Chun Kit Kwong

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97 papers	2,492 citations	30 h-index	44 g-index
105 ext. papers	2,852 ext. citations	5.8 avg, IF	5.39 L-index

#	Paper	IF	Citations
97	Determining the Importance Weights for the Customer Requirements in QFD Using a Fuzzy AHP with an Extent Analysis Approach. *IIE Transactions*, **2003**, 35, 619-626		309
96	Combining scoring method and fuzzy expert systems approach to supplier assessment: a case study. *Journal of Manufacturing Technology Management*, **2002**, 13, 512-519		88
95	A methodology of determining aggregated importance of engineering characteristics in QFD. *Computers and Industrial Engineering*, **2007**, 53, 667-679	6.4	74
94	A methodology of generating customer satisfaction models for new product development using a neuro-fuzzy approach. *Expert Systems With Applications*, **2009**, 36, 11262-11270	7.8	69
93	Differential evolution-based optimal Gabor filter model for fabric inspection. *Neurocomputing*, **2016**, 173, 1386-1401	5.4	68
92	Supplier pre-selection for platform-based products: a multi-objective approach. *International Journal of Production Research*, **2014**, 52, 1-19	7.8	64
91	Coordination of the closed-loop supply chain for product line design with consideration of remanufactured products. *Journal of Cleaner Production*, **2016**, 114, 286-298	10.3	62
90	AI-based methodology of integrating affective design, engineering, and marketing for defining design specifications of new products. *Engineering Applications of Artificial Intelligence*, **2016**, 47, 49-60	7.2	59
89	Modeling customer satisfaction for new product development using a PSO-based ANFIS approach. *Applied Soft Computing Journal*, **2012**, 12, 726-734	7.5	55
88	A multi-objective genetic algorithm approach to rule mining for affective product design. *Expert Systems With Applications*, **2012**, 39, 7411-7419	7.8	50
87	Optimization of software components selection for component-based software system development. *Computers and Industrial Engineering*, **2010**, 58, 618-624	6.4	49
86	On type-2 fuzzy sets and their t-norm operations. *Information Sciences*, **2014**, 255, 58-81	7.7	47
85	Case-based reasoning approach to concurrent design of low power transformers. *Journal of Materials Processing Technology*, **2002**, 128, 136-141	5.3	46
84	Chaos particle swarm optimization and T-S fuzzy modeling approaches to constrained predictive control. *Expert Systems With Applications*, **2012**, 39, 194-201	7.8	43
83	Application of case based reasoning injection moulding. *Journal of Materials Processing Technology*, **1997**, 63, 463-467	5.3	43
82	Integrated product line design and supplier selection: A multi-objective optimization paradigm. *Computers and Industrial Engineering*, **2014**, 70, 150-158	6.4	41
81	Reducing overfitting in manufacturing process modeling using a backward elimination based genetic programming. *Applied Soft Computing Journal*, **2011**, 11, 1648-1656	7.5	39

