

# Ghader Faraji

## 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.

131 papers	2,419 citations	27 h-index	43 g-index
134 ext. papers	2,877 ext. citations	3.1 avg, IF	5.66 L-index

#	Paper	IF	Citations
131	Nanomaterials by severe plastic deformation: review of historical developments and recent advances. <i>Materials Research Letters</i> , <b>2022</b> , 10, 163-256	7.4	26
130	Fabrication of functionally graded W Cu composite via variable speed induction sintering and subsequent infiltration. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2022</b> , 106, 105857	4.1	1
129	Processing and characterization of AZ91 magnesium alloys via a novel severe plastic deformation method: Hydrostatic cyclic extrusion compression (HCEC). <i>Transactions of Nonferrous Metals Society of China</i> , <b>2021</b> , 31, 1303-1321	3.3	1
128	Processing of commercially pure copper tubes by hydrostatic tube cyclic extrusion compression (HTCEC) as a new SPD method. <i>Archives of Civil and Mechanical Engineering</i> , <b>2021</b> , 21, 1	3.4	1
127	Microstructure and Mechanical Properties of AM60 Magnesium Alloy Processed by a New Severe Plastic Deformation Technique. <i>Metals and Materials International</i> , <b>2021</b> , 27, 2957-2967	2.4	3
126	Microstructural, Mechanical and Corrosion Properties of AZ91 Magnesium Alloy Processed by a Severe Plastic Deformation Method of Hydrostatic Cyclic Expansion Extrusion. <i>Metals and Materials International</i> , <b>2021</b> , 27, 2933-2946	2.4	4
125	Experimental and Modelling Study of Ultra-Fine Grained ZK60 Magnesium Alloy with Simultaneously Improved Strength and Ductility Processed by Parallel Tubular Channel Angular Pressing. <i>Metals and Materials International</i> , <b>2021</b> , 27, 277-297	2.4	6
124	Microstructure and Mechanical Properties of the Commercially Pure Copper Tube After Processing by Hydrostatic Tube Cyclic Expansion Extrusion (HTCEE). <i>Metals and Materials International</i> , <b>2021</b> , 27, 1686-1700	2.4	2
123	Mechanical properties and in vivo biodegradability of Mg <sub>70</sub> Zn <sub>10</sub> Nd <sub>10</sub> magnesium alloy produced by a combined severe plastic deformation. <i>Rare Metals</i> , <b>2021</b> , 40, 651-662	5.5	6
122	Properties inhomogeneity of AM60 magnesium alloy processed by cyclic extrusion compression angular pressing followed by extrusion. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2021</b> , 31, 655-665	3.3	2
121	Processing characterization of binary Mg-Zn alloys fabricated by a new powder consolidation combined severe plastic deformation method. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 832, 154922	5.7	6
120	Synergistic enhancement of photocatalytic antibacterial effects in high-strength aluminum/TiO <sub>2</sub> nanoarchitectures. <i>Ceramics International</i> , <b>2020</b> , 46, 24267-24280	5.1	7
119	Processing of AM60 magnesium alloy by hydrostatic cyclic expansion extrusion at elevated temperature as a new severe plastic deformation method. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2020</b> , 27, 669-677	3.1	9
118	Influences of the constrained groove pressing on microstructural, mechanical, and fracture properties of brass sheets. <i>Materials Research Express</i> , <b>2020</b> , 7, 116526	1.7	1
117	Processing and properties of ultrafine-grained Mg-3Al-1Zn magnesium alloy microtubes fabricated via isothermal hot microforming of SPD processed precursors. <i>International Journal of Materials Research</i> , <b>2020</b> , 111, 146-152	0.5	
116	Surface and Bulk Modification of Titanium Grade 2 Substrates for Enhanced Biological Activity. <i>Jom</i> , <b>2020</b> , 72, 721-729	2.1	2
115	Development of a new integrated severe plastic deformation method. <i>Materials Science and Technology</i> , <b>2020</b> , 36, 468-476	1.5	1

