Joost R Duflou

List of Publications by Year in descending order

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LOOST P DUELOU

#	Article	IF	CITATIONS
1	Thin patientâ€specific clavicle fracture fixation plates can mechanically outperform commercial plates: An in silico approach. Journal of Orthopaedic Research, 2022, 40, 1695-1706.	2.3	3
2	Forecasting global aluminium flows to demonstrate the need for improved sorting and recycling methods. Waste Management, 2022, 137, 231-240.	7.4	25
3	Implementation of circularity indicators in a household product manufacturing company. Procedia CIRP, 2022, 105, 660-665.	1.9	1
4	Remote diagnosis for large household appliances: A case study into repair facilitating strategies. Procedia CIRP, 2022, 105, 872-877.	1.9	2
5	On melt flow visualization in high-power fiber laser cutting. , 2022, , .		2
6	Tool segment repositioning minimization for bending operations. CIRP Annals - Manufacturing Technology, 2022, , .	3.6	0
7	Systematic Quantification of Waste Compositions: A Case Study for Waste of Electric and Electronic Equipment Plastics in the European Union. Sustainability, 2022, 14, 7054.	3.2	1
8	Analysis of evaluation systems for product repairability: A case study for washing machines. Journal of Cleaner Production, 2021, 281, 125122.	9.3	29
9	The influence of end-of-life regulation on vehicle material circularity: A comparison of Europe, Japan, Australia and the US. Resources, Conservation and Recycling, 2021, 168, 105294.	10.8	32
10	Coaxial camera-based monitoring of fiber laser cutting of thick plates. Optics and Laser Technology, 2021, 136, 106743.	4.6	22
11	Hyperspectral imaging and trim-cut visualization of laser cutting. CIRP Annals - Manufacturing Technology, 2021, 70, 207-210.	3.6	12
12	Roughness prediction of laser cut edges by image processing and artificial neural networks. Procedia Manufacturing, 2021, 54, 257-262.	1.9	5
13	Quantifying the environmental impact of clustering strategies in waste management: A case study for plastic recycling from large household appliances. Waste Management, 2021, 126, 497-507.	7.4	8
14	METRICS FOR BIO-INSPIRATION BASED ON TAXONOMIES. Proceedings of the Design Society, 2021, 1, 2087-2096.	0.8	1
15	Reprint of: Where and how to find bio-inspiration?. CIRP Journal of Manufacturing Science and Technology, 2021, 34, 171-177.	4.5	3
16	The energy saving potential of retrofitting a smart heating system: A residence hall pilot study. Sustainable Computing: Informatics and Systems, 2021, 31, 100585.	2.2	2
17	Monitoring Opportunities in Fiber Laser Flame Cutting. Lasers in Manufacturing and Materials Processing, 2021, 8, 491-510.	2.2	8
18	On multi-sensor monitoring of fiber laser fusion cutting. IOP Conference Series: Materials Science and Engineering, 2021, 1135, 012014.	0.6	6

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19	Combined manual and automatic landmark detection for enhanced surface registration of anatomical structures: an extensive parameter study for femur and clavicle. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2020, 8, 94-102.	1.9	2
20	Measuring the performance of more circular complex product supply chains. Resources, Conservation and Recycling, 2020, 154, 104608.	10.8	48
21	Techno-economic potential of recycling Tantalum containing capacitors by automated selective dismantling. Procedia CIRP, 2020, 90, 421-425.	1.9	19
22	Forecasting the EU recycling potential for batteries from electric vehicles. Procedia CIRP, 2020, 90, 432-436.	1.9	17
23	Sustainability impact assessment of an intelligent control system for residential heating. Procedia CIRP, 2020, 90, 232-237.	1.9	2
24	Where and how to find bio-inspiration?. CIRP Journal of Manufacturing Science and Technology, 2020, 31, 61-67.	4.5	17
25	Real-time monitoring of fiber laser cutting of thick plates by means of photodiodes. Procedia CIRP, 2020, 94, 499-504.	1.9	23
26	Product clustering as a strategy for enhanced plastics recycling from WEEE. CIRP Annals - Manufacturing Technology, 2020, 69, 29-32.	3.6	2
27	Nonparametric user activity modelling and prediction. User Modeling and User-Adapted Interaction, 2020, 30, 803-831.	3.8	4
28	Bending Parameters in Heat Assisted Air Bending of High Strength Steels. Procedia Manufacturing, 2020, 47, 1314-1318.	1.9	4
29	Anticipating heat accumulation in laser oxygen cutting of thick metal plates. Journal of Laser Applications, 2020, 32, .	1.7	21
30	Quality assessment of mixed plastic flakes from Waste Electrical and Electronic Equipment (WEEE) by spectroscopic techniques. Resources, Conservation and Recycling, 2020, 158, 104801.	10.8	5
31	Trim-cut technique for analysis of melt flow dynamics in industrial laser cutting machine. Procedia CIRP, 2020, 95, 858-863.	1.9	6
32	Finite element modeling of large radius bending operation. International Journal of Manufacturing Research, 2020, 15, 1.	0.2	0
33	Two regression approaches for prediction of large radius air bending. International Journal of Material Forming, 2019, 12, 379-390.	2.0	7
34	Waste stream characterisation for industrial symbiosis matchmaking: A case study for ferro metals. AIP Conference Proceedings, 2019, , .	0.4	0
35	A modified Swift law for high strength steels. AIP Conference Proceedings, 2019, , .	0.4	0
36	Physics of large radius air bending. Procedia Manufacturing, 2019, 29, 161-168.	1.9	1

