

Yiliu Tu

List of Publications by Year in descending order

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64
papers

1,001
citations

471371

17
h-index

501076

28
g-index

65
all docs

65
docs citations

65
times ranked

662
citing authors

#	ARTICLE	IF	CITATIONS
1	Production planning and control in a virtual One-of-a-Kind Production company. Computers in Industry, 1997, 34, 271-283.	5.7	66
2	Computer-aided process planning in virtual one-of-a-kind production. Computers in Industry, 2000, 41, 99-110.	5.7	64
3	Ensemble of Surrogates for Dual Response Surface Modeling in Robust Parameter Design. Quality and Reliability Engineering International, 2013, 29, 173-197.	1.4	54
4	Economic and economic-statistical designs of an control chart for two-unit series systems with condition-based maintenance. European Journal of Operational Research, 2013, 226, 491-499.	3.5	48
5	A new Bayesian approach to multi-response surface optimization integrating loss function with posterior probability. European Journal of Operational Research, 2016, 249, 231-237.	3.5	48
6	Rapid identification of the optimal product configuration and its parameters based on customer-centric product modeling for one-of-a-kind production. Computers in Industry, 2010, 61, 270-279.	5.7	36
7	A dynamic pricing strategy for a 3PL provider with heterogeneous customers. International Journal of Production Economics, 2015, 169, 31-43.	5.1	36
8	An interval approach to robust design with parameter uncertainty. International Journal of Production Research, 2016, 54, 3201-3215.	4.9	35
9	Supplier credit guarantee loan in supply chain with financial constraint and bargaining. International Journal of Production Research, 2019, 57, 7158-7173.	4.9	33
10	A supply chain network economic model with time-based competition. European Journal of Operational Research, 2020, 280, 889-908.	3.5	29
11	A new loss function for multi-response optimization with model parameter uncertainty and implementation errors. European Journal of Operational Research, 2017, 258, 552-563.	3.5	28
12	Customer satisfaction service match and service quality-based blockchain cloud manufacturing. International Journal of Production Economics, 2021, 240, 108220.	5.1	24
13	An efficient heuristic for adaptive production scheduling and control in one-of-a-kind production. Computers and Operations Research, 2011, 38, 267-276.	2.4	23
14	Material removal effect of microchannel processing by femtosecond laser. Optics and Lasers in Engineering, 2017, 98, 69-75.	2.0	22
15	Influence of processing parameters on the structure size of microchannel processed by femtosecond laser. Optics and Laser Technology, 2018, 106, 47-51.	2.2	22
16	Economic parameter design for ultra-fast laser micro-drilling process. International Journal of Production Research, 2019, 57, 6292-6314.	4.9	21
17	Closed-loop control in ultrafast laser milling process using laser triggered plasma. International Journal of Machine Tools and Manufacture, 2012, 60, 35-39.	6.2	19
18	A quality control method for complex product selective assembly processes. International Journal of Production Research, 2013, 51, 5437-5449.	4.9	19

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19	Robust parameter design based on Gaussian process with model uncertainty. International Journal of Production Research, 2021, 59, 2772-2788.	4.9	19
20	Optimal resource allocation for hybrid flow shop in one-of-a-kind production. International Journal of Computer Integrated Manufacturing, 2010, 23, 146-154.	2.9	18
21	The threshold intensity measurement in the femtosecond laser ablation by defocusing. Optics and Lasers in Engineering, 2012, 50, 767-771.	2.0	17
22	A heuristic for adaptive production scheduling and control in flow shop production. International Journal of Production Research, 2011, 49, 3151-3170.	4.9	16
23	Modelling and optimisation of a femtosecond laser micro-machining process for micro-hole array products. International Journal of Advanced Manufacturing Technology, 2016, 82, 1293-1303.	1.5	16
24	Multi-image mosaic with SIFT and vision measurement for microscale structures processed by femtosecond laser. Optics and Lasers in Engineering, 2018, 100, 124-130.	2.0	16
25	Automatic scheduling and control of a ship web welding assembly line. Computers in Industry, 1996, 29, 169-177.	5.7	15
26	Real-time scheduling and control of one-of-a kind production. Production Planning and Control, 1997, 8, 701-710.	5.8	15
27	Operator allocation planning for reconfigurable production line in one-of-a-kind production. International Journal of Production Research, 2011, 49, 689-705.	4.9	15
28	A prediction-correction scheme for microchannel milling using femtosecond laser. Optics and Lasers in Engineering, 2017, 91, 115-123.	2.0	14
29	Dynamic price quotation in a responsive supply chain for one-of-a-kind production. International Journal of Production Economics, 2012, 139, 275-287.	5.1	13
30	Robust optimisation of Nd: YLF laser beam micro-drilling process using Bayesian probabilistic approach. International Journal of Production Research, 2016, 54, 6644-6659.	4.9	13
31	Ensemble modeling based on 0-1 programming in micro-manufacturing process. Computers and Industrial Engineering, 2018, 123, 242-253.	3.4	12
32	Bayesian modeling and optimization for multi-response surfaces. Computers and Industrial Engineering, 2020, 142, 106357.	3.4	12
33	Theoretical and experimental analysis of the impact on ablation depth of microchannel milling using femtosecond laser. Optics and Lasers in Engineering, 2018, 103, 77-82.	2.0	11
34	Simultaneous multi-response optimisation for parameter and tolerance design using Bayesian modelling method. International Journal of Production Research, 2021, 59, 2269-2293.	4.9	11
35	An interval programming model for continuous improvement in micro-manufacturing. Engineering Optimization, 2018, 50, 400-414.	1.5	10
36	Supply chain information sharing under consideration of bullwhip effect and system robustness. Flexible Services and Manufacturing Journal, 2021, 33, 337-380.	1.9	10

