Rikard SÃ¶derberg

List of Publications by Year
in descending order

Version: 2024-02-01

181 papers	2,778 citations	236925 25 h-index	254184 43 g-index
188 all docs	188 docs citations	188 times ranked	1466 citing authors

#	Article	IF	Citations
1	A New Heat Source Model for Keyhole Mode Laser Welding. Journal of Computing and Information Science in Engineering, 2022, 22, .	2.7	7
2	Squeak and Rattle Prevention by Geometric Variation Management Using a Two-Stage Evolutionary Optimization Approach. Journal of Computing and Information Science in Engineering, 2022, 22, .	2.7	1
3	Efficient Joining Sequence Variation Analysis of Stochastic Batch Assemblies. Journal of Computing and Information Science in Engineering, 2022, 22, .	2.7	6
4	Perceived Quality Attributes Importance Ranking Methodology in the Automotive Industry: A Case Study on Geometry Appearance Attributes at CEVT.. Procedia CIRP, 2022, 107, 1559-1564.	1.9	2
5	Geometric robustness and dynamic response management by structural topometry optimisation to reduce the risk for squeak and rattle. Design Science, 2022, 8, .	2.1	1
6	Rapid sequence optimization of spot welds for improved geometrical quality using a novel stepwise algorithm. Engineering Optimization, 2021, 53, 867-884.	2.6	8
7	Dynamic platform modeling for concurrent product-production reconfiguration. Concurrent Engineering Research and Applications, 2021, 29, 102-123.	3.2	6
8	Effect of selective laser heat treatment on geometrical variation in boron steel components: An experimental investigation. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 54-64.	2.4	2
9	Critical joint identification for efficient sequencing. Journal of Intelligent Manufacturing, 2021, 32, 769-780.	7.3	3
10	Integrated Tolerance and Fixture Layout Design for Compliant Sheet Metal Assemblies. Applied Sciences (Switzerland), 2021, 11, 1646.	2.5	8
11	Efficient Spot Welding Sequence Simulation in Compliant Variation Simulation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	5
12	A Robust Design Perspective on Factors Influencing Geometric Quality in Metal Additive Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	3
13	Evaluating different strategies to achieve the highest geometric quality in self-adjusting smart assembly lines. Robotics and Computer-Integrated Manufacturing, 2021, 71, 102164.	9.9	10
14	Combining selective assembly and individualized locator adjustments techniques in a smart assembly line. Procedia CIRP, 2021, 97, 429-434.	1.9	4
15	Automated and interactive evaluation of welding producibility in an multidisciplinary design optimization environment for aircraft components. International Journal on Interactive Design and Manufacturing, 2021, 15, 463-479.	2.2	5
16	Addressing information asymmetry during design: customer-centric approach to harmonization of car body split-lines. Procedia CIRP, 2021, 104, 110-115.	1.9	2
17	Perceived quality of products: a framework and attributes ranking method. Journal of Engineering Design, 2020, 31, 37-67.	2.3	59
18	A new surrogate modelâ€“based method for individualized spot welding sequence optimization with respect to geometrical quality. International Journal of Advanced Manufacturing Technology, 2020, 106, 2333-2346.	3.0	19