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37	Data-driven prediction of air bending. Procedia Manufacturing, 2019, 29, 177-184.	1.9	4
38	Repairability evaluation for energy related products. Procedia CIRP, 2019, 80, 536-541.	1.9	17
39	Multi-step incremental forming using local feature based toolpaths. Procedia Manufacturing, 2019, 29, 28-35.	1.9	3
40	An explorative study on, the influence of an elliptical tool on incremental forming. Procedia Manufacturing, 2019, 29, 74-79.	1.9	8
41	Springback prediction and elasticity modulus variation. Procedia Manufacturing, 2019, 29, 185-192.	1.9	11
42	Thickness validation of modeling tools for laser cutting applications. Procedia Manufacturing, 2019, 29, 383-389.	1.9	2
43	Energy Demand Reduction Of Aluminum Alloys Recycling Through Friction Stir Extrusion Processes Implementation. Procedia Manufacturing, 2019, 33, 632-638.	1.9	8
44	Economic and Environmental Evaluation of Aluminium Recycling based on a Belgian Case Study. Procedia Manufacturing, 2019, 33, 639-646.	1.9	22
45	Anatomical Variation of the Tibia – a Principal Component Analysis. Scientific Reports, 2019, 9, 7649.	3.3	28
46	Diversified recycling strategies for high-end plastics: Technical feasibility and impact assessment. CIRP Annals - Manufacturing Technology, 2019, 68, 29-32.	3.6	2
47	Quality Assessment of Plastic Recyclates from Waste Electrical and Electronic Equipment (WEEE): A Case Study for Desktop Computers, Laptops, and Tablets. , 2019, , 139-154.		4
48	Evaluating the material resource efficiency of secondary aluminium production: A Monte Carlo-based decision-support tool. Journal of Cleaner Production, 2019, 215, 488-496.	9.3	12
49	Why off-the-shelf clavicle plates rarely fit: anatomic analysis of the clavicle through statistical shape modeling. Journal of Shoulder and Elbow Surgery, 2019, 28, 631-638.	2.6	27
50	Theoretical and experimental aspects of laser cutting with elliptically polarized laser beams. Journal of Materials Processing Technology, 2019, 264, 448-453.	6.3	12
51	Bending (Sheets). , 2019, , 125-131.		0
52	Cleaner Production. , 2019, , 272-275.		1
53	Disassembly. , 2019, , 506-511.		1
54	A life cycle energy analysis integrated process planning approach to foster the sustainability of discrete part manufacturing. Energy, 2018, 153, 604-617.	8.8	10