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37	Economic quality design under model uncertainty in micro-drilling manufacturing process. International Journal of Production Research, 0, , 1-19.	4.9	10
38	A Prediction Region-based Approach to Model Uncertainty for Multi-response Optimization. Quality and Reliability Engineering International, 2016, 32, 783-794.	1.4	9
39	Evaluating Supplier Performance Using DEA and Piecewise Triangular Fuzzy AHP. Journal of Computing and Information Science in Engineering, 2008, 8, .	1.7	8
40	Scheduling with compressible and stochastic release dates. Computers and Operations Research, 2013, 40, 1758-1765.	2.4	8
41	A Grasshopper Optimization-Based Approach for Task Assignment in Cloud Logistics. Mathematical Problems in Engineering, 2020, 2020, 1-10.	0.6	8
42	An effective focusing setting in femtosecond laser multiple pulse ablation. Optics and Laser Technology, 2013, 54, 30-34.	2.2	7
43	Multi-response online parameter design based on Bayesian vector autoregression model. Computers and Industrial Engineering, 2020, 149, 106775.	3.4	7
44	A method for man hour optimisation and workforce allocation problem with discrete and non-numerical constraints in large-scale one-of-a-kind production. International Journal of Production Research, 2016, 54, 864-877.	4.9	6
45	A high precision scheme for micro-channel processing in quartz glass using femtosecond laser. Microwave and Optical Technology Letters, 2017, 59, 1993-2000.	0.9	6
46	A novel approach for non-normal multi-response optimisation problems. International Journal of Production Research, 2021, 59, 7194-7215.	4.9	6
47	Bayesian robust parameter design for ordered response. International Journal of Production Research, 2022, 60, 3630-3650.	4.9	6
48	Image feature analysis of plasma spot produced from femtosecond laser ablation for silicon wafer. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2017, 16, 025003.	1.0	5
49	Pseudo-color enhancement and its segmentation for femtosecond laser spot image. Microwave and Optical Technology Letters, 2018, 60, 854-865.	0.9	5
50	Ensemble modelling technique for a micro-drilling process based on a two-stage bootstrap. Engineering Optimization, 2019, 51, 503-519.	1.5	5
51	Integrated multiresponse parameter and tolerance design with model parameter uncertainty. Quality and Reliability Engineering International, 2020, 36, 414-433.	1.4	5
52	Buckling Failure Analysis of Hydraulic Cylinder Rod on the Flap Institutions for Power Catwalk. Journal of Failure Analysis and Prevention, 2019, 19, 561-569.	0.5	4
53	Robust multi-response surface optimisation based on Bayesian quantile model. International Journal of Production Research, 2023, 61, 3260-3278.	4.9	4
54	Femtosecond laser ablation power level identification based on the ablated spot image. International Journal of Advanced Manufacturing Technology, 2018, 94, 2605-2612.	1.5	3

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55	Automatic determination of operation sequence for material handling and equipment set-up in one-of-a-kind production. International Journal of Computer Integrated Manufacturing, 1997, 10, 435-445.	2.9	2
56	Multivariate setup adjustment with fixed adjustment cost. International Journal of Production Research, 2013, 51, 1392-1404.	4.9	2
57	Contract Design for Cloud Logistics (CL) Based on Blockchain Technology (BT). Complexity, 2020, 2020, 1-13.	0.9	2
58	Analysis of overlapping rate of spot derived from ablated monocrystalline silicon by femtosecond laser. Journal of Laser Applications, 2020, 32, 032026.	0.8	1
59	Modeling and optimization for multiple correlated responses with distribution variability. IJSE Transactions, 2023, 55, 480-495.	1.6	1
60	Research of Task Scheduling Problem in Product Data Management. , 2006, , .		0
61	Dynamic and adaptive price quotation in a Make-To-Order company. , 2011, , .		0
62	A Bayesian Meta-Modeling Approach for Gaussian Stochastic Process Models Using a Non Informative Prior. Communications in Statistics - Theory and Methods, 2012, 41, 829-850.	0.6	0
63	A two-step feedrate planning of polygonal path for micro laser-cutting machines. International Journal of Advanced Manufacturing Technology, 2019, 103, 4135-4145.	1.5	0
64	Research on the spindle deflecting reliability of the wellbore trajectory control tool based on Palmgren-Miner. Journal of Mechanical Science and Technology, 2020, 34, 4925-4931.	0.7	0