Paulo Af Martins

List of Publications by Year
in descending order

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315	5,764	109137	133063
papers	citations	35 h-index	59 g-index

325	325	325	1996
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Wire-Arc Additive Manufacturing of Conformal Cooling Channels: A Feasibility Study. International Journal of Precision Engineering and Manufacturing - Green Technology, 2023, 10, 45-57.	2.7	5
2	Numerical Simulation of Resistance Sintering of Titanium by a Porous Continuum Approach. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	0
3	Double-sided self-pierce riveting with flat-bottom holes: a feasibility study. Production Engineering, 2022, 16, 401-409.	1.1	6
4	The influence of strain hardening and surface flank angles on asperity flattening under subsurface deformation at low normal pressures. Tribology International, 2022, 167, 107416.	3.0	5
5	A new deformation assisted joining process for connecting tubes to stronger tubesheets. Thin-Walled Structures, 2022, 173, 108975.	2.7	1
6	Revisiting the fracture forming limits of bulk forming under biaxial tension. International Journal of Damage Mechanics, 2022, 31, 882-900.	2.4	10
7	The role of entrapped lubricant in asperity flattening under bulk plastic deformation. CIRP Annals - Manufacturing Technology, 2022, 71, 241-244.	1.7	6
8	A self-clinching fastener for hidden lap joints. CIRP Journal of Manufacturing Science and Technology, 2022, 37, 434-442.	2.3	7
9	Busbars for e-mobility: State-of-the-Art Review and a New Joining by Forming Technology. Materials Forming, Machining and Tribology, 2022, , 111-141.	0.7	6
10	Review on mechanical joining by plastic deformation. Journal of Advanced Joining Processes, 2022, 5, 100113.	1.5	43
11	On the applicability limits of double-sided self-pierce riveting. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 2027-2036.	0.7	4
12	Injection Lap Riveting of Aluminum Busbarsâ€"A Thermo-Electro-Mechanical Investigation. Journal of Manufacturing and Materials Processing, 2022, 6, 74.	1.0	4
13	Influence of corrosion on the electrical and mechanical performance of hybrid busbars. International Journal of Lightweight Materials and Manufacture, 2022, 5, 510-519.	1.3	0
14	Theory of single point incremental forming of tubes. Journal of Materials Processing Technology, 2021, 287, 116659.	3.1	16
15	Deformation-assisted joining of tubes to sheets made from dissimilar materials. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1443-1450.	0.7	2
16	Invisible mechanical lap joints for metalâ€"polymer laminates. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 320-328.	0.7	1
17	Coin minting by additive manufacturing and forming. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 819-828.	1.5	5
18	On the Characterization of Fracture Loci in Thin-Walled Tube Forming. Minerals, Metals and Materials Series, 2021, , 113-125.	0.3	4

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19	Deformation assisted joining. , 2021, , 139-172.		2
20	Injection lap riveting. CIRP Annals - Manufacturing Technology, 2021, 70, 261-264.	1.7	14
21	Formability. , 2021, , 7-107.		9
22	Finite element simulation: A user's perspective. , 2021, , 109-180.		5
23	Single-Stroke Attachment of Sheets to Tube Ends Made from Dissimilar Materials. Materials, 2021, 14, 815.	1.3	4
24	On the prediction of wrinkling in flexible roll forming. International Journal of Advanced Manufacturing Technology, 2021, 113, 2257-2275.	1.5	10
25	Assembly of lightweight sandwich panels through joining by forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1645-1654.	0.7	0
26	Deformation assisted joining of sheets to rods by indentation and injection. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 247-255.	2.3	3
27	Hybrid metal additive manufacturing: A stateâ€“ofâ€“the-art review. Advances in Industrial and Manufacturing Engineering, 2021, 2, 100032.	1.2	57
28	Double-sided self-pierce riveting of polymer sheets. Journal of Advanced Joining Processes, 2021, 3, 100051.	1.5	9
29	Cross-wire welding analyzed by experiments and simulations. Journal of Advanced Joining Processes, 2021, 3, 100039.	1.5	1
30	Double-sided self-pierce riveting of dissimilar materials. International Journal of Advanced Manufacturing Technology, 2021, 115, 3679-3687.	1.5	14
31	A new deformation assisted tube-to-tubesheet joining process. Thin-Walled Structures, 2021, 163, 107784.	2.7	4
32	Integration of tube end forming in wire arc additive manufacturing: An experimental and numerical investigation. International Journal of Advanced Manufacturing Technology, 2021, 117, 2715-2726.	1.5	7
33	Formability of wire-arc deposited AISI 316L sheets for hybrid additive manufacturing applications. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2839-2850.	0.7	6
34	Tube Expansion by Single Point Incremental Forming: An Experimental and Numerical Investigation. Metals, 2021, 11, 1481.	1.0	3
35	Finite element flow formulation. , 2021, , 181-249.		10
36	Hybrid Manufacturing of Stiffening Grooves in Additive Deposited Thin Parts. Journal of Manufacturing and Materials Processing, 2021, 5, 140.	1.0	2