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55	Sustainable aluminium recycling of end-of-life products: A joining techniques perspective. Journal of Cleaner Production, 2018, 178, 119-132.	9.3	61
56	Single point incremental forming: state-of-the-art and prospects. International Journal of Material Forming, 2018, 11, 743-773.	2.0	160
57	Into the development of a model to assess beam shaping and polarization control effects on laser cutting. Journal Physics D: Applied Physics, 2018, 51, 065601.	2.8	6
58	Demanufacturing photovoltaic panels: Comparison of end-of-life treatment strategies for improved resource recovery. CIRP Annals - Manufacturing Technology, 2018, 67, 29-32.	3.6	38
59	Ease of disassembly of products to support circular economy strategies. Resources, Conservation and Recycling, 2018, 135, 323-334.	10.8	174
60	Generating flat patterns for folded structures: Search space reduction. Packaging Technology and Science, 2018, 31, 97-110.	2.8	2
61	Forecasting the recycling potential based on waste analysis: A case study for recycling Nd-Fe-B magnets from hard disk drives. Journal of Cleaner Production, 2018, 175, 96-108.	9.3	28
62	Optimal laser beam configurations for laser cutting of metal sheets. Procedia CIRP, 2018, 74, 714-718.	1.9	12
63	Improving Cluster-based Methods for Usage Anticipation by the Application of Data Transformations. Procedia Manufacturing, 2018, 24, 166-172.	1.9	0
64	Taking Evolution into Account in a Parametric LCA Model for PV Panels. Procedia CIRP, 2018, 69, 389-394.	1.9	19
65	Analytical Prediction of Large Radius Bending by Circular Approximation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	10
66	Advances in macro-scale laser processing. CIRP Annals - Manufacturing Technology, 2018, 67, 719-742.	3.6	23
67	Influence of radiant heating on air bending. International Journal of Advanced Manufacturing Technology, 2018, 97, 1421-1429.	3.0	2
68	Reducing workpieces to their base geometry for multi-step incremental forming using manifold harmonics. AIP Conference Proceedings, 2018, , .	0.4	0
69	Complex deformation routes for direct recycling aluminium alloy scrap via industrial hot extrusion. AIP Conference Proceedings, 2018, , .	0.4	2
70	Disassembly. , 2018, , 1-6.		0
71	Bending (Sheets). , 2018, , 1-7.		0
72	Forecasting the composition of emerging waste streams with sensitivity analysis: A case study for photovoltaic (PV) panels in Flanders. Resources, Conservation and Recycling, 2017, 120, 14-26.	10.8	62

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73	Effect of Laser Transformation Hardening on the Accuracy of SPIF Formed Parts. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	12
74	Production of thin Shell Clavicle Implants through Single Point Incremental Forming. Procedia Engineering, 2017, 183, 174-179.	1.2	36
75	Opportunities in laser cutting with direct diode laser configurations. CIRP Annals - Manufacturing Technology, 2017, 66, 245-248.	3.6	15
76	Experimental investigation of large radius air bending. International Journal of Advanced Manufacturing Technology, 2017, 92, 3553-3569.	3.0	18
77	Considerations on Assist Gas Jet Optimization in Laser Cutting with Direct Diode Laser. Procedia Engineering, 2017, 183, 37-44.	1.2	7
78	Comparative Study of End-of-Life Vehicle Recycling in Australia and Belgium. Procedia CIRP, 2017, 61, 269-274.	1.9	44
79	Environmental Impact of Additive Manufacturing Processes: Does AM Contribute to a More Sustainable Way of Part Manufacturing?. Procedia CIRP, 2017, 61, 582-587.	1.9	167
80	Influence of Global Forced-air Warming on the Bulge Formation in Shallow Sloped SPIF Parts. Procedia Engineering, 2017, 183, 149-154.	1.2	4
81	Complications of skull reconstruction after decompressive craniectomy. Acta Chirurgica Belgica, 2017, 117, 149-156.	0.4	7
82	Automated feature extraction from social media for systematic lead user identification. Technology Analysis and Strategic Management, 2017, 29, 642-654.	3.5	11
83	Charting the Environmental Dimensions of Additive Manufacturing and 3D Printing. Journal of Industrial Ecology, 2017, 21, S9.	5.5	48
84	Design, management and control of demanufacturing and remanufacturing systems. CIRP Annals - Manufacturing Technology, 2017, 66, 585-609.	3.6	156
85	Design for reduced resource consumption during the use phase of products. CIRP Annals - Manufacturing Technology, 2017, 66, 635-658.	3.6	29
86	Environmental Dimensions of Additive Manufacturing: Mapping Application Domains and Their Environmental Implications. Journal of Industrial Ecology, 2017, 21, S49.	5.5	184
87	Improvement potential of today's WEEE recycling performance: The case of LCD TVs in Belgium. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	19
88	Economic and environmental evaluation of design for active disassembly. Journal of Cleaner Production, 2017, 140, 1182-1193.	9.3	37
89	Accurate prediction of large radius air bending using regression. Procedia Engineering, 2017, 207, 1623-1628.	1.2	4
90	Solid state recycling of aluminium alloys via a porthole die hot extrusion process: Scaling up to production. AIP Conference Proceedings, 2017, , .	0.4	4