114	In-vivo study of ultrafine-grained CP-Ti dental implants surface modified by SLActive with excellent wettability. <i>International Journal of Adhesion and Adhesives</i> , <b>2020</b> , 102, 102684	3.4	7
113	Processing of long ultrafine-grained AM60 magnesium alloy tube by hydrostatic tube cyclic expansion extrusion (HTCEE) under high fluid pressure. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 111, 3535-3544	3.2	2
112	A New Modified Cyclic Extrusion Channel Angular Pressing (CECAP) Process for Producing Ultrafine-Grained Mg Alloy. <i>Transactions of the Indian Institute of Metals</i> , <b>2020</b> , 73, 2447-2456	1.2	0
111	Hydrostatic cyclic extrusion compression (HCEC) process; a new CEC counterpart for processing long ultrafine-grained metals. <i>Archives of Civil and Mechanical Engineering</i> , <b>2020</b> , 20, 1	3.4	3
110	Microstructure, mechanical properties and bio-corrosion properties of Mg-HA bionanocomposites fabricated by a novel severe plastic deformation process. <i>Ceramics International</i> , <b>2020</b> , 46, 2836-2844	5.1	7
109	Surface characterization of nanostructured commercially pure titanium modified by sandblasting and acid-etching for implant applications. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>2020</b> , 234, 414-423	1.4	5
108	A New Approach for Consolidation of Pure Magnesium Powder Using an Integrated Severe Plastic Deformation Route. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 5586-5594	1.6	0
107	An Overview on the Continuous Severe Plastic Deformation Methods. <i>Materials Transactions</i> , <b>2019</b> , 60, 1316-1330	1.3	16
106	Processing and Properties of Biodegradable Magnesium Microtubes for Using as Vascular Stents: A Brief Review. <i>Metals and Materials International</i> , <b>2019</b> , 25, 1341-1359	2.4	17
105	Manufacturing and mechanical characterization of Mg-4Y-2Nd-0.4Zr-0.25La magnesium microtubes by combined severe plastic deformation process for biodegradable vascular stents. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2019</b> , 233, 1196-1205	2.4	11
104	Deformation Behavior, Microstructure and Microhardness of Mg3Al1Zn Microtubes Processed by Isothermal Micro-Backward Extrusion. <i>Transactions of the Indian Institute of Metals</i> , <b>2019</b> , 72, 2851-2860	1.2	2
103	Hydrostatic tube cyclic expansion extrusion (HTCEE) as a new severe plastic deformation method for producing long nanostructured tubes. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 785, 163-168	5.7	14
102	Severe Plastic Deformation of Commercial Pure Titanium (CP-Ti) for Biomedical Applications: A Brief Review. <i>Jom</i> , <b>2019</b> , 71, 256-263	2.1	14
101	Enhanced Hot Tensile Ductility of Mg-3Al-1Zn Alloy Thin-Walled Tubes Processed Via a Combined Severe Plastic Deformation. <i>Journal of Materials Engineering and Performance</i> , <b>2018</b> , 27, 2330-2337	1.6	7
100	Hot tensile deformation behavior of Mg-Zn-Al magnesium alloy tubes processed by severe plastic deformation. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 742, 442-453	5.7	24
99	Hydrostatic cyclic expansion extrusion (HCEE) as a novel severe plastic deformation process for producing long nanostructured metals. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 718, 412-417	5.3	15
98	Microstructure and Mechanical Properties of CP-Titanium Processed by ECAP Followed by Warm Caliber Rolling. <i>Transactions of the Indian Institute of Metals</i> , <b>2018</b> , 71, 1083-1090	1.2	1
97	Fundamentals of Severe Plastic Deformation <b>2018</b> , 19-36		13