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19	Understanding light. A study on the perceived quality of car exterior lighting and interior illumination. Procedia CIRP, 2020, 93, 1340-1345.	1.9	9
20	Design of the top tether component for the premium car market segment: Case study of Volvo Cars. Procedia CIRP, 2020, 91, 146-151.	1.9	0
21	Functional tolerancing of surface texture â€“ a review of existing methods. Procedia CIRP, 2020, 92, 230-235.	1.9	8
22	Optimal design of fixture layouts for compliant sheet metal assemblies. International Journal of Advanced Manufacturing Technology, 2020, 110, 2181-2201.	3.0	21
23	Cognitive Quality: An Unexplored Perceived Quality Dimension in the Automotive Industry. Procedia CIRP, 2020, 91, 869-874.	1.9	9
24	Geometrical Variation Mode Effect Analysis (GVMEA) for Split Lines. Procedia CIRP, 2020, 92, 94-99.	1.9	1
25	Digital Twin for Variation Management: A General Framework and Identification of Industrial Challenges Related to the Implementation. Applied Sciences (Switzerland), 2020, 10, 3342.	2.5	27
26	Effects of the driving context on the usage of Automated Driver Assistance Systems (ADAS) -Naturalistic Driving Study for ADAS evaluation. Transportation Research Interdisciplinary Perspectives, 2020, 4, 100093.	2.7	32
27	Efficient Spot Welding Sequence Optimization in a Geometry Assurance Digital Twin. Journal of Mechanical Design, Transactions of the ASME, 2020, 142, .	2.9	16
28	An Improved Phenotype-Genotype Mapping for Solving Selective Assembly Problem Using Evolutionary Optimization Algorithms. Journal of Computing and Information Science in Engineering, 2020, 20, .	2.7	5
29	A Virtual Design of Experiments Method to Evaluate the Effect of Design and Welding Parameters on Weld Quality in Aerospace Applications. Aerospace, 2019, 6, 74.	2.2	12
30	Corrected capability studies with asymmetrical tolerances. Quality Engineering, 2019, 31, 606-614.	1.1	0
31	Perceived Quality Evaluation with the Use of Extended Reality. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 1993-2002.	0.6	8
32	Perceived quality framework in product generation engineering: anÂautomotive industry example. Design Science, 2019, 5, .	2.1	5
33	Perceived Quality Estimation by the Design of Discrete-Choice Experiment and Bestâ€“Worst Scaling Data: An Automotive Industry Case. Smart Innovation, Systems and Technologies, 2019, , 859-870.	0.6	1
34	A method for identification and sequence optimisation of geometry spot welds in a digital twin context. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5610-5621.	2.1	20
35	Individualizing Locator Adjustments of Assembly Fixtures Using a Digital Twin. Journal of Computing and Information Science in Engineering, 2019, 19, .	2.7	21
36	Nonlinear Material Model in Part Variation Simulations of Sheet Metals. Journal of Computing and Information Science in Engineering, 2019, 19, .	2.7	6

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37	Influence of Selective Laser Heat Treatment Pattern Position on Geometrical Variation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	3
38	Developing a selective assembly technique for sheet metal assemblies. International Journal of Production Research, 2019, 57, 7174-7188.	7.5	32
39	Reliability-Based Design Optimization of Surface-to-Surface Contact for Cutting Tool Interface Designs. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	3
40	Efficient Compliant Variation Simulation of Spot-Welded Assemblies. Journal of Computing and Information Science in Engineering, 2019, 19, .	2.7	18
41	A Novel Rule-Based Method for Individualized Spot Welding Sequence Optimization With Respect to Geometrical Quality. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	15
42	A Welding Capability Assessment Method (WCAM) to support multidisciplinary design of aircraft structures. International Journal on Interactive Design and Manufacturing, 2018, 12, 833-851.	2.2	9
43	Influence of Selective Laser Heat Treatment Pattern Position on Geometrical Variation. , 2018, , .		0
44	Tolerance Analysis of Surface-to-Surface Contacts Using Finite Element Analysis. Procedia CIRP, 2018, 75, 250-255.	1.9	3
45	Evaluating evolutionary algorithms on spot welding sequence optimization with respect to geometrical variation. Procedia CIRP, 2018, 75, 421-426.	1.9	14
46	Geometrical Variation from Selective Laser Heat Treatment of Boron Steels. Procedia CIRP, 2018, 75, 409-414.	1.9	4
47	Geometrical Variations Management 4.0: towards next Generation Geometry Assurance. Procedia CIRP, 2018, 75, 3-10.	1.9	42
48	Minimizing Weld Variation Effects Using Permutation Genetic Algorithms and Virtual Locator Trimming. Journal of Computing and Information Science in Engineering, 2018, 18, .	2.7	7
49	A Multistage Approach to the Selective Assembly of Components Without Dimensional Distribution Assumptions. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	20
50	Evaluating How Functional Performance in Aerospace Components Is Affected by Geometric Variation. SAE International Journal of Aerospace, 2018, 11, 5-26.	4.0	3
51	An information and simulation framework for increased quality in welded components. CIRP Annals - Manufacturing Technology, 2018, 67, 165-168.	3.6	24
52	Tolerancing: Managing uncertainty from conceptual design to final product. CIRP Annals - Manufacturing Technology, 2018, 67, 695-717.	3.6	119
53	Efficient Variation Simulation of Spot-Welded Assemblies. , 2018, , .		9
54	Basic complexity criteria and their impact on manual assembly quality in actual production. International Journal of Industrial Ergonomics, 2017, 58, 117-128.	2.6	22

