

# Toly Chen

## List of Publications by Year in descending order

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144  
papers

2,796  
citations

201385

27  
h-index

253896

43  
g-index

144  
all docs

144  
docs citations

144  
times ranked

1231  
citing authors

#	ARTICLE	IF	CITATIONS
1	A type-II fuzzy collaborative forecasting approach for productivity forecasting under an uncertainty environment. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 2751-2763.	3.3	8
2	Fuzzy collaborative intelligence fuzzy analytic hierarchy process approach for selecting suitable three-dimensional printers. <i>Soft Computing</i> , 2021, 25, 4121-4134.	2.1	8
3	An interval fuzzy number-based fuzzy collaborative forecasting approach for DRAM yield forecasting. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 111-122.	4.0	5
4	Analyzing the Impact of Vaccine Availability on Alternative Supplier Selection Amid the COVID-19 Pandemic: A cFGM-FTOPSIS-FWI Approach. <i>Healthcare (Switzerland)</i> , 2021, 9, 71.	1.0	39
5	A diversified AHP-tree approach for multiple-criteria supplier selection. <i>Computational Management Science</i> , 2021, 18, 431-453.	0.8	8
6	Interval fuzzy number-based approach for modeling an uncertain fuzzy yield learning process. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 1213-1223.	3.3	11
7	Smart and automation technologies for ensuring the long-term operation of a factory amid the COVID-19 pandemic: an evolving fuzzy assessment approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 3545-3558.	1.5	46
8	Assessing the Robustness of a Factory Amid the COVID-19 Pandemic: A Fuzzy Collaborative Intelligence Approach. <i>Healthcare (Switzerland)</i> , 2020, 8, 481.	1.0	15
9	A fuzzy ubiquitous traveler clustering and hotel recommendation system by differentiating travelers's decision-making behaviors. <i>Applied Soft Computing Journal</i> , 2020, 96, 106585.	4.1	14
10	Enhancing the efficiency and accuracy of existing FAHP decision-making methods. <i>EURO Journal on Decision Processes</i> , 2020, 8, 177-204.	1.8	11
11	A Piecewise Linear FGM Approach for Efficient and Accurate FAHP Analysis: Smart Backpack Design as an Example. <i>Mathematics</i> , 2020, 8, 1319.	1.1	22
12	Assessing the suitability of smart technology applications for e-health using a judgment-decomposition analytic hierarchy process approach. <i>Health and Technology</i> , 2020, 10, 767-776.	2.1	9
13	A multibelief analytic hierarchy process and nonlinear programming approach for diversifying product designs: Smart backpack design as an example. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2020, 234, 1044-1056.	1.5	24
14	Modeling an Uncertain Productivity Learning Process Using an Interval Fuzzy Methodology. <i>Mathematics</i> , 2020, 8, 998.	1.1	13
15	An evolving fuzzy planning mechanism for a ubiquitous manufacturing system. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 2337-2347.	1.5	6
16	Assessing factors critical to smart technology applications to mobile health care—the fgm-fahp approach. <i>Health Policy and Technology</i> , 2020, 9, 194-203.	1.3	32
17	Ambient intelligence and ergonomics in Asia. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 4785-4787.	3.3	2
18	An advanced fuzzy collaborative intelligence approach for fitting the uncertain unit cost learning process. <i>Complex &amp; Intelligent Systems</i> , 2019, 5, 303-313.	4.0	12

