

# Argon Chen

## List of Publications by Year in descending order

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55  
papers

547  
citations

567281

15  
h-index

677142

22  
g-index

57  
all docs

57  
docs citations

57  
times ranked

555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time health prognosis and dynamic preventive maintenance policy for equipment under aging Markovian deterioration. International Journal of Production Research, 2007, 45, 3351-3379.	7.5	59
2	Design of EWMA and CUSUM control charts subject to random shift sizes and quality impacts. IIE Transactions, 2007, 39, 1127-1141.	2.1	42
3	Ultrasonographic features for differentiating follicular thyroid carcinoma and follicular adenoma. Asian Journal of Surgery, 2020, 43, 339-346.	0.4	40
4	Quantitative analysis of echogenicity for patients with thyroid nodules. Scientific Reports, 2016, 6, 35632.	3.3	33
5	Recipe-Independent Indicator for Tool Health Diagnosis and Predictive Maintenance. IEEE Transactions on Semiconductor Manufacturing, 2009, 22, 522-535.	1.7	32
6	Performance analysis of demand planning approaches for aggregating, forecasting and disaggregating interrelated demands. International Journal of Production Economics, 2010, 128, 586-602.	8.9	31
7	Efficient simulation budget allocation with regression. IIE Transactions, 2013, 45, 291-308.	2.1	26
8	Efficient Splitting Simulation for Blackout Analysis. IEEE Transactions on Power Systems, 2015, 30, 1775-1783.	6.5	24
9	Quantitative Analysis of Dynamic Power Doppler Sonograms for Patients with Thyroid Nodules. Ultrasound in Medicine and Biology, 2013, 39, 1543-1551.	1.5	23
10	Computerized Quantification of Ultrasonic Heterogeneity in Thyroid Nodules. Ultrasound in Medicine and Biology, 2014, 40, 2581-2589.	1.5	23
11	Computerized Detection and Quantification of Microcalcifications in Thyroid Nodules. Ultrasound in Medicine and Biology, 2011, 37, 870-878.	1.5	22
12	Optimal supply chain configurations in semiconductor manufacturing. International Journal of Production Research, 2007, 45, 631-651.	7.5	19
13	Design and Performance Analysis of the Exponentially Weighted Moving Average Mean Estimate for Processes Subject to Random Step Changes. Technometrics, 2002, 44, 379-389.	1.9	17
14	Demand planning approaches to aggregating and forecasting interrelated demands for safety stock and backup capacity planning. International Journal of Production Research, 2007, 45, 2269-2294.	7.5	16
15	Sample-Efficient Regression Trees (SERT) for Semiconductor Yield Loss Analysis. IEEE Transactions on Semiconductor Manufacturing, 2010, 23, 358-369.	1.7	16
16	Rare-event splitting simulation for analysis of power system blackouts. , 2011, , .		15
17	An alternative mean estimator for processes monitored by SPC charts. International Journal of Production Research, 2000, 38, 3093-3109.	7.5	14
18	Piecewise regression model construction with sample efficient regression tree (SERT) and applications to semiconductor yield analysis. Journal of Process Control, 2012, 22, 1307-1317.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Multi-Reader Multi-Case Study for Performance Evaluation of High-Risk Thyroid Ultrasound with Computer-Aided Detection. <i>Cancers</i> , 2020, 12, 373.	3.7	11
20	Spatial Variance Spectrum Analysis and Its Application to Unsupervised Detection of Systematic Wafer Spatial Variations. <i>IEEE Transactions on Automation Science and Engineering</i> , 2011, 8, 56-66.	5.2	10
21	Weighted least-square estimation of demand product mix and its applications to semiconductor demand. <i>International Journal of Production Research</i> , 2008, 46, 4445-4462.	7.5	7
22	A self-tuning run-to-run process controller for processes subject to random disturbances. <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> , 1999, 22, 627-638.	1.1	5
23	Test of covariance changes without a large sample and its application to fault detection and classification. <i>Journal of Process Control</i> , 2012, 22, 1113-1121.	3.3	5
24	Equipment deterioration modeling and cause diagnosis in semiconductor manufacturing. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2618-2638.	5.7	5
25	Run-to-run control schemes for CMP process subject to deterministic drifts. , 0, , .		4
26	A Variance-reduction Approach to Detection of the Thyroid-nodule Boundary on Ultrasound Images. <i>Ultrasonic Imaging</i> , 2019, 41, 206-230.	2.6	4
27	Software-Based Analysis of the Taller-Than-Wide Feature of High-Risk Thyroid Nodules. <i>Annals of Surgical Oncology</i> , 2021, 28, 4347-4357.	1.5	4
28	Risk Stratification in Patients With Follicular Neoplasm on Cytology: Use of Quantitative Characteristics and Sonographic Patterns. <i>Frontiers in Endocrinology</i> , 2021, 12, 614630.	3.5	4
29	Computerized Cytological Features for Papillary Thyroid Cancer Diagnosis—Preliminary Report. <i>Cancers</i> , 2019, 11, 1645.	3.7	3
30	Comprehensive relative importance analysis and its applications to high dimensional gene expression data analysis. <i>Knowledge-Based Systems</i> , 2020, 203, 106120.	7.1	3
31	Differences in the ultrasonographic appearance of thyroid nodules after radiofrequency ablation. <i>Clinical Endocrinology</i> , 2021, 95, 489-497.	2.4	3
32	Run-to-run control of CMP process considering aging effects of pad and disc. , 0, , .		2
33	Recipe-independent Tool Health Indicator and Fault Prognosis. <i>Semiconductor Manufacturing, Proceedings of the IEEE International Symposium on</i> , 2006, , .	0.0	2
34	Sample Efficient Regression Trees (SERT) for Yield Loss Analysis. <i>Semiconductor Manufacturing, Proceedings of the IEEE International Symposium on</i> , 2006, , .	0.0	2
35	A variance-reduction method for thyroid nodule boundary detection on ultrasound images. , 2014, , .		2
36	AN ALTERNATIVE DYNAMIC PROGRAMMING APPROACH TO ALLOCATING INSPECTION POINTS IN MULTISTAGE PRODUCTION SYSTEMS. <i>Quality Engineering</i> , 1998, 11, 197-205.	1.1	1

