

Hong-Sen Yan

List of Publications by Year in descending order

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83
papers

1,028
citations

430754

18
h-index

501076

28
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all docs

83
docs citations

83
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic tracking and dynamic regulation of SISO non-linear system based on discrete multi-dimensional Taylor network. IET Control Theory and Applications, 2017, 11, 1619-1626.	1.2	62
2	A new complicated-knowledge representation approach based on knowledge meshes. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 47-62.	4.0	61
3	Integrated Production Planning and Scheduling on Automobile Assembly Lines. IIE Transactions, 2003, 35, 711-725.	2.1	54
4	An Approach to Estimating Product Design Time Based on Fuzzy Support Vector Machine. IEEE Transactions on Neural Networks, 2007, 18, 721-731.	4.8	47
5	Adaptive multi-dimensional Taylor network tracking control for SISO uncertain stochastic non-linear systems. IET Control Theory and Applications, 2018, 12, 1107-1115.	1.2	47
6	Observer-based multi-dimensional Taylor network decentralised adaptive tracking control of large-scale stochastic nonlinear systems. International Journal of Control, 2020, 93, 1605-1618.	1.2	39
7	Stability analysis and dynamic regulation of multi-dimensional Taylor network controller for SISO nonlinear systems with time-varying delay. ISA Transactions, 2018, 73, 31-39.	3.1	37
8	Modeling, scheduling and simulation of product development process by extended stochastic high-level evaluation Petri nets. Robotics and Computer-Integrated Manufacturing, 2003, 19, 329-342.	6.1	36
9	Tube-Based Model Predictive Control Using Multidimensional Taylor Network for Nonlinear Time-Delay Systems. IEEE Transactions on Automatic Control, 2021, 66, 2099-2114.	3.6	33
10	Modelling, scheduling and simulation of flexible manufacturing systems using extended stochastic high-level evaluation Petri nets. Robotics and Computer-Integrated Manufacturing, 1998, 14, 121-140.	6.1	31
11	A hybrid electromagnetism-like algorithm for two-stage assembly flow shop scheduling problem. International Journal of Production Research, 2014, 52, 5626-5639.	4.9	29
12	Competitive diffusion process of repurchased products in knowledgeable manufacturing. European Journal of Operational Research, 2011, 208, 243-252.	3.5	28
13	Optimal output-feedback tracking of SISO stochastic nonlinear systems using multi-dimensional Taylor network. Transactions of the Institute of Measurement and Control, 2018, 40, 3049-3058.	1.1	28
14	A Case Study on Integrated Production Planning and Scheduling in a Three-Stage Manufacturing System. IEEE Transactions on Automation Science and Engineering, 2007, 4, 86-92.	3.4	26
15	Decentralized adaptive multi-dimensional Taylor network tracking control for a class of large-scale stochastic nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2019, 33, 664-683.	2.3	26
16	Computing Completion Time and Optimal Scheduling of Design Activities in Concurrent Product Development Process. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 76-89.	3.4	23
17	Modeling, scheduling and control of flexible manufacturing systems by extended high-level evaluation Petri nets. IIE Transactions, 1997, 29, 147-158.	2.1	21
18	A Forecasting Model Based Support Vector Machine and Particle Swarm Optimization. , 2008, , .		21

