

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

212  
papers

5,704  
citations

39  
h-index

60  
g-index

220  
ext. papers

6,860  
ext. citations

5.3  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
212	An anisotropic constitutive model for forming of aluminum tubes under both biaxial tension and pure shear stress states. <i>International Journal of Plasticity</i> , <b>2022</b> , 103259	7.6	2
211	Experiment and modeling based studies of the mesoscaled deformation and forming limit of Cu/Ni clad foils using a newly developed damage model. <i>International Journal of Plasticity</i> , <b>2022</b> , 149, 103173	7.6	1
210	Constitutive modeling of multiscale polycrystals considering grain structures and orientations. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 216, 106992	5.5	1
209	Deformation mode and wall thickness variation in conventional spinning of metal sheets. <i>International Journal of Machine Tools and Manufacture</i> , <b>2022</b> , 173, 103846	9.4	5
208	Irregular growth of the $\beta$ phase in a Ni-based superalloys under slow cooling rate. <i>Materials Letters</i> , <b>2022</b> , 307, 131067	3.3	1
207	Electroplasticity in electrically-assisted forming: Process phenomena, performances and modelling. <i>International Journal of Machine Tools and Manufacture</i> , <b>2022</b> , 175, 103871	9.4	2
206	Numerical and experimental study of the size effect on deformation behavior and quality of microembossed multi-channel structures. <i>Journal of Manufacturing Processes</i> , <b>2022</b> , 78, 363-375	5	0
205	Anisotropic plasticity and fracture of alpha titanium sheets from cryogenic to warm temperatures. <i>International Journal of Plasticity</i> , <b>2022</b> , 103348	7.6	0
204	An advanced method for efficiently generating composite RVEs with specified particle orientation. <i>Composites Science and Technology</i> , <b>2021</b> , 205, 108647	8.6	4
203	Circumferential twist in flow forming of tubular parts: Characterization, understanding and control. <i>Journal of Manufacturing Processes</i> , <b>2021</b> , 65, 144-152	5	1
202	Modelling of ultra-thin steel sheet in two-stage tensile deformation considering strain path change and grain size effect and application in multi-stage microforming. <i>International Journal of Machine Tools and Manufacture</i> , <b>2021</b> , 164, 103713	9.4	8
201	Experimental and numerical study of the size effect on compound Meso/Microforming behaviors and performances for making bulk parts by directly using sheet metals. <i>Journal of Manufacturing Processes</i> , <b>2021</b> , 66, 506-520	5	7
200	A multiscale constitutive model coupled with martensitic transformation kinetics for micro-scaled plastic deformation of metastable metal foils. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 202-203, 106503	5.5	1
199	The modified GTN-Thomason criterion for modelling of ductile fracture considering shear factor and size effect in micro-scaled plastic deformation. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 204, 106540	5.5	3
198	Modelling of Springback in Tube Bending: A Generalized Analytical Approach. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 204, 106516	5.5	8
197	Size effects in multi-scale materials processing and manufacturing. <i>International Journal of Machine Tools and Manufacture</i> , <b>2021</b> , 167, 103755	9.4	14
196	Re-precipitation mechanisms of the $\beta$ phase with sphere, near-sphere, cubic, octets and finally-dendrite in as-cast Ni-based superalloys. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 876, 160104	5.7	8