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91	An ECMS-based powertrain control of a parallel hybrid electric forklift. , 2017, , .		3
92	Intelligent occupancy-driven thermostat by dynamic user profiling. , 2016, , .		2
93	Incremental forming of aluminium alloys in cryogenic environment. AIP Conference Proceedings, 2016,	0.4	4
94	Into polarization control in laser cutting with direct diode lasers. Journal of Laser Applications, 2016, 28, 022207.	1.7	6
95	SEABIRD: Scalable search for systematic biologically inspired design. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2016, 30, 78-95.	1.1	27
96	Impact reduction potential by usage anticipation under comfort trade-off conditions. CIRP Annals - Manufacturing Technology, 2016, 65, 33-36.	3.6	5
97	Current Status, Future Expectations and Mitigation Potential Scenarios for China's Primary Aluminium Industry. Procedia CIRP, 2016, 48, 295-300.	1.9	13
98	Tool Design for Electronic Product Dismantling. Procedia CIRP, 2016, 48, 466-471.	1.9	9
99	Solid state recycling of pure Mg and AZ31 Mg machining chips via spark plasma sintering. Materials and Design, 2016, 109, 520-529.	7.0	30
100	Combining Occupancy User Profiles in a Multi-user Environment: An Academic Office Case Study. , 2016, , .		1
101	Face split interpretations in sheet metal design. AIP Conference Proceedings, 2016, , .	0.4	1
102	Single Point Incremental Forming of an Aged AL-Cu-Mg Alloy: Influence of Pre-heat Treatment and Warm Forming. Journal of Materials Engineering and Performance, 2016, 25, 2478-2488.	2.5	26
103	Life cycle assessment of flax-fibre reinforced epoxidized linseed oil composite with a flame retardant for electronic applications. Journal of Cleaner Production, 2016, 133, 427-438.	9.3	61
104	Environmental Impact Analysis of Primary Aluminium Production at Country Level. Procedia CIRP, 2016, 40, 209-213.	1.9	49
105	Towards accuracy improvement in single point incremental forming of shallow parts formed under laser assisted conditions. International Journal of Material Forming, 2016, 9, 339-351.	2.0	51
106	Simulation of a two-slope pyramid made by SPIF using an adaptive remeshing method with solid-shell finite element. International Journal of Material Forming, 2016, 9, 383-394.	2.0	22
107	Pressure-sensitive fasteners for active disassembly. International Journal of Advanced Manufacturing Technology, 2016, 87, 1519-1529.	3.0	2

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109	Environmental Comparison of Metal Coating Processes. Procedia CIRP, 2015, 29, 420-425.	1.9	4
110	Towards Automatic and Accurate Lead User Identification. Procedia Engineering, 2015, 131, 509-513.	1.2	5
111	Fast Lead User Identification Framework. Procedia Engineering, 2015, 131, 1140-1145.	1.2	10
112	A Variety Metric Accounting for Unbalanced Idea Space Distributions. Procedia Engineering, 2015, 131, 175-183.	1.2	3
113	Single point incremental forming of shape memory polymer foam. MATEC Web of Conferences, 2015, 21, 04007.	0.2	7
114	Economic and Environmental Evaluation of Fasteners for Active Disassembly: A Case Study for Payment Terminals. Procedia CIRP, 2015, 29, 704-709.	1.9	6
115	Influence of a Single Bend in the Bumping Process of Large Radius Air Bending. Key Engineering Materials, 2015, 651-653, 1090-1095.	0.4	3
116	An operation-mode based simulation approach to enhance the energy conservation of machine tools. Journal of Cleaner Production, 2015, 101, 348-359.	9.3	42
117	Environmental assessment of solid state recycling routes for aluminium alloys: Can solid state processes significantly reduce the environmental impact of aluminium recycling?. CIRP Annals - Manufacturing Technology, 2015, 64, 37-40.	3.6	90
118	Improving Resource Efficiency through Recycling Modelling: A Case Study for LCD TVs. Procedia CIRP, 2015, 26, 601-606.	1.9	12
119	Negative Bulge Formation in High Speed Incremental Forming. Key Engineering Materials, 2015, 639, 173-178.	0.4	2
120	Elastomer-based fastener development to facilitate rapid disassembly for consumer products. Journal of Cleaner Production, 2015, 94, 177-186.	9.3	18
121	The Use of Spark Plasma Sintering to Fabricate a Two-phase Material from Blended Aluminium Alloy Scrap and Gas Atomized Powder. Procedia CIRP, 2015, 26, 455-460.	1.9	12
122	A scalable approach for ideation in biologically inspired design. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2015, 29, 19-31.	1.1	16
123	Forecasting waste compositions: A case study on plastic waste of electronic display housings. Waste Management, 2015, 46, 28-39.	7.4	31
124	Environmental modelling of aluminium recycling: a Life Cycle Assessment tool for sustainable metal management. Journal of Cleaner Production, 2015, 105, 357-370.	9.3	101
125	Tool path generation for single point incremental forming using intelligent sequencing and multi-step mesh morphing techniques. International Journal of Material Forming, 2015, 8, 517-532.	2.0	25
126	Energy-based optimization of the material stock allowance for turning-grinding process sequence. International Journal of Advanced Manufacturing Technology, 2014, 75, 503-513.	3.0	10