#	ARTICLE	IF	CITATIONS
19	Integrated production planning and scheduling for a mixed batch job-shop based on alternant iterative genetic algorithm. <i>Journal of the Operational Research Society</i> , 2015, 66, 1250-1258.	2.1	20
20	A Quantitative Approach to the Process Modeling and Planning in Concurrent Engineering. <i>Concurrent Engineering Research and Applications</i> , 2002, 10, 97-111.	2.0	19
21	Multidimensional Taylor network adaptive control for MIMO time-varying uncertain nonlinear systems with noises. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 397-420.	2.1	17
22	An interaction/prediction approach to hierarchical production planning and control with delay interaction. <i>Computer Integrated Manufacturing Systems</i> , 1997, 10, 309-320.	0.1	16
23	A new bottleneck detecting approach to productivity improvement of knowledgeable manufacturing system. <i>Journal of Intelligent Manufacturing</i> , 2010, 21, 665-680.	4.4	16
24	MTN optimal control of MIMO non-affine nonlinear time-varying discrete systems for tracking only by output feedback. <i>Journal of the Franklin Institute</i> , 2019, 356, 4304-4334.	1.9	15
25	An interoperable adaptive scheduling strategy for knowledgeable manufacturing based on SMGWQ-learning. <i>Journal of Intelligent Manufacturing</i> , 2016, 27, 1085-1095.	4.4	14
26	Identification and adaptive multi-dimensional Taylor network control of single-input single-output non-linear uncertain time-varying systems with noise disturbances. <i>IET Control Theory and Applications</i> , 2019, 13, 841-853.	1.2	14
27	Inverse control of multi-dimensional Taylor network for permanent magnet synchronous motor. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2017, 36, 1676-1689.	0.5	12
28	Multidimensional Taylor network optimal control of SISO nonlinear systems for tracking by output feedback. <i>Optimal Control Applications and Methods</i> , 2018, 39, 919-932.	1.3	12
29	Multi-dimensional Taylor network modelling and optimal control of SISO nonlinear systems for tracking by output feedback. <i>IMA Journal of Mathematical Control and Information</i> , 2020, 37, 699-717.	1.1	12
30	An interaction/ prediction approach to solving problems of production planning in flexible automation workshops. <i>International Journal of Computer Integrated Manufacturing</i> , 1998, 11, 513-523.	2.9	10
31	Automatic construction and optimization of knowledge mesh for self-reconfiguration of knowledgeable manufacturing system. <i>Expert Systems With Applications</i> , 2012, 39, 1799-1810.	4.4	10
32	Simultaneous batch splitting and scheduling on identical parallel production lines. <i>Information Sciences</i> , 2013, 221, 501-519.	4.0	10
33	MTN output feedback tracking control for MIMO discrete-time uncertain nonlinear systems. <i>ISA Transactions</i> , 2021, 111, 71-81.	3.1	10
34	A multi-dimensional Taylor network (MTN)-based approach for nonlinear stochastic systems tracking control. , 2015, , .		9
35	Robust model predictive control based on recurrent multi-dimensional Taylor network for discrete-time non-linear time-delay systems. <i>IET Control Theory and Applications</i> , 2020, 14, 1806-1818.	1.2	9
36	Karmarkar's and interaction/prediction algorithms for hierarchical production planning for the highest business benefit. <i>Computers in Industry</i> , 2002, 49, 141-155.	5.7	8

#	ARTICLE	IF	CITATIONS
37	Asymptotically tracking and dynamic regulation of SISO nonlinear system based on multi-dimensional Taylor network controller. , 2015, , .		8
38	Tracking control and dynamic regulation of time-varying delay nonlinear systems with actuator saturation via multi-dimensional Taylor networks. Journal of the Franklin Institute, 2020, 357, 4759-4778.	1.9	8
39	Asymptotic Tracking and Dynamic Regulation of MIMO Nonaffine Nonlinear System With Actuator Saturation via Multidimensional Taylor Network Controller. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4937-4949.	5.9	8
40	Hierarchical production planning with demand constraints. Computers and Industrial Engineering, 2004, 46, 533-551.	3.4	7
41	Nonlinear Time-varying Systems Identification Based on Multi-dimensional Taylor Network and Variable Forgetting Factor Recursive Least Squares Algorithm. IFAC-PapersOnLine, 2015, 48, 1103-1107.	0.5	7
42	Lagrangean relaxation approach to joint optimization for production planning and scheduling of synchronous assembly lines. International Journal of Production Research, 2016, 54, 6718-6735.	4.9	7
43	Product Sales Forecasting Model Based on Robust Wavelet & Support Vector Machine. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 1027-1032.	0.3	7
44	Hierarchical stochastic production planning for the highest business benefit. Robotics and Computer-Integrated Manufacturing, 2001, 17, 405-419.	6.1	6
45	A SHORT-TERM FORECASTING MODEL WITH INHIBITING NORMAL DISTRIBUTION NOISE OF SALE SERIES. Applied Artificial Intelligence, 2013, 27, 496-519.	2.0	6
46	Optimal tracking control of MISO nonlinear systems based on multi-dimensional Taylor network only by output feedback. , 2015, , .		6
47	Adaptive tracking control for stochastic nonlinear systems with time-varying delays using multi-dimensional Taylor network. ISA Transactions, 2023, 132, 246-257.	3.1	6
48	Hierarchical stochastic production planning for flexible automation workshops. Computers and Industrial Engineering, 2000, 38, 435-455.	3.4	5
49	Practical solution approaches to solve a hierarchical stochastic production planning problem in a flexible automated workshop in China. IIE Transactions, 2003, 35, 103-115.	2.1	5
50	Control of knowledgeable manufacturing cell with an unreliable agent. Journal of Intelligent Manufacturing, 2009, 20, 671-682.	4.4	5
51	Method for Product Design Time Forecasting Based on Support Vector Regression with Probabilistic Constraints. Applied Artificial Intelligence, 2015, 29, 297-312.	2.0	5
52	A scheduling procedure for a flow shop-like knowledgeable manufacturing cell with self-evolutionary features. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 2296-2306.	1.5	5
53	Multi-Dimensional Taylor Network (MTN)-Based Adaptive Tracking Control for a Class of Nonlinear Systems with Input Constraints. , 2018, , .		5
54	Product Design Time Forecasting by Kernel-Based Regression with Gaussian Distribution Weights. Entropy, 2016, 18, 231.	1.1	4