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55	Assessment of manual assembly complexity: a theoretical and empirical comparison of two methods. International Journal of Production Research, 2017, 55, 7237-7250.	7.5	14
56	Towards Overcoming the Boundaries between Manufacturing and Perceived Quality: An Example of Automotive Industry. Procedia CIRP, 2017, 63, 733-738.	1.9	8
57	Proactive assessment of basic complexity in manual assembly: development of a tool to predict and control operator-induced quality errors. International Journal of Production Research, 2017, 55, 4248-4260.	7.5	39
58	Inspection Data to Support a Digital Twin for Geometry Assurance. , 2017, , .		32
59	Minimizing Weld Variation Effects Using Permutation Genetic Algorithms and Virtual Locator Trimming. , 2017, , .		1
60	Contact Variation Optimization for Surface-to-Surface Contacts. , 2017, , .		1
61	Toward a Digital Twin for real-time geometry assurance in individualized production. CIRP Annals - Manufacturing Technology, 2017, 66, 137-140.	3.6	419
62	Variation Simulation of Dissimilar Materials Using Clip Fasteners. , 2016, , .		1
63	Controlling Geometrical Variation Caused by Assembly Fixtures. Journal of Computing and Information Science in Engineering, 2016, 16, .	2.7	9
64	Geometry Assurance Integrating Process Variation With Simulation of Spring-In for Composite Parts and Assemblies. Journal of Computing and Information Science in Engineering, 2016, 16, .	2.7	13
65	Including Measures of Assembly Complexity in Proactive Geometry Assurance, A Case Study. Procedia CIRP, 2016, 44, 151-156.	1.9	1
66	Welding of Non-nominal Geometries â€“ Physical Tests. Procedia CIRP, 2016, 43, 136-141.	1.9	9
67	An Industrially Validated CMM Inspection Process with Sequence Constraints. Procedia CIRP, 2016, 44, 138-143.	1.9	17
68	Enabling Reuse of Inspection Data to Support Robust Design: A Case in the Aerospace Industry. Procedia CIRP, 2016, 43, 41-46.	1.9	11
69	Criteria for Assessment of Basic Manual Assembly Complexity. Procedia CIRP, 2016, 44, 424-428.	1.9	22
70	The Communication Strategies and Customer's Requirements Definition at the Early Design Stages: An Empirical Study on Italian Luxury Automotive Brands. Procedia CIRP, 2016, 50, 553-558.	1.9	17
71	Virtual Geometry Assurance Process and Toolbox. Procedia CIRP, 2016, 43, 3-12.	1.9	47
72	Using Product and Manufacturing System Platforms to Generate Producible Product Variants. Procedia CIRP, 2016, 44, 61-66.	1.9	7

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73	Robust Design of Aero Engine Structures: Transferring form Error Data When Mapping Out Design Spaces for New Turbine Components. Procedia CIRP, 2016, 43, 47-51.	1.9	10
74	Bridging the Gap between Point Cloud and CAD: a Method to Assess Form Error in Aero Structures. , 2016, , .		2
75	Efficient Contact Modeling in Nonrigid Variation Simulation. Journal of Computing and Information Science in Engineering, 2016, 16, .	2.7	43
76	Development of a Conceptual Framework to Assess Producibility for Fabricated Aerospace Components. Procedia CIRP, 2016, 41, 681-686.	1.9	9
77	Challenges Moving From Physical Into Virtual Verification of Sheet Metal Assemblies. , 2015, , .		2
78	Defining Perceived Quality in the Automotive Industry: An Engineering Approach. Procedia CIRP, 2015, 36, 165-170.	1.9	45
79	Variation simulation of stress during assembly of composite parts. CIRP Annals - Manufacturing Technology, 2015, 64, 17-20.	3.6	37
80	Taxation and Transparency: How Policy Decisions Impact Product Quality and Sustainability. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	2.9	4
81	Welding Simulation of Non-Nominal Structures With Clamps. Journal of Computing and Information Science in Engineering, 2015, 15, .	2.7	0
82	Visual quality and sustainability considerations in tolerance optimization: A market-based approach. International Journal of Production Economics, 2015, 168, 167-180.	8.9	16
83	Form Division for Welded Aero Components in Platform-Based Development. Journal of Aerospace Engineering, 2015, 28, 04014126.	1.4	2
84	Minimizing Dimensional Variation and Robot Traveling Time in Welding Stations. Procedia CIRP, 2014, 23, 77-82.	1.9	21
85	Influence of rigid and non-rigid variation simulations when assessing perceived quality of split-lines. Journal of Engineering Design, 2014, 25, 1-24.	2.3	7
86	An Industrially Validated Method for Weld Load Balancing in Multi Station Sheet Metal Assembly Lines. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	15
87	Geometry Assurance Integrating Process Variation With Simulation of Spring-In for Composite Parts and Assemblies. , 2014, , .		8
88	Variation Simulation of Stresses Using the Method of Influence Coefficients. Journal of Computing and Information Science in Engineering, 2014, 14, .	2.7	9
89	Using Morphing Techniques in Early Variation Analysis. Journal of Computing and Information Science in Engineering, 2014, 14, .	2.7	20
90	Method for Handling Model Growth in Nonrigid Variation Simulation of Sheet Metal Assemblies. Journal of Computing and Information Science in Engineering, 2014, 14, .	2.7	16