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19	3D printing technologies for enhancing the sustainability of an aircraft manufacturing or MRO company—a multi-expert partial consensus-FAHP analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 4171-4180.	1.5	20
20	Approximating alpha-cut operations approach for effective and efficient fuzzy analytic hierarchy process analysis. <i>Applied Soft Computing Journal</i> , 2019, 85, 105855.	4.1	41
21	A Collaborative and Ubiquitous System for Fabricating Dental Parts Using 3D Printing Technologies. <i>Healthcare (Switzerland)</i> , 2019, 7, 103.	1.0	24
22	An advanced IoT system for assisting ubiquitous manufacturing with 3D printing. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 1721-1733.	1.5	18
23	A fuzzy polynomial fitting and mathematical programming approach for enhancing the accuracy and precision of productivity forecasting. <i>Computational and Mathematical Organization Theory</i> , 2019, 25, 85-107.	1.5	3
24	An advanced fuzzy approach for modeling the yield improvement of making aircraft parts using 3D printing. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 4085-4095.	1.5	8
25	Advanced 3D printing technologies for the aircraft industry: a fuzzy systematic approach for assessing the critical factors. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 4059-4069.	1.5	79
26	Fuzzy and nonlinear programming approach for optimizing the performance of ubiquitous hotel recommendation. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 275-284.	3.3	27
27	Application of industrial engineering concepts and techniques to ambient intelligence: a case study. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 215-223.	3.3	11
28	Fitting an uncertain productivity learning process using an artificial neural network approach. <i>Computational and Mathematical Organization Theory</i> , 2018, 24, 422-439.	1.5	5
29	A multi-granularity approach for estimating the sustainability of a factory simulation model: semiconductor packaging as an example. <i>Operational Research</i> , 2018, 18, 711-729.	1.3	4
30	Solving data preprocessing problems in existing location-aware systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 253-259.	3.3	13
31	Optimal operating room scheduling for normal and unexpected events in a smart hospital. <i>Operational Research</i> , 2018, 18, 579-602.	1.3	19
32	INLP-BPN approach for recommending hotels to a mobile traveler. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 329-336.	3.3	5
33	Integer nonlinear programming and optimized weighted-average approach for mobile hotel recommendation by considering travelers' unknown preferences. <i>Operational Research</i> , 2018, 18, 625-643.	1.3	10
34	Smart technologies for assisting the life quality of persons in a mobile environment: a review. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 319-327.	3.3	34
35	Optimal multiple-period scheduling and sequencing of operating room and intensive care unit. <i>Operational Research</i> , 2018, 18, 645-670.	1.3	9
36	An innovative fuzzy and artificial neural network approach for forecasting yield under an uncertain learning environment. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 1013-1025.	3.3	13

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37	Optimizing performance of rigid polyurethane foam using FGP models. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 351-366.	3.3	5
38	A fuzzy collaborative intelligence approach for estimating future yield with DRAM as an example. Operational Research, 2018, 18, 671-688.	1.3	1
39	Advanced ambient intelligence system informatics. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 211-213.	3.3	3
40	A new cloud computing method for establishing asymmetric cycle time intervals in a wafer fabrication factory. Journal of Intelligent Manufacturing, 2017, 28, 1095-1107.	4.4	17
41	Estimating the simulation workload for factory simulation as a cloud service. Journal of Intelligent Manufacturing, 2017, 28, 1139-1157.	4.4	14
42	A digital equipment identifier system. Journal of Intelligent Manufacturing, 2017, 28, 1159-1169.	4.4	5
43	Predictive distant operation and virtual control of computer numerical control machines. Journal of Intelligent Manufacturing, 2017, 28, 1061-1077.	4.4	11
44	New fuzzy method for improving the precision of productivity predictions for a factory. Neural Computing and Applications, 2017, 28, 3507-3520.	3.2	9
45	A nonlinearly normalized back propagation network and cloud computing approach for determining cycle time allowance during wafer fabrication. Robotics and Computer-Integrated Manufacturing, 2017, 45, 144-156.	6.1	15
46	Ubiquitous manufacturing: Current practices, challenges, and opportunities. Robotics and Computer-Integrated Manufacturing, 2017, 45, 126-132.	6.1	104
47	A fuzzy collaboration system for ubiquitous loading/unloading space recommendation in the logistics industry. Robotics and Computer-Integrated Manufacturing, 2017, 45, 86-98.	6.1	10
48	Ubiquitous Hotel Recommendation Using a Fuzzy-Weighted-Average and Backpropagation-Network Approach. International Journal of Intelligent Systems, 2017, 32, 316-341.	3.3	11
49	Feasibility Evaluation and Optimization of a Smart Manufacturing System Based on 3D Printing: A Review. International Journal of Intelligent Systems, 2017, 32, 394-413.	3.3	81
50	Competitive and Sustainable Manufacturing in the Age of Globalization. Sustainability, 2017, 9, 26.	1.6	15
51	Evaluating sustainable advantages in productivity with a systematic procedure. International Journal of Advanced Manufacturing Technology, 2016, 87, 1435-1442.	1.5	8
52	Ambient intelligence and ergonomics in Asia. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 761-762.	3.3	0
53	Embedding a back propagation network into fuzzy c-means for estimating job cycle time: wafer fabrication as an example. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 789-800.	3.3	11
54	Ubiquitous Multicriteria Clinic Recommendation System. Journal of Medical Systems, 2016, 40, 113.	2.2	27