80	An optimization model for software component selection under multiple applications development. *European Journal of Operational Research*, **2011**, 212, 301-311	5.6	39
79	A novel fuzzy group decision-making approach to prioritising engineering characteristics in QFD under uncertainties. *International Journal of Production Research*, **2011**, 49, 5801-5820	7.8	39
78	Optimisation of fault-tolerant fabric-cutting schedules using genetic algorithms and fuzzy set theory. *European Journal of Operational Research*, **2007**, 177, 1876-1893	5.6	39
77	A methodology of integrating affective design with defining engineering specifications for product design. *International Journal of Production Research*, **2015**, 53, 2472-2488	7.8	38
76	Modeling manufacturing processes using a genetic programming-based fuzzy regression with detection of outliers. *Information Sciences*, **2010**, 180, 506-518	7.7	37
75	Integrating supplier selection in optimal product family design. *International Journal of Production Research*, **2011**, 49, 4195-4222	7.8	36
74	A novel methodology for simultaneous consideration of remanufactured and new products in product line design. *International Journal of Production Economics*, **2015**, 169, 127-140	9.3	34
73	A Hybrid Neural Network and Genetic Algorithm Approach to the Determination of Initial Process Parameters for Injection Moulding. *International Journal of Advanced Manufacturing Technology*, **2001**, 18, 404-409	3.2	34
72	Learning the Whys Discovering design rationale using text mining An algorithm perspective. *CAD Computer Aided Design*, **2012**, 44, 916-930	2.9	33
71	Rough set and PSO-based ANFIS approaches to modeling customer satisfaction for affective product design. *Advanced Engineering Informatics*, **2015**, 29, 727-738	7.4	31
70	Market segmentation and ideal point identification for new product design using fuzzy data compression and fuzzy clustering methods. *Applied Soft Computing Journal*, **2012**, 12, 1371-1378	7.5	31
69	A genetic programming based fuzzy regression approach to modelling manufacturing processes. *International Journal of Production Research*, **2010**, 48, 1967-1982	7.8	31
68	An intelligent hybrid system for initial process parameter setting of injection moulding. *International Journal of Production Research*, **2000**, 38, 4565-4576	7.8	31
67	Time series forecasting by neural networks: A knee point-based multiobjective evolutionary algorithm approach. *Expert Systems With Applications*, **2014**, 41, 8049-8061	7.8	30
66	Modelling and optimization of fluid dispensing for electronic packaging using neural fuzzy networks and genetic algorithms. *Engineering Applications of Artificial Intelligence*, **2010**, 23, 18-26	7.2	27
65	What makes consumers unsatisfied with your products: Review analysis at a fine-grained level. *Engineering Applications of Artificial Intelligence*, **2016**, 47, 38-48	7.2	26
64	An expert system to support the optimization of ion plating process: an OLAP-based fuzzy-cum-GA approach. *Expert Systems With Applications*, **2003**, 25, 313-330	7.8	26
63	Affective design using machine learning: a survey and its prospect of conjoining big data. *International Journal of Computer Integrated Manufacturing*, **2020**, 33, 645-669	4.3	25

62	A guided search genetic algorithm using mined rules for optimal affective product design. *Engineering Optimization*, **2014**, 46, 1094-1108	2	24
61	Return and refund policy for product and core service bundling in the dual-channel supply chain. *International Transactions in Operational Research*, **2019**, 26, 223-247	2.9	24
60	Joint decision of product configuration and remanufacturing for product family design. *International Journal of Production Research*, **2016**, 54, 4689-4702	7.8	23
59	A cooperative negotiation embedded NSGA-II for solving an integrated product family and supply chain design problem with remanufacturing consideration. *Applied Soft Computing Journal*, **2017**, 57, 19-34	7.5	22
58	Dynamic modelling of customer preferences for product design using DENFIS and opinion mining. *Advanced Engineering Informatics*, **2019**, 42, 100969	7.4	22
57	A genetic algorithm based knowledge discovery system for the design of fluid dispensing processes for electronic packaging. *Expert Systems With Applications*, **2009**, 36, 3829-3838	7.8	22
56	The Hybrid Fuzzy Least-Squares Regression Approach to Modeling Manufacturing Processes. *IEEE Transactions on Fuzzy Systems*, **2008**, 16, 644-651	8.3	22
55	A multiobjective optimization-based neural network model for short-term replenishment forecasting in fashion industry. *Neurocomputing*, **2015**, 151, 342-353	5.4	21
54	Optimal product positioning with consideration of negative utility effect on consumer choice rule. *Decision Support Systems*, **2012**, 54, 402-413	5.6	21
53	A new orthogonal array based crossover, with analysis of gene interactions, for evolutionary algorithms and its application to car door design. *Expert Systems With Applications*, **2010**, 37, 3853-3862	7.8	21
52	A New Design Rationale Representation Model for Rationale Mining. *Journal of Computing and Information Science in Engineering*, **2010**, 10,	2.4	20
51	A real-time risk control and monitoring system for incident handling in wine storage. *Expert Systems With Applications*, **2013**, 40, 3665-3678	7.8	19
50	A real-time hybrid information-sharing and decision support system for the mould industry. *Journal of High Technology Management Research*, **2010**, 21, 64-77	2.4	19
49	Improved orthogonal array based simulated annealing for design optimization. *Expert Systems With Applications*, **2009**, 36, 7379-7389	7.8	19
48	Optimization of manual fabric-cutting process in apparel manufacture using genetic algorithms. *International Journal of Advanced Manufacturing Technology*, **2005**, 27, 152-158	3.2	19
47	Fabric Defect Detection for Apparel Industry: A Nonlocal Sparse Representation Approach. *IEEE Access*, **2017**, 1-1	3.5	17
46	Determining optimal levels of engineering characteristics in quality function deployment under multi-segment market. *Computers and Industrial Engineering*, **2010**, 59, 126-135	6.4	17
45	The process modelling of epoxy dispensing for microchip encapsulation using fuzzy linear regression with fuzzy intervals. *International Journal of Advanced Manufacturing Technology*, **2003**, 22, 417-423	3.2	17