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91	Variation Simulation of Welded Assemblies Using a Thermo-Elastic Finite Element Model. Journal of Computing and Information Science in Engineering, 2014, 14, .	2.7	15
92	Corporate and Customer Understanding of Core Values Regarding Perceived Quality: Case Studies on Volvo Car Group and Volvo Group Truck Technology. Procedia CIRP, 2014, 21, 171-176.	1.9	15
93	Variation Simulation for Composite Parts and Assemblies Including Variation in Fiber Orientation and Thickness. Procedia CIRP, 2014, 23, 235-240.	1.9	30
94	Geometrical Robustness Analysis Considering Manual Assembly Complexity. Procedia CIRP, 2014, 23, 98-103.	1.9	9
95	Decoupled fixturing strategies for minimized geometrical variation during cutting of stamped parts. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 1401-1408.	2.4	5
96	Tolerance optimisation considering economic and environmental sustainability. Journal of Engineering Design, 2014, 25, 367-390.	2.3	13
97	Industrial-scale Production of Customized Ceramic Prostheses. , 2014, , 327-341.		2
98	Accuracy of virtually planned and CAD/CAM-guided implant surgery onÂplastic models. Journal of Prosthetic Dentistry, 2014, 112, 1472-1478.	2.8	28
99	On the Robustness of the Volumetric Shrinkage Method in the Context of Variation Simulation. , 2014, , .		2
100	Simulation of Non-Nominal Welds by Resolving the Melted Zone and its Implication to Variation Simulation. , 2014, , .		2
101	Policy and Demand as Drivers for Product Quality and Sustainability: A Market Systems Approach. , 2014, , .		0
102	Towards non-FEA-based deformation methods for evaluating perceived quality of split-lines. Journal of Engineering Design, 2013, 24, 623-639.	2.3	1
103	Non-nominal path planning for robust robotic assembly. Journal of Manufacturing Systems, 2013, 32, 429-435.	13.9	19
104	An Approach for Producibility and DFM-methodology in Aerospace Engine Component Development. Procedia CIRP, 2013, 11, 151-156.	1.9	15
105	A Framework for Producibility and Design for Manufacturing Requirements in a System Engineering Context. Procedia CIRP, 2013, 11, 145-150.	1.9	9
106	Automatic assembly path planning for wiring harness installations. Journal of Manufacturing Systems, 2013, 32, 417-422.	13.9	69
107	Statistical shape modeling in virtual assembly using PCA-technique. Journal of Manufacturing Systems, 2013, 32, 456-463.	13.9	27
108	Tolerance Plugin Module in Integrated Design. , 2013, , .		0