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55	Creating a Just-in-time Location-aware Service Using Fuzzy Logic. <i>Applied Spatial Analysis and Policy</i> , 2016, 9, 287-307.	1.0	12
56	Fuzzy neural network approach to optimizing process performance by using multiple responses. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2016, 7, 801-816.	3.3	24
57	Asymmetric cycle time bounding in semiconductor manufacturing: an efficient and effective back-propagation-network-based method. <i>Operational Research</i> , 2016, 16, 445-468.	1.3	3
58	A fuzzy integer-nonlinear programming approach for creating a flexible just-in-time location-aware service in a mobile environment. <i>Applied Soft Computing Journal</i> , 2016, 38, 805-816.	4.1	9
59	Estimating simulation workload in cloud manufacturing using a classifying artificial neural network ensemble approach. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016, 38, 42-51.	6.1	42
60	Fuzzy Collaborative Intelligence and Systems. <i>International Journal of Intelligent Systems</i> , 2015, 30, 617-619.	3.3	8
61	An Efficient and Effective Fuzzy Collaborative Intelligence Approach for Cycle Time Estimation in Wafer Fabrication. <i>International Journal of Intelligent Systems</i> , 2015, 30, 620-650.	3.3	18
62	An Improved Fuzzy Collaborative System for Predicting the Unit Cost of a DRAM Product. <i>International Journal of Intelligent Systems</i> , 2015, 30, 707-730.	3.3	13
63	Enhancing the performance of a ubiquitous location-aware service system using a fuzzy collaborative problem solving strategy. <i>Computers and Industrial Engineering</i> , 2015, 87, 296-307.	3.4	12
64	Ambient intelligence and ergonomics in Asia. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2015, 6, 1-2.	3.3	12
65	A PCA-BPN approach for estimating simulation workload in cloud manufacturing. , 2015, , .		1
66	A fuzzy back-propagation network approach for planning actions to shorten the cycle time of a job in dynamic random access memory manufacturing. <i>Neural Computing and Applications</i> , 2015, 26, 1813-1825.	3.2	8
67	CART-BPN approach for estimating cycle time in wafer fabrication. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2015, 6, 57-67.	3.3	27
68	Combining statistical analysis and artificial neural network for classifying jobs and estimating the cycle times in wafer fabrication. <i>Neural Computing and Applications</i> , 2015, 26, 223-236.	3.2	8
69	Strengthening the Competitiveness and Sustainability of a Semiconductor Manufacturer with Cloud Manufacturing. <i>Sustainability</i> , 2014, 6, 251-266.	1.6	53
70	Enhancing the Sustainability of a Location-Aware Service through Optimization. <i>Sustainability</i> , 2014, 6, 9441-9455.	1.6	17
71	A Fuzzy Parallel Processing Scheme for Enhancing the Effectiveness of a Dynamic Just-in-time Location-aware Service System. <i>Entropy</i> , 2014, 16, 2001-2022.	1.1	13
72	The Symmetric-Partitioning and Incremental-Relearning Classification and Back-Propagation-Network Tree Approach for Cycle Time Estimation in Wafer Fabrication. <i>Symmetry</i> , 2014, 6, 409-426.	1.1	4