96	Severe Plastic Deformation Methods for Sheets <b>2018</b> , 113-129		7
95	Effective Parameters for the Success of Severe Plastic Deformation Methods <b>2018</b> , 187-222		2
94	Severe Plastic Deformation Methods for Tubular Samples <b>2018</b> , 131-164		2
93	Severe Plastic Deformation Methods for Bulk Samples <b>2018</b> , 37-112		7
92	Applications of Ultrafine-Grained and Nanograined Metals <b>2018</b> , 275-306		2
91	Microstructure and mechanical properties of Al/Cu/Mg laminated composite sheets produced by the ARB proces. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2018</b> , 25, 564-572	3.1	44
90	Severe Plastic Deformation for Industrial Applications <b>2018</b> , 165-186		3
89	Evaluation of Microstructure and Mechanical Properties of Multilayer Al5052Cu Composite Produced by Accumulative Roll Bonding. <i>Powder Metallurgy and Metal Ceramics</i> , <b>2018</b> , 57, 144-153	0.8	20
88	Interface sheet-constrained groove pressing as a modified severe plastic deformation process. <i>Materials Science and Technology</i> , <b>2018</b> , 34, 1669-1678	1.5	8
87	Investigation on thermal stresses in FGM hyperelastic thick-walled cylinders. <i>Journal of Thermal Stresses</i> , <b>2018</b> , 41, 204-221	2.2	7
86	Physical, Chemical, and Functional Properties of UFG and NS Metals <b>2018</b> , 259-274		
85	Mechanical Properties of Ultrafine-Grained and Nanostructured Metals <b>2018</b> , 223-257		2
84	Recrystallization and mechanical properties of WE43 magnesium alloy processed via cyclic expansion extrusion. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2018</b> , 25, 672-681	3.1	18
83	Hydrostatic radial forward tube extrusion as a new plastic deformation method for producing seamless tubes. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 88, 291-301	3.2	12
82	Surface modification of severe plastically deformed ultrafine grained pure titanium by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , <b>2017</b> , 316, 113-121	4.4	27
81	Properties and Mechanism of Al/St Bimetal Tube Bonding Produced by Cold Spin-Bonding (CSB) Process. <i>Transactions of the Indian Institute of Metals</i> , <b>2017</b> , 70, 2673-2682	1.2	1
80	A combined method for producing high strength and ductility magnesium microtubes for biodegradable vascular stents application. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 723, 467-476	5.7	37
79	Microstructure and hardness inhomogeneity of fine-grained AM60 magnesium alloy subjected to cyclic expansion extrusion (CEE). <i>Journal of Manufacturing Processes</i> , <b>2017</b> , 28, 197-208	5	42

78	Cyclic extrusion compression angular pressing (CECAP) as a novel severe plastic deformation method for producing bulk ultrafine grained metals. <i>Materials Letters</i> , <b>2017</b> , 197, 12-16	3.3	48
77	A Combined Analytical-Numerical Investigation on Photosensitive Hydrogel Micro-Valves. <i>International Journal of Applied Mechanics</i> , <b>2017</b> , 09, 1750103	2.4	16
76	Effect of nanofiller geometry on the energy absorption capability of coiled carbon nanotube composite material. <i>Composites Science and Technology</i> , <b>2017</b> , 153, 222-231	8.6	21
75	Microstructure and homogeneity of semi-solid 7075 aluminum tubes processed by parallel tubular channel angular pressing. <i>Metals and Materials International</i> , <b>2017</b> , 23, 1019-1028	2.4	11
74	Processing and characterization of nanostructured Grade 2 Ti processed by combination of warm isothermal ECAP and extrusion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 703, 551-558	5.3	27
73	An Enhanced Steady-State Constitutive Model for Semi-solid Forming of Al7075 Based on Cross Model. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2017</b> , 48, 4275-4285	2.3	5
72	Hot deformation behavior of Mg-Zn-Al alloy tube processed by severe plastic deformation. <i>Archives of Metallurgy and Materials</i> , <b>2017</b> , 62, 159-166		12
71	Microstructure and Mechanical Properties of Al Tube Processed by Friction Stir Tube Back Extrusion (FSTBE). <i>Transactions of the Indian Institute of Metals</i> , <b>2017</b> , 70, 1849-1856	1.2	11
70	Investigation of the property hull for solid oxide fuel cell microstructures. <i>Computational Materials Science</i> , <b>2017</b> , 127, 1-7	3.2	4
69	Fretting fatigue life investigation of AL7075-T6 alloy coated by multilayer thin solid films of TiCr/TiN/CrN and Ti/Cr/TiN/Cr/CrN/TiCrN. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>2017</b> , 231, 686-692	1.4	1
68	A new designed incremental high pressure torsion process for producing long nanostructured rod samples. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 1539-1546	5.7	18
67	Review of principles and methods of severe plastic deformation for producing ultrafine-grained tubes. <i>Materials Science and Technology</i> , <b>2017</b> , 33, 905-923	1.5	71
66	Evaluation of Hot Tensile Behavior of Fine-Grained Mg9Al1Zn Alloy Tube Processed by Severe Plastic Deformation. <i>Transactions of the Indian Institute of Metals</i> , <b>2017</b> , 70, 1369-1376	1.2	7
65	Microstructure and mechanical properties of fine-grained thin-walled AZ91 tubes processed by a novel combined SPD process. <i>Bulletin of Materials Science</i> , <b>2017</b> , 40, 1471-1479	1.7	9
64	Development of a novel bulk plastic deformation method: hydrostatic backward extrusion. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 82, 1823-1830	3.2	15
63	Nano-mechanical properties and microstructure of UFG brass tubes processed by parallel tubular channel angular pressing. <i>Metals and Materials International</i> , <b>2016</b> , 22, 1098-1107	2.4	19
62	Rubber pad tube straining as a new severe plastic deformation method for thin-walled cylindrical tubes. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2016</b> , 230, 1845-1854	2.4	9
61	Mathematical modeling and optimization of friction stir welding process parameters in AA5083 and AA7075 aluminum alloy joints. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2016</b> , 230, 1284-1294	2.4	24