195	The effect of stress state and strain partition mode on the damage behavior of a Mg-Ca alloy. <i>International Journal of Plasticity</i> , <b>2021</b> , 144, 103040	7.6	3
194	Study of dislocation-twin boundary interaction mechanisms in plastic deformation of TWIP steel by discrete dislocation dynamics and dislocation density-based modeling. <i>International Journal of Plasticity</i> , <b>2021</b> , 145, 103076	7.6	7
193	Size effect on the shear damage under low stress triaxiality in micro-scaled plastic deformation of metallic materials. <i>Materials and Design</i> , <b>2020</b> , 196, 109107	8.1	6
192	Micro selective laser melting of NiTi shape memory alloy: Defects, microstructures and thermal/mechanical properties. <i>Optics and Laser Technology</i> , <b>2020</b> , 131, 106374	4.2	24
191	A modified yield function for modeling of the evolving yielding behavior and micro-mechanism in biaxial deformation of sheet metals. <i>International Journal of Plasticity</i> , <b>2020</b> , 129, 102707	7.6	13
190	Microstructure and damage based constitutive modelling of hot deformation of titanium alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 831, 154851	5.7	18
189	Temperature dependent evolution of anisotropy and asymmetry of $\dot{\epsilon}$ in thermomechanical working: Characterization and modeling. <i>International Journal of Plasticity</i> , <b>2020</b> , 127, 102650	7.6	28
188	Microstructure and microtexture evolution of dynamic recrystallization during hot deformation of a nickel-based superalloy. <i>Materials and Design</i> , <b>2020</b> , 188, 108429	8.1	16
187	Micro-mechanical model for the effective thermal conductivity of the multi-oriented inclusions reinforced composites with imperfect interfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 148, 119167	4.9	8
186	Study on the dynamic recrystallization mechanisms of Inconel 740 superalloy during hot deformation. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153325	5.7	38
185	Progressive microforming of pin-shaped plunger parts and the grain size effect on its forming quality. <i>Materials and Design</i> , <b>2020</b> , 187, 108386	8.1	9
184	A multiscale investigation into the effect of grain size on void evolution and ductile fracture: Experiments and crystal plasticity modeling. <i>International Journal of Plasticity</i> , <b>2020</b> , 125, 133-149	7.6	38
183	Experimental investigations and constitutive modeling of the dynamic recrystallization behavior of Inconel 740 superalloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 793, 139939	5.3	12
182	Analysis of size dependent earing evolution in micro deep drawing of TWIP steel by using crystal plasticity modeling. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 165, 105200	5.5	16
181	Deformation behavior and microstructure evolution of titanium alloys with lamellar microstructure in hot working process: A review. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 39, 56-73	9.1	71
180	Interactive effect of grain size and crystal structure on deformation behavior in progressive micro-scaled deformation of metallic materials. <i>International Journal of Machine Tools and Manufacture</i> , <b>2020</b> , 148, 103473	9.4	22
179	Investigation on the enhanced maximum strain rate sensitivity ( $m$ ) superplasticity of Mg-9Li-1Al alloy by a two-step deformation method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2019</b> , 764, 138219	5.3	2
178	Numerical evaluation on the effective thermal conductivity of the composites with discontinuous inclusions: Periodic boundary condition and its numerical algorithm. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 134, 735-751	4.9	16