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37	Mechanical joining of sheets to tubes by squeeze-grooving. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 120-129.	0.7	1
38	Integration of Forming Operations on Hybrid Additive Manufacturing Systems Based on Fusion Welding. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 595-607.	2.7	30
39	Formability limits in sheet-bulk forming. International Journal of Machine Tools and Manufacture, 2020, 149, 103509.	6.2	10
40	Manufacturing hybrid busbars through joining by forming. Journal of Materials Processing Technology, 2020, 279, 116574.	3.1	11
41	Joining aluminium profiles to composite sheets by additive manufacturing and forming. Journal of Materials Processing Technology, 2020, 279, 116587.	3.1	17
42	On the Performance and Recyclability of a Green Composite Based on AESO Resin. Journal of Manufacturing and Materials Processing, 2020, 4, 65.	1.0	5
43	Hybrid Additive Manufacturing of Collector Coins. Journal of Manufacturing and Materials Processing, 2020, 4, 115.	1.0	4
44	Self-pierce riveting of tubes to sheets. International Journal of Advanced Manufacturing Technology, 2020, 111, 3351-3360.	1.5	6
45	Double-sided self-pierce riveting. International Journal of Advanced Manufacturing Technology, 2020, 108, 1541-1549.	1.5	18
46	Joining metal-polymer sandwich composite sheets with mechanical nuggets. CIRP Annals - Manufacturing Technology, 2020, 69, 249-252.	1.7	6
47	Joining by boss forming of rods and tubes to sheets. Journal of Advanced Joining Processes, 2020, 1, 100001.	1.5	8
48	Joining by forming of polymer-metal sheet-tube connections. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 938-946.	0.7	3
49	Metal Forming: Formability. , 2019, , .		1
50	On the formability limits of thin-walled tube inversion using different die fillet radii. Thin-Walled Structures, 2019, 144, 106328.	2.7	23
51	Experimental and numerical study of the joinability of sheets by sheet-bulk forming. International Journal for Computational Methods in Engineering Science and Mechanics, 2019, 20, 283-292.	1.4	1
52	Joining by forming of lightweight sandwich composite panels. Procedia Manufacturing, 2019, 29, 288-295.	1.9	10
53	A new joining by forming process for fixing sheets to tubes. International Journal of Advanced Manufacturing Technology, 2019, 104, 3199-3207.	1.5	4
54	Fracture Forming Limits for Near Net Shape Forming of Sheet Metals. Materials Forming, Machining and Tribology, 2019, , 159-175.	0.7	0

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55	Formability Limits, Fractography and Fracture Toughness in Sheet Metal Forming. Materials, 2019, 12, 1493.	1.3	19
56	A flexible sheet-bulk forming demonstrator. International Journal of Advanced Manufacturing Technology, 2019, 103, 1405-1417.	1.5	7
57	Joining sheets to tubes by annular sheet squeezing. International Journal of Machine Tools and Manufacture, 2019, 143, 16-22.	6.2	12
58	On the determination of forming limits in thin-walled tubes. International Journal of Mechanical Sciences, 2019, 155, 381-391.	3.6	34
59	Joining sheets to rods by boss forming. CIRP Annals - Manufacturing Technology, 2019, 68, 265-268.	1.7	8
60	A new type of bi-material coin. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 2358-2367.	1.5	6
61	Process window of tube-end inversion: experimentation and numerical analysis. Procedia Manufacturing, 2019, 41, 944-951.	1.9	3
62	An Experimental and Numerical Analysis of the Compression of Bimetallic Cylinders. Materials, 2019, 12, 4094.	1.3	8
63	Deformation-Assisted Joining of Sheets to Tubes by Annular Sheet Squeezing. Materials, 2019, 12, 3909.	1.3	8
64	A digital image correlation based methodology to characterize formability in tube forming. Journal of Strain Analysis for Engineering Design, 2019, 54, 139-148.	1.0	10
65	Joining by forming of metalâ€“polymer sandwich composite panels. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 2089-2098.	1.5	7
66	Friction Compensation in the Compression Test. , 2019, , 85-104.		3
67	A combined numerical and experimental approach for determining the contact temperature in an industrial ironing operation. Journal of Materials Processing Technology, 2019, 264, 249-258.	3.1	5
68	Joining by forming of additive manufactured â€˜mortise-and-tenonâ€™ joints. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 166-173.	1.5	14
69	Joining sandwich composite panels to tubes. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1472-1481.	0.7	6
70	Numerical and experimental analysis of coin minting. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 842-849.	0.7	7
71	Internal shear cracking in bulk metal forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 603-614.	0.7	0
72	A new joining by forming process to produce lap joints in metal sheets. CIRP Annals - Manufacturing Technology, 2018, 67, 301-304.	1.7	17