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127	Environmental impact modeling of selective laser sintering processes. Rapid Prototyping Journal, 2014, 20, 459-470.	3.2	93
128	High-Speed Single Point Incremental Forming of an Automotive Aluminium Alloy. Key Engineering Materials, 2014, 622-623, 433-439.	0.4	17
129	Spark Plasma Sintering As a Solid-State Recycling Technique: The Case of Aluminum Alloy Scrap Consolidation. Materials, 2014, 7, 5664-5687.	2.9	49
130	Energy and Resource Efficiency of Laser Cutting Processes. Physics Procedia, 2014, 56, 854-864.	1.2	44
131	The Multi-Breakage Phenomenon in Air Bending Process. Key Engineering Materials, 2014, 611-612, 1047-1053.	0.4	9
132	A comprehensive analysis of electric energy consumption of single point incremental forming processes. Journal of Cleaner Production, 2014, 67, 173-186.	9.3	38
133	Tool path generation framework for accurate manufacture of complex 3D sheet metal parts using single point incremental forming. Computers in Industry, 2014, 65, 563-584.	9.9	49
134	Closed loop recycling of plastics containing Flame Retardants. Resources, Conservation and Recycling, 2014, 84, 35-43.	10.8	76
135	Comparative impact assessment for flax fibre versus conventional glass fibre reinforced composites: Are bio-based reinforcement materials the way to go?. CIRP Annals - Manufacturing Technology, 2014, 63, 45-48.	3.6	46
136	Springback Prediction of High-strength Steels in Large Radius Air Bending Using Finite Element Modeling Approach. Procedia Engineering, 2014, 81, 1005-1010.	1.2	19
137	A Comparison of Classifiers for Intelligent Machine Usage Prediction. , 2014, , .		8
138	Second Generation of Pressure Sensitive Fasteners for Active Disassembly. Procedia CIRP, 2014, 15, 228-233.	1.9	1
139	Economic and Environmental Aware Maintenance Optimization. Procedia CIRP, 2014, 15, 343-348.	1.9	15
140	Proof of Concept of an Elastomer based Fastener Enabling Rapid Disassembly. Procedia CIRP, 2014, 15, 234-238.	1.9	4
141	Synergizing Industrialized and Developing Countries to Improve Resource Recovery for e–waste: Case Study Belgium–Kenya. Procedia CIRP, 2014, 15, 283-288.	1.9	8
142	Bending (Sheets). , 2014, , 86-92.		0
143	Cleaner Production. , 2014, , 205-208.		1
144	Enhanced Formability of Age-Hardenable Aluminium Alloys by Incremental Forming of Solution-Treated Blanks. Key Engineering Materials, 2013, 549, 164-171.	0.4	7