177	DDRX and CDRX of an as-cast nickel-based superalloy during hot compression at $\bar{\epsilon}$ sub-/super-solvus temperatures. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 803, 16-29	5.7	26
176	Manufacturing of advanced smart tooling for metal forming. <i>CIRP Annals - Manufacturing Technology</i> , <b>2019</b> , 68, 605-628	4.9	41
175	Characterization of the microscale forming limit for metal foils considering free surface roughening and failure mechanism transformation. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 272, 111-124	5.3	15
174	Study on size effect affected progressive microforming of conical flanged parts directly using sheet metals. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 272, 72-86	5.3	17
173	Mechanisms of DRX nucleation with grain boundary bulging and subgrain rotation during the hot working of nickel-based superalloys with columnar grains. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 786, 636-647	5.7	35
172	A finite strain thermodynamically-based constitutive modeling and analysis of viscoelastic-viscoplastic deformation behavior of glassy polymers. <i>International Journal of Plasticity</i> , <b>2019</b> , 122, 135-163	7.6	18
171	Interphase model for FE prediction of the effective thermal conductivity of the composites with imperfect interfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 145, 118796	4.9	7
170	Influence of crystal structure on size dependent deformation behavior and strain heterogeneity in micro-scale deformation. <i>International Journal of Plasticity</i> , <b>2019</b> , 118, 147-172	7.6	30
169	Interactive effect of stress state and grain size on fracture behaviours of copper in micro-scaled plastic deformation. <i>International Journal of Plasticity</i> , <b>2019</b> , 114, 126-143	7.6	21
168	A new interpolative homogenization model for evaluation of the effective elasto-plastic responses of two-phase composites. <i>Composite Structures</i> , <b>2019</b> , 210, 810-821	5.3	7
167	Tribological behaviors in titanium sheet and tube forming at elevated temperatures: evaluation and modeling. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 657-674	3.2	14
166	Microstructure evolution in the conventional single side and bobbin tool friction stir welding of thick rolled 7085-T7452 aluminum alloy. <i>Materials Characterization</i> , <b>2018</b> , 138, 48-55	3.9	73
165	Formability limits and process window based on fracture analysis of 5A02-O aluminium alloy in splitting spinning. <i>Journal of Materials Processing Technology</i> , <b>2018</b> , 257, 15-32	5.3	15
164	Formation mechanism and control of flaring in forward tube spinning. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 94, 59-72	3.2	12
163	Study of microstructural grain and geometric size effects on plastic heterogeneities at grain-level by using crystal plasticity modeling with high-fidelity representative microstructures. <i>International Journal of Plasticity</i> , <b>2018</b> , 100, 69-89	7.6	55
162	Deformation characteristic and geometrical size effect in continuous manufacturing of cylindrical and variable-thickness flanged microparts. <i>Journal of Materials Processing Technology</i> , <b>2018</b> , 252, 546-558	5.3	13
161	Co-effect of microstructure and surface constraints on plastic deformation in micro- and mesoscaled forming process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 98, 1861-1886 <sup>10</sup>	3.2	10
160	Study on the Enhanced Superplasticity of Mg-Li Based Alloy by a Stepped Deformation Method. <i>Defect and Diffusion Forum</i> , <b>2018</b> , 385, 103-108	0.7	1

159	Influence of size effect and plastic strain gradient on the springback behaviour of metallic materials in microbending process. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 146-147, 105-115	5.5	13
158	Comparative study on local and global mechanical properties of bobbin tool and conventional friction stir welded 7085-T7452 aluminum thick plate. <i>Journal of Materials Science and Technology</i> , <b>2018</b> , 34, 173-184	9.1	38
157	Element diffusion model with variable coefficient in bimetallic bonding process. <i>Journal of Materials Processing Technology</i> , <b>2018</b> , 253, 99-108	5.3	12
156	Dependence of processing window and microstructural evolution on initial material state in direct electric resistance heat treatment of NiTi alloy. <i>Materials and Design</i> , <b>2018</b> , 139, 549-564	8.1	4
155	A Review of Progressive and Compound Forming of Bulk Microparts by Using Sheet Metals. <i>MATEC Web of Conferences</i> , <b>2018</b> , 190, 01001	0.3	2
154	Mechanical behavior of 7085-T7452 aluminum alloy thick plate joint produced by double-sided friction stir welding: Effect of welding parameters and strain rates. <i>Journal of Manufacturing Processes</i> , <b>2018</b> , 35, 261-270	5	13
153	A Two-Stage Physical-Based Model for Predicting Flow Stress of As-cast TiAl Alloy Under Hot Deformation Conditions. <i>Journal of Materials Engineering and Performance</i> , <b>2018</b> , 27, 5384-5394	1.6	4
152	Extrapolation based constitutive modeling of flow stress of titanium alloy sheet under hot-working condition. <i>Materials and Design</i> , <b>2018</b> , 154, 96-107	8.1	15
151	Microstructure evolution of Ti-6Al-2Zr-1Mo-1V alloy and its mechanism in multi-pass flow forming. <i>Journal of Materials Processing Technology</i> , <b>2018</b> , 261, 86-97	5.3	18
150	A ductile fracture model considering stress state and Zener-Hollomon parameter for hot deformation of metallic materials. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 144, 800-812	5.5	24
149	Anisotropic and asymmetrical yielding and its evolution in plastic deformation: Titanium tubular materials. <i>International Journal of Plasticity</i> , <b>2017</b> , 90, 177-211	7.6	46
148	Dynamic recrystallization based ductile fracture modeling in hot working of metallic materials. <i>International Journal of Plasticity</i> , <b>2017</b> , 95, 105-122	7.6	30
147	Constitutive modeling of size effect on deformation behaviors of amorphous polymers in micro-scaled deformation. <i>International Journal of Plasticity</i> , <b>2017</b> , 89, 197-222	7.6	22
146	Influences of size effect and stress condition on ductile fracture behavior in micro-scaled plastic deformation. <i>Materials and Design</i> , <b>2017</b> , 131, 69-80	8.1	24
145	Effect of low-temperature aging treatment on thermally- and stress-induced phase transformations of nanocrystalline and coarse-grained NiTi wires. <i>Materials and Design</i> , <b>2017</b> , 131, 49-59	8.1	19
144	Strain-rate sensitivity of powder metallurgy superalloys associated with steady-state DRX during hot compression process. <i>Metals and Materials International</i> , <b>2017</b> , 23, 350-358	2.4	6
143	Study of deformation and ductile fracture behaviors in micro-scale deformation using a combined surface layer and grain boundary strengthening model. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 131-132, 924-937	5.5	10
142	Forming limit of sheet metals in meso-scale plastic forming by using different failure criteria. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 120, 190-203	5.5	27