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73	New methodology for the characterization of failure by fracture in bulk forming. Journal of Strain Analysis for Engineering Design, 2018, 53, 242-247.	1.0	12
74	Towards joining by plastic buckling of hollow polyvinylchloride profiles. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 592-601.	0.7	0
75	Formability limits by wrinkling in sheet metal forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 681-692.	0.7	11
76	Local forming of gears by indentation of sheets. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 838-847.	1.5	8
77	Joining tubes to sheets by boss forming and upsetting. Journal of Materials Processing Technology, 2018, 252, 773-781.	3.1	28
78	Two-stage joining of sheets perpendicular to one another by sheet-bulk forming. Journal of Materials Processing Technology, 2018, 253, 109-120.	3.1	5
79	Joining by sheet-bulk forming of tubes to sheets. Procedia Manufacturing, 2018, 15, 1322-1329.	1.9	0
80	Sheet-bulk forming of three-dimensional features in metal and polymer blanks. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, , 146442071879669.	0.7	0
81	On the Performance of Thin-Walled Crash Boxes Joined by Forming. Materials, 2018, 11, 1118.	1.3	8
82	Finite element design procedure for correcting the coining die profiles. Manufacturing Review, 2018, 5, 3.	0.9	3
83	Coin Minting. Materials Forming, Machining and Tribology, 2018, , 83-111.	0.7	1
84	A new test for determining the mechanical and fracture behavior of materials in sheet-bulk metal forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 693-703.	0.7	5
85	Pressure-assisted forming of non-concentric tubular cross sections with solid medium. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 2123-2132.	1.5	2
86	Joining of polymer and metal tubes by cold forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 505-515.	0.7	1
87	Joining sheets perpendicular to one other by sheet-bulk metal forming. International Journal of Advanced Manufacturing Technology, 2017, 89, 77-86.	1.5	12
88	Lightweight joining of polymer and polymer-metal sheets by sheet-bulk forming. Journal of Cleaner Production, 2017, 145, 98-104.	4.6	11
89	Joining of tubes by internal mechanical locking. Journal of Materials Processing Technology, 2017, 242, 196-204.	3.1	8
90	Determining the fracture forming limits in sheet metal forming: A technical note. Journal of Strain Analysis for Engineering Design, 2017, 52, 467-471.	1.0	9

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91	Revisiting liquid lubrication methods by means of a fully coupled approach combining plastic deformation and liquid lubrication. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 1425-1433.	1.0	5
92	Boss forming of annular flanges in thin-walled tubes. Journal of Materials Processing Technology, 2017, 250, 182-189.	3.1	23
93	Formability of a wire arc deposited aluminium alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4059-4068.	0.8	36
94	Sheet-bulk forming of tubes for joining applications. Journal of Materials Processing Technology, 2017, 240, 154-161.	3.1	20
95	Joining end-to-end tubing of dissimilar materials by forming. International Journal of Pressure Vessels and Piping, 2017, 149, 24-32.	1.2	11
96	Predicting the onset of cracks in bulk metal forming by ductile damage criteria. Procedia Engineering, 2017, 207, 2048-2053.	1.2	12
97	On the Utilization of Circle Grid Analysis in Thin-walled Forming of Tubes: Experimental and Numerical Evaluation. Procedia Engineering, 2017, 207, 1773-1778.	1.2	4
98	Continuous Strip Reduction Test Simulating Tribological Conditions in Ironing. Procedia Engineering, 2017, 207, 2286-2291.	1.2	12
99	Parallel direct solver for finite element modeling of manufacturing processes. , 2017, , 1-30.		0
100	Hole-flanging by single point incremental forming. , 2016, , 25-50.		4
101	Thin Sheet Fracture. , 2016, , .		0
102	Material efficient process for producing lightweight tubular screws and nuts. Journal of Cleaner Production, 2016, 135, 1673-1680.	4.6	2
103	Modelling of real area of contact between tool and workpiece in metal forming processes including the influence of subsurface deformation. CIRP Annals - Manufacturing Technology, 2016, 65, 261-264.	1.7	31
104	Friction Compensation in the Upsetting of Cylindrical Test Specimens. Experimental Mechanics, 2016, 56, 1271-1279.	1.1	37
105	Fracture toughness and failure limits in sheet metal forming. Journal of Materials Processing Technology, 2016, 234, 249-258.	3.1	24
106	Innovative Testing Machines and Methodologies for the Mechanical Characterization of Materials. Experimental Techniques, 2016, 40, 569-581.	0.9	28
107	Local sheet thickening by in-plane swaging. International Journal of Mechanical Sciences, 2016, 119, 59-67.	3.6	5
108	Towards the characterization of fracture in thin-walled tube forming. International Journal of Mechanical Sciences, 2016, 119, 12-22.	3.6	22

