule Bases. , 2010, , .		4
90	A Novel SVM Classification Method for Large Data Sets. , 2010, , .		15

#	ARTICLE	IF	CITATIONS
91	Neural sliding mode control for magnetic levitation systems. , 2010, , .		4
92	Anti-swing control for an overhead crane with intelligent compensation. , 2010, , .		2
93	Discrete-time neural control without projection for a class of nonlinear systems. , 2010, , .		0
94	Neural modeling with automatic structure selection. , 2010, , .		0
95	Modeling of Crude Oil Blending via Discrete-Time Neural Networks. Studies in Computational Intelligence, 2010, , 205-220.	0.7	4
96	Splice site detection in DNA sequences using a fast classification algorithm. , 2009, , .		4
97	Termination analysis of active rules " A Petri net based approach. , 2009, , .		3
98	Online fuzzy modeling with structure and parameter learning. Expert Systems With Applications, 2009, 36, 7484-7492.	4.4	14
99	ECA Rule Analysis in a Distributed Active Database. , 2009, , .		1
100	Neural sliding mode control with finite time convergence. , 2009, , .		2
101	On-line fuzzy modeling via clustering and support vector machines. Information Sciences, 2008, 178, 4264-4279.	4.0	28
102	Support vector machine classification for large data sets via minimum enclosing ball clustering. Neurocomputing, 2008, 71, 611-619.	3.5	111
103	Robust adaptive control via neural linearization and four types of compensation. , 2008, , .		0
104	Support Vector classification for large data sets by reducing training data with change of classes. , 2008, , .		7
105	Body- and environmental-stabilized processing of spatial knowledge.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 415-421.	0.7	7
106	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
107	Verification of active rule base via conditional colored Petri nets. , 2007, , .		2
108	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

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109	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
110	Recurrent fuzzy neural networks for nonlinear system identification. , 2007, , .		7
111	Neural identification based on sliding mode observer. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	1
112	SVM Classification for Large Data Sets by Considering Models of Classes Distribution. , 2007, , .		21
113	Multi-Class Support Vector Machines for Large Data Sets via Minimum Enclosing Ball Clustering. , 2007, , .		5
114	Two-stage svm classification for large data sets via randomly reducing and recovering training data. , 2007, , .		9
115	Passivity Analysis of Dynamic Neural Networks with Different Time-scales. Neural Processing Letters, 2007, 25, 143-155.	2.0	43
116	Recurrent Fuzzy CMAC for Nonlinear System Modeling. Lecture Notes in Computer Science, 2007, , 487-495.	1.0	2
117	Fuzzy Modeling Via On-Line Clustering and Support Vector Machine. Communications in Computer and Information Science, 2007, , 294-303.	0.4	0
118	Integrated Analytic Framework for Neural Network Construction. Lecture Notes in Computer Science, 2007, , 483-492.	1.0	0
119	PD Control of Overhead Crane with Velocity Estimation and Uncertainties Compensation. , 2006, , .		3
120	Structural Error Verification in Active Rule-Based Systems using Petri Nets. , 2006, , .		5
121	Support Vector Machine Classification Based on Fuzzy Clustering for Large Data Sets. Lecture Notes in Computer Science, 2006, , 572-582.	1.0	24
122	Fuzzy Neural Identification by Online Clustering with Application on Crude Oil Blending. , 2006, , .		1
123	Time-Delay Nonlinear System Modelling via Delayed Neural Networks. , 2006, , .		0
124	Fuzzy Knowledge Learning via Adaptive Fuzzy Petri Net with Triangular Function Model. , 2006, , .		9
125	PD Control of Overhead Crane Systems with Neural Compensation. Lecture Notes in Computer Science, 2006, , 1110-1115.	1.0	9
126	Anti-swing control for overhead crane with neural compensation. , 2006, , .		13

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127	Some stability properties of dynamic neural networks with different time-scales. , 2006, , .		9
128	Entropy-based algorithm for discovering groups with mixed type attributes. , 2006, , .		1
129	Support Vector Machine for Nonlinear System On-line Identification. , 2006, , .		4
130	Data Mining based on CMAC Neural Networks. , 2006, , .		6
131	Passivity Analysis for Neuro Identifier with Different Time-Scales. Lecture Notes in Computer Science, 2006, , 428-433.	1.0	0
132	Fuzzy Identification Using Fuzzy Neural Networks With Stable Learning Algorithms. IEEE Transactions on Fuzzy Systems, 2004, 12, 411-420.	6.5	231
133	ROBUST ADAPTIVE CONTROL USING NEURAL NETWORKS AND PROJECTION. , 2004, , .		0
134	System Identification Using Adjustable RBF Neural Network with Stable Learning Algorithms. Lecture Notes in Computer Science, 2004, , 212-217.	1.0	4
135	Robust Adaptive Control Using Neural Networks and Projection. Lecture Notes in Computer Science, 2004, , 77-82.	1.0	2
136	Discrete-time neuro identification without robust modification. IET Control Theory and Applications, 2003, 150, 311-316.	1.7	36
137	Adaptive control with multiple neural networks. , 2002, , .		2
138	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
139	Minimax control for discrete-time time-varying stochastic systems. Automatica, 2002, 38, 1991-1998.	3.0	2
140	Dynamic system identification via recurrent multilayer perceptrons. Information Sciences, 2002, 147, 45-63.	4.0	40
141	Some stability properties of dynamic neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 256-259.	0.1	73
142	Some new results on system identification with dynamic neural networks. IEEE Transactions on Neural Networks, 2001, 12, 412-417.	4.8	126
143	Multilayer dynamic neural networks for non-linear system on-line identification. International Journal of Control, 2001, 74, 1858-1864.	1.2	51
144	Adaptive fuzzy petri nets for dynamic knowledge representation and inference. Expert Systems With Applications, 2000, 19, 235-241.	4.4	93

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145	Observer-based neuro identifier. IET Control Theory and Applications, 2000, 147, 145-152.	1.7	22
146	Passive properties of dynamic neural networks. , 2000, , .		0
147	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
148	Modeling an electronic component manufacturing system using Object Oriented Colored Petri Nets. , 0, , .		0
149	PD control of robot with velocity estimation and uncertainties compensation. , 0, , .		1
150	Object oriented fuzzy Petri net for complex knowledge system modeling. , 0, , .		11
151	Fuzzy neural modeling using stable learning algorithm. , 0, , .		3
152	Measuring triggering-interactions complexity on active databases based on conditional colored petri nets. , 0, , .		1
153	Visual servoing with velocity observer and neural compensation. , 0, , .		0
154	Recurrent neural networks training with stable risk-sensitive Kalman filter algorithm. , 0, , .		4
155	Knowledge Verification of Active Rule-Based Systems. , 0, , 676-687.		0