60	Analytical and experimental investigations on the novel hydro ironing process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 2003-2017	3.2	1
59	Friction Study in Equal Channel Multi Angular Pressing: Load Curve and Ring Compression tests. <i>Transactions of the Indian Institute of Metals</i> , <b>2016</b> , 69, 1793-1800	1.2	8
58	Electron back-scattered diffraction and nanoindentation analysis of nanostructured Al tubes processed by multipass tubular-channel angular pressing. <i>Metals and Materials International</i> , <b>2016</b> , 22, 288-294	2.4	11
57	Cyclic Flaring and Sinking (CFS) as a New Severe Plastic Deformation Method for Thin-walled Cylindrical Tubes. <i>Transactions of the Indian Institute of Metals</i> , <b>2016</b> , 69, 1217-1222	1.2	14
56	Combined effects of ECAP and subsequent heating parameters on semi-solid microstructure of 7075 aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2016</b> , 26, 3091-3101	3.3	17
55	A Numerical and Experimental Study of Constrained Ironing Process as a Novel High Thickness Reduction Ironing Method. <i>Transactions of the Indian Institute of Metals</i> , <b>2016</b> , 69, 1843-1849	1.2	
54	Evaluation of mechanical and metallurgical properties of AZ91 seamless tubes produced by radial-forward extrusion method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 666, 176-183	5.3	19
53	Hot tensile deformation and fracture behavior of ultrafine-grained AZ31 magnesium alloy processed by severe plastic deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 674, 9-17	5.3	26
52	Microstructure and Mechanical Properties of Ultra-fine-Grained Al-Mg-Si Tubes Produced by Parallel Tubular Channel Angular Pressing Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 1805-1813	2.3	14
51	A methodology for determination of extended strain-based forming limit curve considering the effects of strain path and normal stress. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2015</b> , 229, 1537-1547	1.3	8
50	The Effects of the Multi-pass Parallel Tubular Channel Angular Pressing on the Microstructure and Mechanical Properties of the Cu <sub>3</sub> Zn Tubes. <i>Transactions of the Indian Institute of Metals</i> , <b>2015</b> , 68, 873-879	4.2	17
49	A Novel Ironing Process with Extra High Thickness Reduction: Constrained Ironing. <i>Materials and Manufacturing Processes</i> , <b>2015</b> , 30, 1324-1328	4.1	3
48	Evaluation of the microstructure and mechanical properties of the ultrafine grained thin-walled tubes processed by severe plastic deformation. <i>Metals and Materials International</i> , <b>2015</b> , 21, 1068-1073	2.4	15
47	Severe mechanical anisotropy of high-strength ultrafine grained Cu <sub>3</sub> Zn tubes processed by parallel tubular channel angular pressing (PTCAP). <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 625, 50-55	5.3	29
46	Evaluation of residual stress in ultrafine-grained aluminum tubes using shearography. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2015</b> , 229, 953-962	2.4	7
45	TiO <sub>2</sub> nanotube coating on stainless steel 304 for biomedical applications. <i>Ceramics International</i> , <b>2015</b> , 41, 2785-2793	5.1	30
44	Producing high strength aluminum alloy by combination of equal channel angular pressing and bake hardening. <i>Materials Letters</i> , <b>2015</b> , 140, 196-199	3.3	10
43	The stress intensity factors (SIFs) of cracked half-plane specimen in contact with semi-circular object. <i>Theoretical and Applied Fracture Mechanics</i> , <b>2015</b> , 75, 104-112	3.7	5