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109	Incipient and repeatable plastic flow in incremental sheet-bulk forming of gears. International Journal of Advanced Manufacturing Technology, 2016, 86, 3091-3100.	1.5	15
110	Failure by fracture in sheetâ€“bulk metal forming. Journal of Strain Analysis for Engineering Design, 2016, 51, 387-394.	1.0	9
111	Mechanical joining of PVC tubes by their ends. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2016, 230, 860-868.	0.7	1
112	Numerical Modelling of Damage Evolution in Ingot Forging. Key Engineering Materials, 2015, 651-653, 237-242.	0.4	0
113	Flexible roll forming. , 2015, , 51-71.		6
114	Recent Approaches for the Determination of Forming Limits by Necking and Fracture in Sheet Metal Forming. Procedia Engineering, 2015, 132, 342-349.	1.2	18
115	Hole-flanging of metals and polymers produced by single point incremental forming. International Journal of Materials and Product Technology, 2015, 50, 37.	0.1	15
116	Novel experimental techniques for the determination of the forming limits at necking and fracture. , 2015, , 1-24.		8
117	Innovative cold joining technologies based on tube forming. Manufacturing Review, 2015, 2, 16.	0.9	1
118	Innovative cold joining technologies based on tube forming. MATEC Web of Conferences, 2015, 21, 01002.	0.1	1
119	3D numerical simulation of projection welding of square nuts to sheets. Journal of Materials Processing Technology, 2015, 215, 171-180.	3.1	26
120	A new test for determining fracture toughness in plane stress in mode II. Journal of Strain Analysis for Engineering Design, 2015, 50, 221-231.	1.0	5
121	Failure in single point incremental forming. International Journal of Advanced Manufacturing Technology, 2015, 80, 1471-1479.	1.5	39
122	Revisiting the wrinkling limits in flexible roll forming. Journal of Strain Analysis for Engineering Design, 2015, 50, 528-541.	1.0	29
123	Towards square hole-flanging produced by single point incremental forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2015, 229, 380-388.	0.7	4
124	Fracture Loci in Sheet Metal Forming: A Review. Acta Metallurgica Sinica (English Letters), 2015, 28, 1415-1425.	1.5	12
125	Three-dimensional simulations of resistance spot welding. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 885-897.	1.1	13
126	Revisiting the formability limits by fracture in sheet metal forming. Journal of Materials Processing Technology, 2015, 217, 184-192.	3.1	41