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73	An Agent-Based Fuzzy Collaborative Intelligence Approach for Precise and Accurate Semiconductor Yield Forecasting. IEEE Transactions on Fuzzy Systems, 2014, 22, 201-211.	6.5	40
74	Forecasting the productivity of a virtual enterprise by agent-based fuzzy collaborative intelligence—With Facebook as an example. Applied Soft Computing Journal, 2014, 24, 511-521.	4.1	16
75	Advanced dispatching rules for large-scale manufacturing systems. International Journal of Advanced Manufacturing Technology, 2013, 67, 1-3.	1.5	33
76	A fuzzy rule for job dispatching in a wafer fabrication factory—a simulation study. International Journal of Advanced Manufacturing Technology, 2013, 67, 47-58.	1.5	3
77	A fuzzy-neural approach for optimizing the performance of job dispatching in a wafer fabrication factory. International Journal of Advanced Manufacturing Technology, 2013, 67, 189-202.	1.5	2
78	A fuzzy-neural approach for supporting three-objective job scheduling in a wafer fabrication factory. Neural Computing and Applications, 2013, 23, 353-367.	3.2	6
79	A flexible way of modeling the long-term cost competitiveness of a semiconductor product. Robotics and Computer-Integrated Manufacturing, 2013, 29, 31-40.	6.1	20
80	A collaborative and artificial intelligence approach for semiconductor cost forecasting. Computers and Industrial Engineering, 2013, 66, 476-484.	3.4	13
81	A slack-diversifying nonlinear fluctuation smoothing rule for job dispatching in a wafer fabrication factory. Robotics and Computer-Integrated Manufacturing, 2013, 29, 41-47.	6.1	23
82	Forecasting the yield of a semiconductor product with a collaborative intelligence approach. Applied Soft Computing Journal, 2013, 13, 1552-1560.	4.1	17
83	An effective fuzzy collaborative forecasting approach for predicting the job cycle time in wafer fabrication. Computers and Industrial Engineering, 2013, 66, 834-848.	3.4	42
84	A Fuzzy Collaborative Sensor Network for Semiconductor Manufacturing Cycle Time Forecasting. International Journal of Distributed Sensor Networks, 2013, 9, 257276.	1.3	2
85	Precise and Accurate Job Cycle Time Forecasting in a Wafer Fabrication Factory with a Fuzzy Data Mining Approach. Mathematical Problems in Engineering, 2013, 2013, 1-14.	0.6	7
86	Enhancing the Long-Term Yield Competitiveness of a Semiconductor Manufacturing Factory Using a Multiobjective Fuzzy Nonlinear Programming Approach. Mathematical Problems in Engineering, 2013, 2013, 1-11.	0.6	2
87	A Fuzzy-Neural Ensemble and Geometric Rule Fusion Approach for Scheduling a Wafer Fabrication Factory. Mathematical Problems in Engineering, 2013, 2013, 1-14.	0.6	7
88	Internal Due Date Assignment in a Wafer Fabrication Factory by an Effective Fuzzy-Neural Approach. Journal of Applied Mathematics, 2013, 2013, 1-13.	0.4	0
89	Semiconductor Yield Forecasting Using Quadratic-Programming-Based Fuzzy Collaborative Intelligence Approach. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	3
90	A Novel Fuzzy-Neural Slack-Diversifying Rule Based on Soft Computing Applications for Job Dispatching in a Wafer Fabrication Factory. Mathematical Problems in Engineering, 2013, 2013, 1-15.	0.6	1