42	Applicability of a modified backward extrusion process on commercially pure aluminum. <i>Materials &amp; Design</i> , <b>2015</b> , 65, 521-528		25
41	Study on the deformation behavior of polyamide under the backward extrusion process. <i>Journal of Polymer Engineering</i> , <b>2015</b> , 35, 675-687	1.4	1
40	Deformation speed and temperature effects on magnesium AZ91 during tubular channel angular pressing. <i>Materials Science and Technology</i> , <b>2015</b> , 31, 1879-1885	1.5	6
39	A novel combined severe plastic deformation method for producing thin-walled ultrafine grained cylindrical tubes. <i>Materials Letters</i> , <b>2015</b> , 143, 167-171	3.3	31
38	Hydroironing: A Novel Ironing Method with a Higher Thickness Reduction. <i>Materials and Manufacturing Processes</i> , <b>2015</b> , 30, 99-103	4.1	5
37	Evaluation of the Mechanical Properties of AA 6063 Processed by Severe Plastic Deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 2172-2184	2.3	12
36	Ultrasonic assisted tubular channel angular pressing process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 599, 10-15	5.3	13
35	Development of a novel method for the backward extrusion. <i>Materials &amp; Design</i> , <b>2014</b> , 62, 361-366		32
34	Excellent energy absorption capacity of nanostructured Cu/Zn thin-walled tube. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 599, 141-144	5.3	11
33	Characterization of nanostructured pure aluminum tubes produced by tubular channel angular pressing (TCAP). <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 590, 289-294	5.3	34
32	Mechanical and Microstructural Properties of Ultra-fine Grained AZ91 Magnesium Alloy Tubes Processed via Multi Pass Tubular Channel Angular Pressing (TCAP). <i>Journal of Materials Science and Technology</i> , <b>2014</b> , 30, 134-138	9.1	57
31	A novel approach for preparation of aligned electrospun polyacrylonitrile nanofibers. <i>Chemical Physics Letters</i> , <b>2013</b> , 590, 231-234	2.5	10
30	TEM analysis and determination of dislocation densities in nanostructured copper tube produced via parallel tubular channel angular pressing process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 563, 193-198	5.3	36
29	Preform Shape Design in Tube Hydroforming Process Using Equi-Potential Line Method. <i>Materials and Manufacturing Processes</i> , <b>2013</b> , 28, 260-264	4.1	8
28	Characterization of ultra-fine grained aluminum produced by accumulative back extrusion (ABE). <i>Materials Characterization</i> , <b>2012</b> , 68, 14-21	3.9	25
27	Numerical and experimental investigation of the deformation behavior during the accumulative back extrusion of an AZ91 magnesium alloy. <i>Materials &amp; Design</i> , <b>2012</b> , 35, 251-258		43
26	Parallel tubular channel angular pressing (PTCAP) as a new severe plastic deformation method for cylindrical tubes. <i>Materials Letters</i> , <b>2012</b> , 77, 82-85	3.3	82
25	Mechanical properties and microstructural evolution during multi-pass ECAR of Al 1100 alloy. <i>Materials &amp; Design</i> , <b>2012</b> , 42, 388-394		36