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127	Environmentally friendly joining of tubes by their ends. Journal of Cleaner Production, 2015, 87, 777-786.	4.6	21
128	The Role of Interfaces in the Evaluation of Friction by Ring Compression Testing. Experimental Techniques, 2015, 39, 47-56.	0.9	10
129	Failure by fracture in bulk metal forming. Journal of Materials Processing Technology, 2015, 215, 287-298.	3.1	25
130	Mechanical Joining of Tubes. , 2015, , 369-374.		1
131	Innovative Joining Technologies Based on Tube Forming. Materials Forming, Machining and Tribology, 2015, , 231-248.	0.7	0
132	Incremental Sheet Forming. , 2014, , 7-26.		11
133	Single point incremental forming of a facial implant. Prosthetics and Orthotics International, 2014, 38, 369-378.	0.5	39
134	Physical modeling and numerical simulation of V-die forging ingot with central void. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 2347-2356.	1.1	16
135	Plastic flow and failure in single point incremental forming of PVC sheets. EXPRESS Polymer Letters, 2014, 8, 301-311.	1.1	29
136	An electromagnetic testing machine for determining fracture toughness under different loading rate and superimposed pressure. Journal of Strain Analysis for Engineering Design, 2014, 49, 437-444.	1.0	3
137	Numerical and Experimental Analysis of Resistance Projection Welding of Square Nuts to Sheets. Procedia Engineering, 2014, 81, 2141-2146.	1.2	2
138	Elastomer-assisted compression beading of tubes. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 744-756.	1.5	3
139	Multi-objective Optimization of Die Geometry in Ingot Forging. Procedia Engineering, 2014, 81, 2457-2462.	1.2	2
140	On the relative performance of hole-flanging by incremental sheet forming and conventional press-working. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2014, 228, 312-322.	0.7	10
141	Thermal Analysis of Bending Under Tension Test. Procedia Engineering, 2014, 81, 1805-1810.	1.2	7
142	Tube joining by asymmetric plastic instability. Journal of Materials Processing Technology, 2014, 214, 132-140.	3.1	18
143	Characterization of fracture loci in metal forming. International Journal of Mechanical Sciences, 2014, 83, 112-123.	3.6	112
144	End-to-end joining of tubes by plastic instability. Journal of Materials Processing Technology, 2014, 214, 1954-1961.	3.1	34

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145	Formability limits by fracture in sheet metal forming. Journal of Materials Processing Technology, 2014, 214, 1557-1565.	3.1	180
146	Inclined Tubeâ€‹scp›S‹/scp›heet Plastically Deformed Joints. Steel Research International, 2014, 85, 67-75.	1.0	15
147	Rubber Assisted Compression Beading of Tubes. Procedia CIRP, 2014, 18, 45-50.	1.0	1
148	Fracture in hole-flanging produced by single point incremental forming. International Journal of Mechanical Sciences, 2014, 83, 146-154.	3.6	37
149	Mechanics of sheet-bulk indentation. Journal of Materials Processing Technology, 2014, 214, 2387-2394.	3.1	23
150	Formability and Simulative Tests in Modern Sheet Metal Forming Education. Materials Forming, Machining and Tribology, 2014, , 411-447.	0.7	4
151	Innovative Testing Machines and Methodologies for the Mechanical Characterization of Materials. Experimental Techniques, 2014, 40, n/a-n/a.	0.9	1
152	A new approach for deformation history of material elements in hole-flanging produced by single point incremental forming. International Journal of Advanced Manufacturing Technology, 2013, 69, 1175-1183.	1.5	22
153	Fabrication of metallic liners for composite overwrapped pressure vessels. International Journal of Advanced Manufacturing Technology, 2013, 67, 2671-2680.	1.5	3
154	Two-Point Incremental Forming with Partial Die: Theory and Experimentation. Journal of Materials Engineering and Performance, 2013, 22, 1018-1027.	1.2	56
155	Modeling of Thermo-Electro-Mechanical Manufacturing Processes. SpringerBriefs in Applied Sciences and Technology, 2013, , .	0.2	41
156	Fabrication of metallic liners for composite overwrapped pressure vessels by tube forming. International Journal of Pressure Vessels and Piping, 2013, 111-112, 36-43.	1.2	7
157	Incremental Forming of Hole-Flanges in Polymer Sheets. Materials and Manufacturing Processes, 2013, 28, 330-335.	2.7	40
158	Revisiting the empirical relation for the maximum shearing force using plasticity and ductile fracture mechanics. Journal of Materials Processing Technology, 2013, 213, 1516-1522.	3.1	10
159	All-hexahedral meshing and remeshing for multi-object manufacturing applications. CAD Computer Aided Design, 2013, 45, 911-922.	1.4	10
160	Experimental study of micro electrical discharge machining discharges. Journal of Applied Physics, 2013, 113, 233301.	1.1	9
161	Single-stroke mechanical joining of sheet panels to tubular profiles. Journal of Manufacturing Processes, 2013, 15, 151-157.	2.8	26
162	Innovative tube forming and joining technologies. , 2013, , .		0