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91	A Biobjective Fuzzy Integer-Nonlinear Programming Approach for Creating an Intelligent Location-Aware Service. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-11.	0.4	6
92	Applications of Fuzzy Ensemble Approaches in Modeling, Forecasting, and Control. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-2.	0.6	0
93	A Fuzzy Rule for Improving the Performance of Multiobjective Job Dispatching in a Wafer Fabrication Factory. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-18.	0.4	3
94	A Fuzzy Nonlinear Programming Approach for Optimizing the Performance of a Four-Objective Fluctuation Smoothing Rule in a Wafer Fabrication Factory. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-15.	0.4	9
95	An Iterative Procedure for Optimizing the Performance of the Fuzzy-Neural Job Cycle Time Estimation Approach in a Wafer Fabrication Factory. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-15.	0.6	14
96	A post-classifying fuzzy-neural and data-fusion rule for job scheduling in a wafer fab - a simulation study. <i>International Journal of Manufacturing Research</i> , 2013, 8, 150.	0.1	4
97	A Systematic Cycle Time Reduction Procedure for Enhancing the Competitiveness and Sustainability of a Semiconductor Manufacturer. <i>Sustainability</i> , 2013, 5, 4637-4652.	1.6	16
98	A Fuzzy Collaborative Forecasting Approach for Forecasting the Productivity of a Factory. <i>Advances in Mechanical Engineering</i> , 2013, 5, 234571.	0.8	8
99	Enhancing Scheduling Performance for a Wafer Fabrication Factory: The Biobjective Slack-Diversifying Nonlinear Fluctuation-Smoothing Rule. <i>Computational Intelligence and Neuroscience</i> , 2012, 2012, 1-12.	1.1	1
100	Forecasting the Unit Cost of a Product with Some Linear Fuzzy Collaborative Forecasting Models. <i>Algorithms</i> , 2012, 5, 449-468.	1.2	8
101	Long-term load forecasting by a collaborative fuzzy-neural approach. <i>International Journal of Electrical Power and Energy Systems</i> , 2012, 43, 454-464.	3.3	60
102	An agent-based fuzzy-neural approach for precise energy consumption forecasting. , 2012, , .		0
103	A Nonlinear Programming and Artificial Neural Network Approach for Optimizing the Performance of a Job Dispatching Rule in a Wafer Fabrication Factory. <i>Applied Computational Intelligence and Soft Computing</i> , 2012, 2012, 1-9.	1.6	1
104	A PCA-FBPN Approach for Job Cycle Time Estimation in a Wafer Fabrication Factory. <i>International Journal of Fuzzy System Applications</i> , 2012, 2, 50-67.	0.5	10
105	Applied Neural Intelligence to Modeling, Control, and Management of Human Systems and Environments. <i>Applied Computational Intelligence and Soft Computing</i> , 2012, 2012, 1-2.	1.6	0
106	An Agent-Based Fuzzy Collaborative Intelligence Approach for Predicting the Price of a Dynamic Random Access Memory (DRAM) Product. <i>Algorithms</i> , 2012, 5, 304-317.	1.2	2
107	Intelligent scheduling approaches for a wafer fabrication factory. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 897-911.	4.4	13
108	A fuzzy-neural approach for global CO2 concentration forecasting. <i>Intelligent Data Analysis</i> , 2011, 15, 763-777.	0.4	20

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109	A hybrid fuzzy and neural approach for forecasting the book-to-bill ratio in the semiconductor manufacturing industry. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 377-389.	1.5	14
110	Job cycle time estimation in a wafer fabrication factory with a bi-directional classifying fuzzy-neural approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 1007-1018.	1.5	21
111	A self-adaptive agent-based fuzzy-neural scheduling system for a wafer fabrication factory. <i>Expert Systems With Applications</i> , 2011, 38, 7158-7168.	4.4	16
112	Applying a Fuzzy and Neural Approach for Forecasting the Foreign Exchange Rate. <i>International Journal of Fuzzy System Applications</i> , 2011, 1, 36-48.	0.5	22
113	A bi-criteria nonlinear fluctuation smoothing rule incorporating the SOM-FBPN remaining cycle time estimator for scheduling a wafer fab—a simulation study. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 709-721.	1.5	19
114	Incorporating the FCM-BPN approach with nonlinear programming for internal due date assignment in a wafer fabrication plant. <i>Robotics and Computer-Integrated Manufacturing</i> , 2010, 26, 83-91.	6.1	54
115	An optimized tailored nonlinear fluctuation smoothing rule for scheduling a semiconductor manufacturing factory. <i>Computers and Industrial Engineering</i> , 2010, 58, 317-325.	3.4	17
116	A FUZZY-NEURAL FLUCTUATION SMOOTHING RULE FOR SCHEDULING JOBS WITH VARIOUS PRIORITIES IN A SEMICONDUCTOR MANUFACTURING FACTORY. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2009, 17, 397-417.	0.9	16
117	A FNP approach for evaluating and enhancing the long-term competitiveness of a semiconductor fabrication factory through yield learning modeling. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 40, 993-1003.	1.5	15
118	Lot cycle time prediction in a ramping-up semiconductor manufacturing factory with a SOM-FBPN-ensemble approach with multiple buckets and partial normalization. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 42, 1206-1216.	1.5	65
119	A nonlinear scheduling rule incorporating fuzzy-neural remaining cycle time estimator for scheduling a semiconductor manufacturing factory—a simulation study. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 110-121.	1.5	29
120	A fuzzy set approach for evaluating and enhancing the mid-term competitiveness of a semiconductor factory. <i>Fuzzy Sets and Systems</i> , 2009, 160, 569-585.	1.6	19
121	A fuzzy back propagation network ensemble with example classification for lot output time prediction in a wafer fab. <i>Applied Soft Computing Journal</i> , 2009, 9, 658-666.	4.1	27
122	Fuzzy-neural approaches with example post-classification for estimating job cycle time in a wafer fab. <i>Applied Soft Computing Journal</i> , 2009, 9, 1225-1231.	4.1	31
123	A fuzzy-neural approach for output projection in a semiconductor fabrication factory. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2009, 32, 285-291.	0.6	3
124	A hybrid neural network and selective allowance approach for internal due date assignment in a wafer fabrication plant. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 36, 570-581.	1.5	30
125	A SOM-FBPN-ensemble approach with error feedback to adjust classification for wafer-lot completion time prediction. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 37, 782-792.	1.5	42
126	A fuzzy-neural approach for estimating the monthly output of a semiconductor manufacturing factory. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 39, 589-598.	1.5	14