44	Optimization of process conditions for the transfer molding of electronic packages. *Journal of Materials Processing Technology*, **2003**, 138, 361-365	5.3	17
43	A system dynamics model for evaluating food waste management in Hong Kong, China. *Journal of Material Cycles and Waste Management*, **2019**, 21, 433-456	3.4	17
42	A multi-objective evolutionary approach for fuzzy regression analysis. *Expert Systems With Applications*, **2019**, 130, 225-235	7.8	16
41	Fuzzy regression approach to modelling transfer moulding for microchip encapsulation. *Journal of Materials Processing Technology*, **2003**, 140, 147-151	5.3	16
40	Determining the optimal quantity and quality levels of used product returns for remanufacturing under multi-period and uncertain quality of returns. *International Journal of Advanced Manufacturing Technology*, **2018**, 94, 4401-4414	3.2	15
39	Solving the two-dimensional irregular objects allocation problems by using a two-stage packing approach. *Expert Systems With Applications*, **2009**, 36, 3489-3496	7.8	15
38	A hybrid scheduling decision support model for minimizing job tardiness in a make-to-order based mould manufacturing environment. *Expert Systems With Applications*, **2011**, 38, 1931-1941	7.8	15
37	TakagiSugeno neural fuzzy modeling approach to fluid dispensing for electronic packaging. *Expert Systems With Applications*, **2008**, 34, 2111-2119	7.8	15
36	Optimizing customer's selection for configurable product in B2C e-commerce application. *Computers in Industry*, **2008**, 59, 767-776	11.6	15
35	Polynomial modeling for time-varying systems based on a particle swarm optimization algorithm. *Information Sciences*, **2011**, 181, 1623-1640	7.7	14
34	Design of maintenance system in MRPII. *Journal of Quality in Maintenance Engineering*, **2000**, 6, 177-191	1.1	13
33	Probabilistic fuzzy regression approach for preference modeling. *Engineering Applications of Artificial Intelligence*, **2017**, 64, 286-294	7.2	12
32	Process optimisation of transfer moulding for electronic packages using artificial neural networks and multiobjective optimisation techniques. *International Journal of Advanced Manufacturing Technology*, **2004**, 24, 675-685	3.2	12
31	A fuzzy ordinary regression method for modeling customer preference in tea maker design. *Neurocomputing*, **2014**, 142, 147-154	5.4	9
30	Market demand estimation for new product development by using fuzzy modeling and discrete choice analysis. *Neurocomputing*, **2014**, 142, 136-146	5.4	9
29	A multi-objective optimization model of component selection in enterprise information system integration. *Computers and Industrial Engineering*, **2018**, 115, 278-289	6.4	9
28	A methodology for optimal product positioning with engineering constraints consideration. *International Journal of Production Economics*, **2011**, 132, 93-100	9.3	8
27	Initial process-parameters setting of transfer moulding in microchip encapsulation: a case-based reasoning approach. *Journal of Materials Processing Technology*, **2001**, 113, 432-438	5.3	8