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145	Plasma detection and control requirements for CO 2 laser cutting. CIRP Annals - Manufacturing Technology, 2013, 62, 215-218.	3.6	13
146	A PSS Model for Diamond Gemstone Processing: Economic Feasibility Analysis. Procedia CIRP, 2013, 7, 395-400.	1.9	2
147	Quantifying the added value of an imperfectly performing condition monitoring system—Application to a wind turbine gearbox. Reliability Engineering and System Safety, 2013, 111, 45-57.	8.9	35
148	Environmental Impact Reduction in Discrete Manufacturing: Examples for Non-Conventional Processes. Procedia CIRP, 2013, 6, 27-34.	1.9	15
149	Effects of boundary conditions on the end-of-life treatment of LCD TVs. CIRP Annals - Manufacturing Technology, 2013, 62, 35-38.	3.6	42
150	A refined typology of product–service systems based on functional hierarchy modeling. Journal of Cleaner Production, 2013, 51, 261-276.	9.3	123
151	Refinements to the variety metric for idea evaluation. Design Studies, 2013, 34, 243-263.	3.1	55
152	Life cycle assessment of wheat gluten powder and derived packaging film. Biofuels, Bioproducts and Biorefining, 2013, 7, 429-458.	3.7	36
153	Tool path compensation strategies for single point incremental sheet forming using multivariate adaptive regression splines. CAD Computer Aided Design, 2013, 45, 575-590.	2.7	98
154	Influence of laser assisted single point incremental forming on the accuracy of shallow sloped parts. , 2013, , .		4
155	Finding Days-of-week Representation for Intelligent Machine Usage Profiling. Journal of Industrial and Intelligent Information, 2013, 1, 148-154.	0.1	4
156	Second Thoughts on Preferred End-of-Life Treatment Strategies for Consumer Products. , 2013, , 19-29.		0
157	Do fiber-reinforced polymer composites provide environmentally benign alternatives? A life-cycle-assessment-based study. MRS Bulletin, 2012, 37, 374-382.	3.5	136
158	An Integrated Approach to Accurate Part Manufacture in Single Point Incremental Forming Using Feature Based Graph Topology. Key Engineering Materials, 2012, 504-506, 869-876.	0.4	10
159	Active Disassembly for the End-of-Life Treatment of Flat Screen Televisions: Challenges and Opportunities. , 2012, , 535-540.		8
160	In-Process Hardening in Laser Supported Incremental Sheet Metal Forming. Key Engineering Materials, 2012, 504-506, 827-832.	0.4	5
161	Automatically Populating the Biomimicry Taxonomy for Scalable Systematic Biologically-Inspired Design. , 2012, , .		8
162	Towards energy and resource efficient manufacturing: A processes and systems approach. CIRP Annals - Manufacturing Technology, 2012, 61, 587-609.	3.6	865

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163	Toward integrated product and process life cycle planning—An environmental perspective. CIRP Annals - Manufacturing Technology, 2012, 61, 681-702.	3.6	155
164	Study of the geometrical inaccuracy on a SPIF two-slope pyramid by finite element simulations. International Journal of Solids and Structures, 2012, 49, 3594-3604.	2.7	39
165	Advanced feature detection algorithms for incrementally formed sheet metal parts. Transactions of Nonferrous Metals Society of China, 2012, 22, s315-s322.	4.2	15
166	Influence of Material Properties on Accuracy Response Surfaces in Single Point Incremental Forming. Key Engineering Materials, 2012, 504-506, 919-924.	0.4	13
167	Optimization of Energy Consumption and Surface Quality in Finish Turning. Procedia CIRP, 2012, 1, 512-517.	1.9	92
168	Bending Properties of Locally Laser Heat Treated AA2024-T3 Aluminium Alloy. Physics Procedia, 2012, 39, 257-264.	1.2	10
169	Critical comparison of methods to determine the energy input for discrete manufacturing processes. CIRP Annals - Manufacturing Technology, 2012, 61, 63-66.	3.6	63
170	Methodology for systematic analysis and improvement of manufacturing unit process life-cycle inventory (UPLCI)—CO2PE! initiative (cooperative effort on process emissions in manufacturing). Part 1: Methodology description. International Journal of Life Cycle Assessment, 2012, 17, 69-78.	4.7	193
171	Methodology for systematic analysis and improvement of manufacturing unit process life cycle inventory (UPLCI) CO2PE! initiative (cooperative effort on process emissions in manufacturing). Part 2: case studies. International Journal of Life Cycle Assessment, 2012, 17, 242-251.	4.7	125
172	Environmental Impact Modeling of Discrete Part Manufacturing Processes. , 2012, , 557-562.		3
173	Environmental Analysis of the Air Bending Process. AIP Conference Proceedings, 2011, , .	0.4	11
174	Preliminary Environmental Assessment of Electrical Discharge Machining. , 2011, , 377-382.		27
175	Unit process impact assessment for discrete part manufacturing: A state of the art. CIRP Journal of Manufacturing Science and Technology, 2011, 4, 129-135.	4.5	59
176	Topic identification based on document coherence and spectral analysis. Information Sciences, 2011, 181, 3783-3797.	6.9	9
177	Strain evolution in the single point incremental forming process: digital image correlation measurement and finite element prediction. International Journal of Material Forming, 2011, 4, 55-71.	2.0	80
178	Identifying candidates for design-by-analogy. Computers in Industry, 2011, 62, 446-459.	9.9	64
179	Experimental and numerical study of an AlMgSc sheet formed by an incremental process. Journal of Materials Processing Technology, 2011, 211, 1684-1693.	6.3	21
180	Effectiveness of the PAnDA ideation tool. Procedia Engineering, 2011, 9, 63-76.	1.2	18

