

# Yiliu Tu

## List of Publications by Year in descending order

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64  
papers

1,001  
citations

471371

17  
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501076

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65  
all docs

65  
docs citations

65  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust multi-response surface optimisation based on Bayesian quantile model. International Journal of Production Research, 2023, 61, 3260-3278.	4.9	4
2	Modeling and optimization for multiple correlated responses with distribution variability. IISE Transactions, 2023, 55, 480-495.	1.6	1
3	Bayesian robust parameter design for ordered response. International Journal of Production Research, 2022, 60, 3630-3650.	4.9	6
4	A novel approach for non-normal multi-response optimisation problems. International Journal of Production Research, 2021, 59, 7194-7215.	4.9	6
5	Robust parameter design based on Gaussian process with model uncertainty. International Journal of Production Research, 2021, 59, 2772-2788.	4.9	19
6	Supply chain information sharing under consideration of bullwhip effect and system robustness. Flexible Services and Manufacturing Journal, 2021, 33, 337-380.	1.9	10
7	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
8	Customer satisfaction service match and service quality-based blockchain cloud manufacturing. International Journal of Production Economics, 2021, 240, 108220.	5.1	24
9	A supply chain network economic model with time-based competition. European Journal of Operational Research, 2020, 280, 889-908.	3.5	29
10	Integrated multiresponse parameter and tolerance design with model parameter uncertainty. Quality and Reliability Engineering International, 2020, 36, 414-433.	1.4	5
11	Multi-response online parameter design based on Bayesian vector autoregression model. Computers and Industrial Engineering, 2020, 149, 106775.	3.4	7
12	Analysis of overlapping rate of spot derived from ablated monocrystalline silicon by femtosecond laser. Journal of Laser Applications, 2020, 32, 032026.	0.8	1
13	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
14	Contract Design for Cloud Logistics (CL) Based on Blockchain Technology (BT). Complexity, 2020, 2020, 1-13.	0.9	2
15	Bayesian modeling and optimization for multi-response surfaces. Computers and Industrial Engineering, 2020, 142, 106357.	3.4	12
16	A Grasshopper Optimization-Based Approach for Task Assignment in Cloud Logistics. Mathematical Problems in Engineering, 2020, 2020, 1-10.	0.6	8
17	Ensemble modelling technique for a micro-drilling process based on a two-stage bootstrap. Engineering Optimization, 2019, 51, 503-519.	1.5	5
18	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

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19	Economic parameter design for ultra-fast laser micro-drilling process. International Journal of Production Research, 2019, 57, 6292-6314.	4.9	21
20	Supplier credit guarantee loan in supply chain with financial constraint and bargaining. International Journal of Production Research, 2019, 57, 7158-7173.	4.9	33
21	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
22	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
23	Pseudo-color enhancement and its segmentation for femtosecond laser spot image. Microwave and Optical Technology Letters, 2018, 60, 854-865.	0.9	5
24	An interval programming model for continuous improvement in micro-manufacturing. Engineering Optimization, 2018, 50, 400-414.	1.5	10
25	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
26	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
27	Ensemble modeling based on $\epsilon$ -programming in micro-manufacturing process. Computers and Industrial Engineering, 2018, 123, 242-253.	3.4	12
28	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
29	A prediction-correction scheme for microchannel milling using femtosecond laser. Optics and Lasers in Engineering, 2017, 91, 115-123.	2.0	14
30	Material removal effect of microchannel processing by femtosecond laser. Optics and Lasers in Engineering, 2017, 98, 69-75.	2.0	22
31	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
32	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
33	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
34	A Prediction Region-based Approach to Model Uncertainty for Multi-response Optimization. Quality and Reliability Engineering International, 2016, 32, 783-794.	1.4	9
35	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
36	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

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37	An interval approach to robust design with parameter uncertainty. International Journal of Production Research, 2016, 54, 3201-3215.	4.9	35
38	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
39	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
40	A dynamic pricing strategy for a 3PL provider with heterogeneous customers. International Journal of Production Economics, 2015, 169, 31-43.	5.1	36
41	Ensemble of Surrogates for Dual Response Surface Modeling in Robust Parameter Design. Quality and Reliability Engineering International, 2013, 29, 173-197.	1.4	54
42	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
43	Scheduling with compressible and stochastic release dates. Computers and Operations Research, 2013, 40, 1758-1765.	2.4	8
44	An effective focusing setting in femtosecond laser multiple pulse ablation. Optics and Laser Technology, 2013, 54, 30-34.	2.2	7
45	A quality control method for complex product selective assembly processes. International Journal of Production Research, 2013, 51, 5437-5449.	4.9	19
46	Multivariate setup adjustment with fixed adjustment cost. International Journal of Production Research, 2013, 51, 1392-1404.	4.9	2
47	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
48	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
49	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
50	The threshold intensity measurement in the femtosecond laser ablation by defocusing. Optics and Lasers in Engineering, 2012, 50, 767-771.	2.0	17
51	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
52	Dynamic and adaptive price quotation in a Make-To-Order company. , 2011, , .		0
53	A heuristic for adaptive production scheduling and control in flow shop production. International Journal of Production Research, 2011, 49, 3151-3170.	4.9	16
54	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

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55	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
56	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
57	Evaluating Supplier Performance Using DEA and Piecewise Triangular Fuzzy AHP. Journal of Computing and Information Science in Engineering, 2008, 8, .	1.7	8
58	Research of Task Scheduling Problem in Product Data Management. , 2006, , .		0
59	Computer-aided process planning in virtual one-of-a-kind production. Computers in Industry, 2000, 41, 99-110.	5.7	64
60	Real-time scheduling and control of one-of-a kind production. Production Planning and Control, 1997, 8, 701-710.	5.8	15
61	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
62	Production planning and control in a virtual One-of-a-Kind Production company. Computers in Industry, 1997, 34, 271-283.	5.7	66
63	Automatic scheduling and control of a ship web welding assembly line. Computers in Industry, 1996, 29, 169-177.	5.7	15
64	Economic quality design under model uncertainty in micro-drilling manufacturing process. International Journal of Production Research, 0, , 1-19.	4.9	10