26	Automation and optimisation of Family Mould Cavity and Runner Layout Design (FMCRLD) using genetic algorithms and mould layout design grammars. *CAD Computer Aided Design*, **2014**, 47, 118-133	2.9	7
25	Development of Customer Satisfaction Models for Affective Design Using Rough Set and ANFIS Approaches. *Procedia Computer Science*, **2013**, 22, 104-112	1.6	7
24	Linear programming embedded genetic algorithm for product family design optimization with maximizing imprecise part-worth utility function. *Concurrent Engineering Research and Applications*, **2014**, 22, 309-319	1.7	7
23	Evaluation of user satisfaction using evidential reasoning-based methodology. *Neurocomputing*, **2014**, 142, 86-94	5.4	7
22	Integrated model for software component selection with simultaneous consideration of implementation and verification. *Computers and Operations Research*, **2012**, 39, 3376-3393	4.6	7
21	A blackboard-based approach to concurrent process design of injection moulding. *Journal of Materials Processing Technology*, **1997**, 70, 258-263	5.3	7
20	Computational Intelligence Techniques for New Product Design. *Studies in Computational Intelligence*, **2012**,	0.8	6
19	Fastening method selection with simultaneous consideration of product assembly and disassembly from a remanufacturing perspective. *International Journal of Advanced Manufacturing Technology*, **2019**, 101, 1481-1493	3.2	6
18	Optimizing fabric spreading and cutting schedules in apparel production using genetic algorithms and fuzzy set theory **2013**, 132-152		4
17	Predicting customer satisfaction based on online reviews and hybrid ensemble genetic programming algorithms. *Engineering Applications of Artificial Intelligence*, **2020**, 95, 103902	7.2	4
16	Forecasting the importance of product attributes using online customer reviews and Google Trends. *Technological Forecasting and Social Change*, **2021**, 171, 120983	9.5	4
15	Special issue on affective design using big data. *Journal of Engineering Design*, **2018**, 29, 353-357	1.8	3
14	Integrated production strategy and reuse scenario: A CoFAQ model and case study of mail server system development. *Omega*, **2013**, 41, 536-552	7.2	3
13	A design rationale representation model using patent documents **2009**,		3
12	An Intelligent System to Monitor the Chemical Concentration of Electroplating Process: An Integrated OLAP and Fuzzy Logic Approach. *Artificial Intelligence Review*, **2004**, 21, 139-159	9.7	3
11	Incorporating contracts with retailer into product line extension using Stackelberg game and nested bi-level genetic algorithms. *Computers and Industrial Engineering*, **2021**, 151, 106976	6.4	3
10	Improving differential evolution with impulsive control framework **2015**,		2
9	Coordination of a Manufacturer and Supply Chain Partners for Product Line Design with Consideration of Remanufactured Products. *Procedia CIRP*, **2015**, 29, 221-226	1.8	2

8	Closing the loop between design and market for new product idea screening decisions. *Expert Systems With Applications*, **2011**, 38, 7729-7737	7.8	2
7	Process design for transfer moulding of electronic packages using a case-based reasoning approach with fuzzy regression adaptation. *International Journal of Computer Integrated Manufacturing*, **2005**, 18, 27-40	4.3	2
6	Impacts of service uncertainty in bundling strategies on heterogeneous consumers. *Electronic Commerce Research and Applications*, **2018**, 28, 230-243	4.6	1
5	A real-time business process decisions support planning system for mould industry: a case study. *International Journal of Value Chain Management*, **2009**, 3, 87	0.3	1
4	Analyzing imbalanced online consumer review data in product design using geometric semantic genetic programming. *Engineering Applications of Artificial Intelligence*, **2021**, 105, 104442	7.2	0
3	An improvement on Integrated production strategy and reuse scenario: A CoFAQ model and case study of mail server system development *Omega*, **2015**, 56, 50-52	7.2	
2	Comment on A simulation-based approach to price optimisation of the mixed bundling problem with capacity constraints *International Journal of Production Economics*, **2017**, 193, 50	9.3	
1	An ISAL Approach for Design Rationale Discovery Using Patent Documents **2011**, 585-594		