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109	Operator Related Causes for Low Correlation Between CAT Simulations and Physical Results. , 2013, , .		2
110	Combining Variation Simulation With Thermal Expansion Simulation for Geometry Assurance. Journal of Computing and Information Science in Engineering, 2013, 13, .	2.7	15
111	An integrated approach to technology platform and product platform development. Concurrent Engineering Research and Applications, 2013, 21, 65-83.	3.2	32
112	Geometric variation simulation and robust design for flexible cables and hoses. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 681-689.	2.4	13
113	Variation Simulation of Stresses Using the Method of Influence Coefficients. , 2013, , .		1
114	Sustainability-Driven Tolerancing and Design Optimization of an Aircraft Engine Component. , 2013, , .		0
115	Using Morphing Techniques in Early Variation Analysis. , 2013, , .		0
116	Simulation of the effect of geometrical variation on assembly and holding forces. International Journal of Product Development, 2013, 18, 88.	0.2	15
117	Tolerance Specification Optimization for Economic and Ecological Sustainability. Lecture Notes in Production Engineering, 2013, , 865-874.	0.4	5
118	A Multi-objective Tolerance Optimization Approach for Economic, Ecological, and Social Sustainability. , 2013, , 729-734.		6
119	Comparing Standards and Policies for Sustainability in Tolerance Optimization. , 2013, , .		0
120	Non-FEA-Based Method as Means for Knowledge Based Assessment of Perceived Quality. , 2013, , .		0
121	Aspects of Fixture Clamp Modeling in Non-Rigid Variation Simulation of Sheet Metal Assemblies. , 2013, , .		1
122	Discrete tolerance allocation for product families. Engineering Optimization, 2012, 44, 75-85.	2.6	7
123	Platform Strategies from a PLM Perspective - Theory and Practice for the Aerospace Industry. , 2012, , .		2
124	Simulating Part and Assembly Variation for Injection Molded Parts. , 2012, , .		6
125	Robust Design and Geometry Assurance Considering Assembly Ergonomics. , 2012, , .		1
126	Combining Variation Simulation With Thermal Expansion for Geometry Assurance. , 2012, , .		2

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127	Using Forming Simulation Results in Virtual Assembly Analysis. , 2012, , .		3
128	Combining Variation Simulation With Welding Simulation for Prediction of Deformation and Variation of a Final Assembly. Journal of Computing and Information Science in Engineering, 2012, 12, .	2.7	23
129	Body in White Geometry Measurements of Non-Rigid Components: A Virtual Perspective. , 2012, , .		6
130	Toward a Method for Improving Product Architecture Solutions by Integrating Designs for Assembly, Disassembly and Maintenance. , 2012, , .		2
131	The influence of spot weld position variation on geometrical quality. CIRP Annals - Manufacturing Technology, 2012, 61, 13-16.	3.6	37
132	Geometrical Coupling Analysis to Reduce Complete Assembly Line Complexity. , 2012, , .		1
133	Parameters Influencing the Perception of Geometrical Deviations in a Virtual Environment. , 2011, , .		1
134	A Framework for Non-Nominal Visualization and Perceived Quality Evaluation. , 2011, , .		4
135	PLM Architecture for Optimization of Geometrical Interfaces in a Product Platform. , 2011, , .		3
136	Evaluating Genetic Algorithms on Welding Sequence Optimization With Respect to Dimensional Variation and Cycle Time. , 2011, , .		8
137	Combining Variation Simulation With Welding Simulation for Prediction of Deformation. , 2010, , .		1
138	Aesthetic consequences of making car exteriors visually robust to geometrical variation. Journal of Design Research, 2010, 8, 252.	0.1	9
139	Load Balancing of Welds in Multi Station Sheet Metal Assembly Lines. , 2010, , .		5
140	Accuracy of CAD/CAM-guided surgical template implant surgery on human cadavers: Part I. Journal of Prosthetic Dentistry, 2010, 103, 334-342.	2.8	65
141	Virtual variation simulation of CAD/CAM template-guided surgeries performed on human cadavers: Part II. Journal of Prosthetic Dentistry, 2010, 104, 48-55.	2.8	9
142	An investigation of the effect of sample size on geometrical inspection point reduction using cluster analysis. CIRP Journal of Manufacturing Science and Technology, 2010, 3, 227-235.	4.5	7
143	GEOMETRY ROBUSTNESS EVALUATION FOR COMMON PARTS IN PLATFORM ARCHITECTURE. International Journal of Shape Modeling, 2010, 16, 129-150.	0.2	0
144	Strategies for Optimization of Spot Welding Sequence With Respect to Geometrical Variation in Sheet Metal Assemblies. , 2010, , .		22