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37	Modeling and optimization of wafer-level spatial uniformity with the use of rational subgrouping. , 0, , ,		1
38	Optimal sampling in design of experiment for simulation-based stochastic optimization. , 2008, , .		1
39	Optimum sampling for track PEB CD Integrated Metrology. , 2009, , .		1
40	Classification Tree with Hybrid Splitting Mechanism. , 2019, , .		1
41	Many-to-many comprehensive relative importance analysis and its applications to analysis of semiconductor electrical testing parameters. Advanced Engineering Informatics, 2021, 48, 101283.	8.0	1
42	Binary multi-layer classifier. Information Sciences, 2021, 562, 220-239.	6.9	1
43	Function-based cost modeling for wafer manufacturing and its application to strategic management. , 0, , .		0
44	An effective SPC approach to monitoring semiconductor quality data with multiple variation sources. , 0, , .		0
45	Priority Behavior Modeling of Fab for Supply Chain Management. Semiconductor Manufacturing, Proceedings of the IEEE International Symposium on, 2006, , .	0.0	0
46	Analysis of microarray data with multiple phenotypes. , 2009, , .		0
47	Priority Cycle Time Behavior Modeling for Semiconductor Fabs. , 2009, , .		0
48	Dominance index for many-to-many correlation and its applicaions to semiconductor yield analysis. , 2012, , .		0
49	Can Thyroid Ultrasonography with Computer System Predict Thyroid Follicular Cancer?. Ultrasound in Medicine and Biology, 2017, 43, S113.	1.5	0
50	Equipment Deterioration Modeling and Causes Diagnosis in Semiconductor Manufacturing. , 2018, , .		0
51	0457 An Effective Mode To Predict Severity Of Obstructive Sleep Apnea: Dynamic Change Of Aerospace Detected By Submental Ultrasonography. Sleep, 2019, 42, A183-A184.	1.1	0
52	A2â€œPhaseMerge Filter Approach toComputerâ€œAidedDetection of Breast Tumors on3â€œDimensionalUltrasound Imaging. Journal of Ultrasound in Medicine, 2020, 39, 2439-2455.	1.7	0
53	ASO Author Reflections: Quantitative Shape Analysis of Thyroid Nodules: A Small But Important Step Towards Software-Based Preoperative Evaluation of Thyroid Nodules. Annals of Surgical Oncology, 2021, 28, 4358-4359.	1.5	0
54	Assessing Detection Accuracy of Computerized Sonographic Features and Computer-Assisted Reading Performance in Differentiating Thyroid Cancers. Biomedicines, 2022, 10, 1513.	3.2	0

#	ARTICLE	IF	CITATIONS
55	Multivariate multi-layer classifier. Pattern Recognition, 2022, 131, 108896.	8.1	0