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163	Cam-driven electromagnetic mechanical testing machine. , 2013, , 211-231.		0
164	Contact Modeling. SpringerBriefs in Applied Sciences and Technology, 2013, , 37-49.	0.2	0
165	Coupled Finite Element Flow Formulation. SpringerBriefs in Applied Sciences and Technology, 2013, , 11-36.	0.2	17
166	Injection forging of solid asymmetric branched components. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 898-907.	1.5	3
167	On the formability of hole-flanging by incremental sheet forming. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2013, 227, 91-99.	0.7	12
168	Evaluation of the dimensional accuracy in single point incremental forming. , 2013, , .		2
169	Tribology in Metal Cutting. , 2013, , 677-728.		1
170	Environmental Friendly Joining of Tubes. Materials Forming, Machining and Tribology, 2013, , 49-72.	0.7	0
171	Prototype Machine for Micro-EDM. , 2013, , 153-176.		0
172	Mechanical Joining of Tubes to Sheets Along Inclined Planes. Steel Research International, 2012, 83, 1135-1140.	1.0	6
173	Revisiting the Calibration of Friction in Metal Cutting. Tribology Transactions, 2012, 55, 652-664.	1.1	5
174	Electromagnetic Cam Driven Compression Testing Equipment. Experimental Mechanics, 2012, 52, 1211-1222.	1.1	13
175	On the potential of single point incremental forming of sheet polymer parts. International Journal of Advanced Manufacturing Technology, 2012, 60, 75-86.	1.5	70
176	Hole-flanging by incremental sheet forming. International Journal of Machine Tools and Manufacture, 2012, 59, 46-54.	6.2	83
177	Forming tubular hexahedral screwsâ€"Process development by means of a combined finite element-boundary element approach. Engineering Analysis With Boundary Elements, 2012, 36, 1082-1091.	2.0	6
178	Tube branching by asymmetric compression beading. Journal of Materials Processing Technology, 2012, 212, 1200-1208.	3.1	31
179	Joining Sheets to Tubular Profiles by Tube Forming. Advances in Mechatronics and Mechanical Engineering, 2012, , 319-338.	1.0	1
180	Manufacturing Seamless Reservoirs by Tube Forming: Finite Element Modelling and Experimentation. , 2012, , 253-280.		0

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181	Joining sheet panels to thin-walled tubular profiles by tube end forming. Journal of Cleaner Production, 2011, 19, 712-719.	4.6	62
182	Cold End Forming Of Welded Steel Tubes. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2011, 1, 18-30.	0.3	2
183	Failure mechanisms in single-point incremental forming of metals. International Journal of Advanced Manufacturing Technology, 2011, 56, 893-903.	1.5	154
184	Revisiting the Fundamentals and Capabilities of the Stack Compression Test. Experimental Mechanics, 2011, 51, 1565-1572.	1.1	60
185	Fabrication of small size seamless reservoirs by tube forming. International Journal of Pressure Vessels and Piping, 2011, 88, 239-247.	1.2	14
186	Flexible forming tool concept for producing crankshafts. Journal of Materials Processing Technology, 2011, 211, 467-474.	3.1	14
187	Surface roughness and material strength of tribo-pairs in ring compression tests. Tribology International, 2011, 44, 134-143.	3.0	22
188	Cold end forming of thin-walled PVC tubes using a die. International Journal of Materials Engineering Innovation, 2010, 1, 277.	0.2	0
189	Cold Heading of Cylindrical PVC Billets: An Experimental and Theoretical Investigation. Journal of Materials Engineering and Performance, 2010, 19, 1276-1283.	1.2	3
190	Nosing thin-walled tubes into axisymmetric seamless reservoirs using recyclable mandrels. Journal of Cleaner Production, 2010, 18, 1740-1749.	4.6	12
191	Forming of thin-walled tubes into toroidal shells. Journal of Materials Processing Technology, 2010, 210, 689-695.	3.1	10
192	Cutting under active and inert gas shields: A contribution to the mechanics of chip flow. International Journal of Machine Tools and Manufacture, 2010, 50, 892-900.	6.2	15
193	Single point incremental forming of PVC: Experimental findings and theoretical interpretation. European Journal of Mechanics, A/Solids, 2010, 29, 557-566.	2.1	54
194	Mechanical characterization of materials for bulk forming using a drop weight testing machine. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1795-1804.	1.1	2
195	On the utilization of pin-on-disc simulative tests for the calibration of friction in metal cutting. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2010, 224, 169-177.	1.0	5
196	The utilisation of pin-on-disc simulative tests for the calibration of friction in mechanical processing of materials. International Journal of Surface Science and Engineering, 2010, 4, 13.	0.4	0
197	Influences of lubricant pocket geometry and working conditions upon micro-lubrication mechanisms in upsetting and strip drawing. International Journal of Surface Science and Engineering, 2010, 4, 42.	0.4	6
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