141	Size effect affected deformation characteristics in micro deep drawing of TWIP domed-bottom cups. <i>Procedia Engineering</i> , <b>2017</b> , 207, 2072-2077		5
140	The cliff-valley approach in the P-maps of PM/W joints for manufacturing the dual-alloys turbine disc. <i>Procedia Engineering</i> , <b>2017</b> , 207, 1117-1122		
139	Deformation behavior and microstructure evolution in thermal-aided mesoforming of titanium dental abutment. <i>Materials and Design</i> , <b>2016</b> , 89, 1283-1293	8.1	21
138	Modeling of slip, twinning and transformation induced plastic deformation for TWIP steel based on crystal plasticity. <i>International Journal of Plasticity</i> , <b>2016</b> , 76, 186-212	7.6	51
137	Applicability of the uncoupled ductile fracture criteria in micro-scaled plastic deformation. <i>International Journal of Damage Mechanics</i> , <b>2016</b> , 25, 289-314	3	7
136	Improvement of the thermoplastic formability of Zr65Cu17.5Ni10Al7.5 bulk metallic glass by minor addition of Erbium. <i>Physica B: Condensed Matter</i> , <b>2016</b> , 502, 68-72	2.8	2
135	Effect of grain size on the adhesive and ploughing friction behaviours of polycrystalline metals in forming process. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 117, 197-209	5.5	8
134	Prediction and analysis of ductile fracture in sheet metal forming Part II: Application of the modified Ayada criterion. <i>International Journal of Damage Mechanics</i> , <b>2016</b> , 25, 120-140	3	10
133	Element diffusion model of bimetallic hot deformation in metallurgical bonding process. <i>Materials and Design</i> , <b>2016</b> , 94, 433-443	8.1	23
132	Abnormal flow behavior and necklace microstructure of powder metallurgy superalloys with previous particle boundaries (PPBs). <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 652, 84-91	5.3	13
131	Coupled modeling of anisotropy variation and damage evolution for high strength steel tubular materials. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 105, 41-57	5.5	10
130	Investigation of extrusion limit of Incoloy028 alloy tube by combining numerical and analytical methods. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 83, 177-185	3.2	4
129	Experimental investigation and modeling of ductile fracture behavior of TRIP780 steel in hot working conditions. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 110, 108-115	5.5	17
128	The combined lateral and axial extrusion process of a branched component with two asymmetrically radial features. <i>Materials and Design</i> , <b>2016</b> , 111, 492-503	8.1	5
127	Investigation on the maximum strain rate sensitivity ( m ) superplastic deformation of Mg-Li based alloy. <i>Materials and Design</i> , <b>2016</b> , 112, 151-159	8.1	20
126	A review of geometrical and microstructural size effects in micro-scale deformation processing of metallic alloy components. <i>International Journal of Machine Tools and Manufacture</i> , <b>2016</b> , 109, 94-125	9.4	74
125	Work-hardening effect and strain-rate sensitivity behavior during hot deformation of Ti <sub>5</sub> Al <sub>3</sub> Mo <sub>3</sub> V <sub>1</sub> Cr <sub>1</sub> Fe alloy. <i>Materials and Design</i> , <b>2015</b> , 82, 84-90	8.1	29
124	Ductile fracture and deformation behavior in progressive microforming. <i>Materials and Design</i> , <b>2015</b> , 83, 14-25	8.1	36