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127	An intelligent mechanism for lot output time prediction and achievability evaluation in a wafer fab. Computers and Industrial Engineering, 2008, 54, 77-94.	3.4	23
128	A fuzzy-neural and multiple-bucket approach for estimating lot cycle time in a wafer fab with dynamic product mix. Computers and Industrial Engineering, 2008, 55, 423-438.	3.4	10
129	A hybrid fuzzy-neural approach to job completion time prediction in a semiconductor fabrication factory. Neurocomputing, 2008, 71, 3193-3201.	3.5	10
130	A FUZZY-NEURAL SYSTEM INCORPORATING UNEQUALLY IMPORTANT EXPERT OPINIONS FOR SEMICONDUCTOR YIELD FORECASTING. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2008, 16, 35-58.	0.9	97
131	A hybrid intelligent approach for output projection in a semiconductor fabrication plant. Intelligent Data Analysis, 2008, 12, 129-144.	0.4	3
132	A Fuzzy Logic Approach for Incorporating the Effects of Managerial Actions on Semiconductor Yield Learning. , 2007, , .		9
133	Predicting Wafer-Lot Output Time With a Hybrid FCM&#x2013;FBPN Approach. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 784-793.	5.5	21
134	Evaluating the mid-term competitiveness of a product in a semiconductor fabrication factory with a systematic procedure. Computers and Industrial Engineering, 2007, 53, 499-513.	3.4	37
135	Incorporating fuzzy c-means and a back-propagation network ensemble to job completion time prediction in a semiconductor fabrication factory. Fuzzy Sets and Systems, 2007, 158, 2153-2168.	1.6	27
136	Simultaneous process mean and process tolerance determination with adjustment and compensation for precision manufacturing process. International Journal of Advanced Manufacturing Technology, 2007, 33, 1159-1172.	1.5	5
137	A hybrid look-ahead SOM-FBPN and FIR system for wafer-lot-output time prediction and achievability evaluation. International Journal of Advanced Manufacturing Technology, 2007, 35, 575-586.	1.5	34
138	An intelligent hybrid system for wafer lot output time prediction. Advanced Engineering Informatics, 2007, 21, 55-65.	4.0	48
139	A Hybrid SOM-BPN Approach to Lot Output Time Prediction in a Wafer Fab. Neural Processing Letters, 2006, 24, 271-288.	2.0	53
140	A Look-Ahead Fuzzy Back Propagation Network for Lot Output Time Series Prediction in a Wafer Fab. Lecture Notes in Computer Science, 2006, , 974-982.	1.0	17
141	A fuzzy mid-term single-fab production planning model. Journal of Intelligent Manufacturing, 2003, 14, 273-285.	4.4	18
142	A fuzzy back propagation network for output time prediction in a wafer fab. Applied Soft Computing Journal, 2003, 2, 211-222.	4.1	104
143	A fuzzy set approach for event tree analysis. Fuzzy Sets and Systems, 2001, 118, 153-165.	1.6	152
144	Enhancing the accuracy and precision of forecasting the productivity of a factory: a fuzzified feedforward neural network approach. Complex & Intelligent Systems, 0, , 1.	4.0	3