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181	Quantifying and formalizing product aspects through patent mining. Procedia Engineering, 2011, 9, 323-336.	1.2	7
182	Applying TRIZ for systematic manufacturing process innovation: the single point incremental forming case. Procedia Engineering, 2011, 9, 528-537.	1.2	18
183	On the complementarity of TRIZ and axiomatic design: from decoupling objective to contradiction identification. Procedia Engineering, 2011, 9, 633-639.	1.2	20
184	Towards more visible scientific findings in TRIZ communities through ETRIA. Procedia Engineering, 2011, 9, 1-2.	1.2	0
185	Deviations between FE Simulation and Experiments in the SPIF Process. Key Engineering Materials, 2011, 473, 937-946.	0.4	0
186	Accuracy Improvement in Single Point Incremental Forming through Systematic Study of Feature Interactions. Key Engineering Materials, 2011, 473, 881-888.	0.4	25
187	Multivariate Adaptive Regression Splines as a Tool to Improve the Accuracy of Parts Produced by FSPIF. Key Engineering Materials, 2011, 473, 841-846.	0.4	21
188	Environmental Performance of Sheet Metal Working Processes. Key Engineering Materials, 2011, 473, 21-26.	0.4	20
189	Tool Directionality in Contour-Based Incremental Sheet Forming: an Experimental Study on Product Properties and Formability. Key Engineering Materials, 2011, 473, 897-904.	0.4	4
190	A Predictive Model for Tolerance Verification of Bent Sheet Metal Parts. Key Engineering Materials, 2011, 473, 516-523.	0.4	0
191	Environmental Assessment of Printed Circuit Boards from Biobased Materials. , 2011, , 605-610.		4
192	Exergy Efficiency Definitions for Manufacturing Processes. , 2011, , 329-334.		13
193	Energy related environmental impact reduction opportunities in machine design: case study of a laser cutting machine. International Journal of Sustainable Manufacturing, 2010, 2, 80.	0.3	19
194	Force prediction for single point incremental forming deduced from experimental and FEM observations. International Journal of Advanced Manufacturing Technology, 2010, 46, 969-982.	3.0	150
195	Pairwise-adaptive dissimilarity measure for document clustering. Information Sciences, 2010, 180, 2341-2358.	6.9	29
196	The eco-efficiency of reuse centres critically explored – the washing machine case. International Journal of Sustainable Manufacturing, 2009, 1, 265.	0.3	31
197	MK modelling of sheet formability in the incremental sheet forming process, taking into account through-thickness shear. International Journal of Material Forming, 2009, 2, 379-382.	2.0	29
198	Advances in force modelling for SPIF. International Journal of Material Forming, 2009, 2, 25-28.	2.0	18

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199	Small-scale Finite Element Modelling of the Plastic Deformation Zone in the Incremental Forming Process. International Journal of Material Forming, 2008, 1, 1159-1162.	2.0	19
200	Multiple-vector user profiles in support of knowledge sharing. Information Sciences, 2008, 178, 3333-3346.	6.9	11
201	A method for force reduction in heavy duty bending. International Journal of Materials and Product Technology, 2008, 32, 460.	0.2	0
202	Validation of a New Finite Element for Incremental Forming Simulation Using a Dynamic Explicit Approach. Key Engineering Materials, 2007, 344, 495-502.	0.4	15
203	Pressure-triggered active fasteners: Design results using topology optimization. Electronics and the Environment, IEEE International Symposium on, 2007, , .	0.0	4
204	Determination of Strain in Incremental Sheet Forming Process. Key Engineering Materials, 2007, 344, 503-510.	0.4	11
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