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145	Including Assembly Fixture Repeatability in Rigid and Non-Rigid Variation Simulation. , 2010, , .		6
146	A Measure of the Information Loss for Inspection Point Reduction. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2009, 131, .	2.2	11
147	Non-Rigid Behavior Prediction Based on Styling Data for Evaluation of Perceived Quality. , 2009, , .		0
148	Knowledge-Based Configuration of Integrated Product and Process Platforms. , 2009, , .		4
149	Optimizing Locator Position to Maximize Robustness in Critical Product Dimensions. , 2009, , .		7
150	Variation Feedback and 3D Visualization of Geometrical Inspection Data. , 2009, , .		2
151	Improving decision making by simulating and visualizing geometrical variation in non-rigid assemblies. CIRP Annals - Manufacturing Technology, 2008, 57, 175-178.	3.6	32
152	Tolerance Simulation of Compliant Sheet Metal Assemblies Using Automatic Node-Based Contact Detection. , 2008, , .		29
153	Integrating Assembly Design, Sequence Optimization, and Advanced Path Planning. , 2008, , .		8
154	A Measure of the Information Loss for Inspection Point Reduction. , 2008, , .		0
155	Variation Analysis Toolbox for Non-Nominal Path Planning for Industrial Robots. , 2007, , 1421.		0
156	Categories of Visual Quality Cues. , 2007, , 881.		6
157	Split-line design for given geometry and location schemes. Journal of Engineering Design, 2007, 18, 373-388.	2.3	3
158	Perception of gap and flush in virtual environments. Journal of Engineering Design, 2007, 18, 175-193.	2.3	18
159	An Efficient Solution to the Discrete Least-Cost Tolerance Allocation Problem with General Loss Functions. , 2007, , 115-124.		13
160	Geometrical Robust Form Division. , 2007, , .		1
161	Managing physical dependencies through location system design. Journal of Engineering Design, 2006, 17, 325-346.	2.3	37
162	Computer-aided robustness analysis for compliant assemblies. Journal of Engineering Design, 2006, 17, 411-428.	2.3	60

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163	Visualization of Motion Envelope of Parts and Assemblies Based on Simulation or Measurement Data. , 2006, , .		0
164	Non-Nominal Path Planning of Assembly Processes. , 2005, , 537.		2
165	Comparison of Non-Nominal Geometry Models Represented in Physical Versus Virtual Environments. Journal of Computing and Information Science in Engineering, 2004, 4, 171-177.	2.7	6
166	Assembly Root Cause Analysis: A Way to Reduce Dimensional Variation in Assembled Products. Flexible Services and Manufacturing Journal, 2003, 15, 113-150.	0.4	24
167	Computer-aided tolerance chain and stability analysis. Journal of Engineering Design, 2003, 14, 17-39.	2.3	28
168	Automated Seam Variation and Stability Analysis for Automotive Body Design. , 2003, , 255-264.		6
169	Towards a Method for Early Evaluations of Sheet Metal Assemblies. , 2003, , 275-286.		2
170	Geometrical Inspection Point Reduction Based on Combined Cluster and Sensitivity Analysis. , 2003, , .		5
171	Use of measurement data in computer-aided tolerance management. Journal of Engineering Design, 2002, 13, 63-76.	2.3	7
172	Stability and seam variation analysis for automotive body design. Journal of Engineering Design, 2002, 13, 173-187.	2.3	14
173	Structure and Matrix Models for Tolerance Analysis from Configuration to Detail Design. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2000, 12, 112-125.	2.1	31
174	Multi-Fixture Assembly System Diagnosis Based on Part and Subassembly Measurement Data. , 2000, , .		10
175	Tolerance Chain Detection by Geometrical Constraint Based Coupling Analysis. Journal of Engineering Design, 1999, 10, 5-24.	2.3	28
176	Computer Aided Assembly Robustness Evaluation. Journal of Engineering Design, 1999, 10, 165-181.	2.3	103
177	Dimensional Management in a Computer Integrated Engineering and Manufacturing Environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 289-294.	0.4	0
178	Robust Design by Support of CAT Tools. , 1998, , .		11
179	The Subcontractors Role in Computer Aided Tolerance Management. , 1998, , .		4
180	Spatial Incompatibility: Part Interaction and Tolerance Allocation in Configuration Design. , 1998, , .		5

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181	Joining in Nonrigid Variation Simulation. , 0, , .		14