#	ARTICLE	IF	CITATIONS
55	Multi-dimensional Taylor network adaptive predictive control for single-input single-output nonlinear systems with input time-delay. Transactions of the Institute of Measurement and Control, 2022, 44, 595-608.	1.1	4
56	An iterative learning method for multi-cycle flexible production/inventory control under random demands. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2591-2607.	0.8	3
57	Hedging-point control policy for a failure-prone manufacturing system. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 1479-1487.	1.5	3
58	Time-varying Nonlinear Discrete-time Systems Identification Based on the Convex Combination of Two Multi-dimensional Taylor Networks. , 2018, , .		3
59	An adaptive scheduling system in knowledgeable manufacturing based on multi-agent. , 2013, , .		2
60	Time series forecasting based on the empirical mode decomposition multi-dimensional Taylor network model. , 2013, , .		2
61	Integrated scheduling and self-reconfiguration for assembly job shop in knowledgeable manufacturing. International Journal of Production Research, 2015, 53, 1746-1760.	4.9	2
62	Deadlock-free scheduling of knowledgeable manufacturing cell with multiple machines and products. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1834-1847.	1.5	2
63	Multi-dimensional Taylor network optimal control of aircraft flight. , 2017, , .		2
64	Multidimensional Taylor Network Optimal Control of MIMO Nonlinear Systems without Models for Tracking by Output Feedback. Mathematical Problems in Engineering, 2017, 2017, 1-9.	0.6	2
65	Multi-dimensional Taylor Network Optimal Control in Plane Symmetrical Cruise Missile Flight for Attacking Static Targets. , 2018, , .		2
66	Integrated optimization of production planning and scheduling in uncertain re-entrance environment for fixed-position assembly workshops. Journal of Intelligent and Fuzzy Systems, 2022, 42, 1705-1722.	0.8	2
67	MTN-based recursive i -step-ahead predictive control of MIMO nonlinear systems with unknown input time-delay in industrial process. Assembly Automation, 2022, 42, 474-489.	1.0	2
68	Clustering and selection of knowledge meshes of knowledgeable manufacturing systems based on decomposition of fuzzy relational data. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1622-1634.	1.5	1
69	The retrieval method of KMS knowledge meshes by complexity analysis. International Journal of Production Research, 2016, 54, 4599-4616.	4.9	1
70	A multi-objective scheduling algorithm with self-evolutionary feature for job-shop-like knowledgeable manufacturing cell. Journal of Intelligent Manufacturing, 2017, 28, 337-351.	4.4	1
71	Multi-dimensional Taylor Network Optimal Control for Dynamic Positioning of Offshore Oil Drilling Platform. , 2018, , .		1
72	Adaptive Multi-dimensional Taylor Network Control for Cement Calciner Outlet Temperature. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
73	Self-evolution of a flexible job shop in the knowledgeable manufacturing environment. , 2013, , .		0
74	Production planning of series-parallel hybrid shop when multi-users' demand exceeding supply. , 2016, , .		0
75	Self-reconfiguration and optimisation of knowledge meshes with similar knowledge points. International Journal of Computer Integrated Manufacturing, 2016, 29, 933-943.	2.9	0
76	Multi-Dimensional Taylor Network Optimal Control of Torpedo Running. , 2018, , .		0
77	Nonlinear Model Predictive Control Using State-space Recurrent Multi-dimensional Taylor Network. , 2018, , .		0
78	MTN Optimal Tracking Control of SISO Nonlinear Time-Varying Discrete-Time Systems without Mechanism Models. Mathematical Problems in Engineering, 2018, 2018, 1-19.	0.6	0
79	Matching decision method for knowledgeable manufacturing system and its production environment. Journal of Intelligent Manufacturing, 2019, 30, 771-782.	4.4	0
80	Inverse control of single-input/single-output nonlinear time-varying systems with noise disturbances by multi-dimensional Taylor network. Transactions of the Institute of Measurement and Control, 2020, 42, 2450-2464.	1.1	0
81	MTN Optimal Control of SISO Nonlinear Time-varying Discrete-time Systems for Tracking by Output Feedback. Intelligent Automation and Soft Computing, 0, , 1-23.	1.6	0
82	Time series forecasting based on a multidimensional Taylor network model with clustering of dynamic characteristics. Journal of the Operational Research Society, 2022, 73, 2660-2669.	2.1	0
83	Data-based modeling and identification for general nonlinear dynamical systems by the multidimensional Taylor network. Kybernetes, 2022, ahead-of-print, .	1.2	0