123	Size effect on deformation behavior and ductile fracture in microforming of pure copper sheets considering free surface roughening. <i>Materials and Design</i> , <b>2015</b> , 83, 400-412	8.1	70
122	Effect of cooling path on the phase transformation of boron steel 22MnB5 in hot stamping process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 81, 1391-1402	3.2	15
121	Microstructure and superplastic deformation for aerospace Ti-alloys associated with phase curing behavior. <i>Aerospace Science and Technology</i> , <b>2015</b> , 45, 416-421	4.9	11
120	Competition between work-hardening effect and dynamic-softening behavior for processing as-cast GH4720Li superalloys with original dendrite microstructure during moderate-speed hot compression. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 642, 187-193	5.3	37
119	Multivariable analysis of micro shearing process customized for progressive forming of micro-parts. <i>International Journal of Mechanical Sciences</i> , <b>2015</b> , 93, 191-203	5.5	30
118	Microstructural characterization, formation mechanism and fracture behavior of the needle phase in FeNiCr type superalloys with high Nb content. <i>Materials Characterization</i> , <b>2015</b> , 109, 36-42	3.9	26
117	Discontinuous yielding in Ni-base superalloys during high-speed deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 620, 383-389	5.3	22
116	Size effect affected formability of sheet metals in micro/meso scale plastic deformation: Experiment and modeling. <i>International Journal of Plasticity</i> , <b>2015</b> , 68, 34-54	7.6	84
115	Review on progressive microforming of bulk metal parts directly using sheet metals (Keynote Paper). <i>MATEC Web of Conferences</i> , <b>2015</b> , 21, 09001	0.3	1
114	Drawability and frictional behavior of pure molybdenum sheet in deep-drawing process at elevated temperature. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 78, 1005-1014	3.2	10
113	Experimental and theoretical study on the hot forming limit of 22MnB5 steel. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 71, 297-306	3.2	39
112	Effect of discharge voltage on the deformation of Ti Grade 1 rivet in electromagnetic riveting. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 591, 26-32	5.3	33
111	Thermostability and thermoplastic formability of (Zr <sub>65</sub> Cu <sub>17.5</sub> Ni <sub>10</sub> Al <sub>7.5</sub> ) <sub>100-x</sub> RE <sub>x</sub> (x = 0.25, 0.25, RE: Y, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu) bulk metallic glasses. <i>Materials &amp; Design</i> , <b>2014</b> , 64, 301-306		23
110	Study on the dynamic recrystallization behavior of Ti-alloy Ti <sub>60</sub> Fe <sub>10</sub> V in processing via experiment and simulation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 619, 26-34	5.3	47
109	Effect of the initial microstructure on the deformation behavior of Ti60 titanium alloy at high temperature processing. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 617, 525-533	5.7	39
108	Influence of melt temperature on the Invar effect in (Fe <sub>71.2</sub> B <sub>24</sub> Y <sub>4.8</sub> ) <sub>96</sub> Nb <sub>4</sub> bulk metallic glass. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6900-6906	4.3	7
107	Analysis of size effect on flow-induced defect in micro-scaled forming process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 73, 1475-1484	3.2	18
106	A hybrid model for analysis of ductile fracture in micro-scaled plastic deformation of multiphase alloys. <i>International Journal of Plasticity</i> , <b>2014</b> , 61, 1-16	7.6	56