24	Repetitive forging (RF) using inclined punches as a new bulk severe plastic deformation method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 558, 150-157	5.3	26
23	A numerical and experimental study on tubular channel angular pressing (TCAP) process. <i>Journal of Mechanical Science and Technology</i> , <b>2012</b> , 26, 3463-3468	1.6	13
22	Analysis of lateral extrusion of gear-like form parts. <i>Journal of Mechanical Science and Technology</i> , <b>2012</b> , 26, 3243-3252	1.6	5
21	An upper-bound analysis for frictionless TCAP process. <i>Archive of Applied Mechanics</i> , <b>2012</b> , 83, 483	2.2	1
20	Producing Ultrafine Grain Al6061 Alloy by Accumulative Back Extrusion Process. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 1220-1225	1.6	1
19	Deformation behavior in the tubular channel angular pressing (TCAP) as a noble SPD method for cylindrical tubes. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 107, 819-827	2.6	17
18	PRODUCING NANOCOMPOSITE LAYER ON THE SURFACE OF AS-CAST AZ91 MAGNESIUM ALLOY BY FRICTION STIR PROCESSING. <i>International Journal of Modern Physics Conference Series</i> , <b>2012</b> , 05, 375-382	0.7	2
17	Accumulative Torsion Back (ATB) Processing as a New Plastic Deformation Technique. <i>Materials and Manufacturing Processes</i> , <b>2012</b> , 27, 507-511	4.1	13
16	Microstructural Evolution of UFG Magnesium Alloy Produced by Accumulative Back Extrusion (ABE). <i>Materials and Manufacturing Processes</i> , <b>2012</b> , 27, 267-272	4.1	29
15	Deformation Behavior in Tubular Channel Angular Pressing (TCAP) Using Triangular and Semicircular Channels. <i>Materials Transactions</i> , <b>2012</b> , 53, 8-12	1.3	27
14	Microstructures and mechanical properties of Al <sub>2</sub> O <sub>3</sub> /AZ91 surface nanocomposite layer produced by friction stir processing. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2011</b> , 225, 1331-1345	2.4	17
13	Tubular channel angular pressing (TCAP) as a novel severe plastic deformation method for cylindrical tubes. <i>Materials Letters</i> , <b>2011</b> , 65, 3009-3012	3.3	124
12	Experimental Investigation of Magnesium-Base Nanocomposite Produced by Friction Stir Processing: Effects of Particle Types and Number of Friction Stir Processing Passes. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2011</b> , 42, 2820-2832	2.3	84
11	Effect of Process Parameters on Microstructure and Micro-hardness of AZ91/Al <sub>2</sub> O <sub>3</sub> Surface Composite Produced by FSP. <i>Journal of Materials Engineering and Performance</i> , <b>2011</b> , 20, 1583-1590	1.6	62
10	Characterization of AZ91/alumina nanocomposite produced by FSP. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 2431-2440	5.3	133
9	Microstructure inhomogeneity in ultra-fine grained bulk AZ91 produced by accumulative back extrusion (ABE). <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 4312-4317	5.3	62
8	Producing Ultrafine-Grained AZ91 from As-Cast AZ91 by FSP. <i>Materials and Manufacturing Processes</i> , <b>2010</b> , 25, 1219-1226	4.1	59
7	Application of the hydroforming strain- and stress-limit diagrams to predict necking in metal bellows forming process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 46, 551-561	3.2	31



6	Producing of AZ91/SiC composite by friction stir processing (FSP). <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 51, 247-260	3.2	157
5	Using the finite element method for achieving an extra high limiting drawing ratio (LDR) of 9 for cylindrical components. <i>CIRP Journal of Manufacturing Science and Technology</i> , <b>2010</b> , 3, 262-267	3.4	16
4	Experimental and finite element analysis of parameters in manufacturing of metal bellows. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2008</b> , 38, 641-648	3.2	26
3	Fabrication of Al/Mg Bimetallic Thin-Walled Ultrafine-Grained Tube by Severe Plastic Deformation. <i>Journal of Materials Engineering and Performance</i> ,1	1.6	0
2	Hydrostatic Tube Cyclic Extrusion Compression as a Novel Severe Plastic Deformation Method for Fabricating Long Nanostructured Tubes. <i>Metals and Materials International</i> ,1	2.4	1
1	Formability enhancement of ultrafine-grained pure copper sheets produced by accumulative roll bonding aided by electromagnetic forming. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	