105	Hot deformation behavior and hot working characteristic of Nickel-base electron beam weldments. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 584, 494-502	5-7	29
104	Geometry and grain size effects on the forming limit of sheet metals in micro-scaled plastic deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 611, 345-353	5-3	57
103	Evaluation of thermoplastic formability of Zr-based bulk metallic glasses and its correlation with characteristic temperature parameters. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 602, 326-330	5-7	9
102	Prediction and analysis of ductile fracture in sheet metal forming Part I: A modified Ayada criterion. <i>International Journal of Damage Mechanics</i> , <b>2014</b> , 23, 1189-1210	3	16
101	The improved superelasticity of NiTi alloy via electropulsing treatment for minutes. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 584, 225-231	5-7	28
100	Hot deformation behavior of the 1.15C $\bar{A}$ .00Cr $\bar{B}$ .00V $\bar{B}$ .00W $\bar{B}$ .00Mo powder metallurgy high speed steel. <i>Materials &amp; Design</i> , <b>2014</b> , 54, 854-863		15
99	Analysis and avoidance of flow-induced defects in meso-forming process: simulation and experiment. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 68, 1551-1564	3-2	24
98	A review on the state-of-the-art microforming technologies. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 67, 2411-2437	3-2	160
97	A method for prediction of unstable deformation in hot forging process by simulation. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 3739-3747	3-3	4
96	The influence of size effect on the ductile fracture in micro-scaled plastic deformation. <i>International Journal of Plasticity</i> , <b>2013</b> , 41, 65-81	7-6	88
95	Thin-walled Ti41.5Zr2.5Hf5Cu42.5Ni7.5Si1 bulk metallic glass tubes: Promising energy absorbers and lightweight structures. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 546, 180-184	5-7	3
94	Adaptive reproducing kernel particle method using gradient indicator for elasto-plastic deformation. <i>Engineering Analysis With Boundary Elements</i> , <b>2013</b> , 37, 280-292	2-6	10
93	Structural-gradient-materials produced by gradient temperature heat treatment for dual-property turbine disc. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 557, 27-33	5-7	14
92	High temperature deformation behavior and optimization of hot compression process parameters in TC11 titanium alloy with coarse lamellar original microstructure. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 353-360	3-3	18
91	Microstructure evolution of copper strips with gradient temperature in electropulsing treatment. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 581, 160-165	5-7	18
90	Micro-scaled progressive forming of bulk micropart via directly using sheet metals. <i>Materials &amp; Design</i> , <b>2013</b> , 49, 774-783		36
89	Analysis and comparison of the instability regimes in the processing maps generated using different instability criteria for Ti $\bar{B}$ .5Al $\bar{B}$ .5Mo $\bar{A}$ .5Zr $\bar{D}$ .3Si alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 576, 259-266	5-3	13
88	Fabrication of bulk ultrafine grained titanium alloy via equal channel angular pressing based thermomechanical treatment. <i>Materials &amp; Design</i> , <b>2013</b> , 46, 889-894		22



87	Effect of electropulsing treatment on the microstructure and superelasticity of TiNi alloy. <i>Applied Physics A: Materials Science and Processing</i> , <b>2013</b> , 111, 1195-1201	2.6	16
86	Effect of electroplastic rolling on deformability and oxidation of NiTiNb shape memory alloy. <i>Journal of Materials Processing Technology</i> , <b>2013</b> , 213, 30-35	5.3	27
85	Experimental and simulation studies of micro blanking and deep drawing compound process using copper sheet. <i>Journal of Materials Processing Technology</i> , <b>2013</b> , 213, 101-110	5.3	77
84	Effect of electroplastic rolling on the ductility and superelasticity of TiNi shape memory alloy. <i>Materials &amp; Design</i> , <b>2013</b> , 44, 606-611		33
83	Meso-scaled progressive forming of bulk cylindrical and flanged parts using sheet metal. <i>Materials &amp; Design</i> , <b>2013</b> , 43, 249-257		33
82	Flow behavior and hot workability of FGH4096 superalloys with different initial microstructures by using advanced processing maps. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 531, 91-97	5.3	21
81	Experimental studies of the size effect affected microscale plastic deformation in micro upsetting process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 534, 374-383	5.3	49
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