

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.

139 papers	2,627 citations	29 h-index	43 g-index
144 ext. papers	3,120 ext. citations	4.1 avg, IF	5.5 L-index

#	Paper	IF	Citations
139	On the microstructure and high-temperature stability of nano-grained Zircaloy-4. <i>Scripta Materialia</i> , <b>2022</b> , 210, 114410	5.6	
138	Fabrication of hybrid nanocrystalline AlTi alloys by mechanical bonding through high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2022</b> , 833, 142549	5.3	3
137	Study on the Surface Modification of Nanostructured Ti Alloys and Coarse-Grained Ti Alloys. <i>Metals</i> , <b>2022</b> , 12, 948	2.3	0
136	Evidence for a phase transition in an AlCrFe <sub>2</sub> Ni <sub>2</sub> high entropy alloy processed by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 867, 159063	5.7	5
135	Using high-pressure torsion to fabricate an AlTi hybrid system with exceptional mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 799, 140114	5.3	7
134	Evaluating the paradox of strength and ductility in ultrafine-grained oxygen-free copper processed by ECAP at room temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 802, 140546	5.3	9
133	An examination of microstructural evolution in a PbSn eutectic alloy processed by high-pressure torsion and subsequent self-annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 802, 140653	5.3	3
132	A stored energy analysis of grains with shear texture orientations in Cu-Ni-Si and Fe-Ni alloys processed by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 864, 158142	5.7	2
131	On the irradiation tolerance of nano-grained NiMoCr alloy: 1 MeV He <sup>+</sup> irradiation experiment. <i>Journal of Nuclear Materials</i> , <b>2021</b> , 544, 152694	3.3	8
130	Effect of grain size and crystallographic structure on the corrosion and tribocorrosion behaviour of a CoCrMo biomedical grade alloy in simulated body fluid. <i>Wear</i> , <b>2021</b> , 478-479, 203884	3.5	3
129	A multiscale experimental analysis of mechanical properties and deformation behavior of sintered copperSilicon carbide composites enhanced by high-pressure torsion. <i>Archives of Civil and Mechanical Engineering</i> , <b>2021</b> , 21, 1	3.4	1
128	White etching structures in annealed 52100 bearing steel arising from high-pressure torsion tests. <i>Tribology International</i> , <b>2021</b> , 164, 107187	4.9	1
127	Microstructural and Hardness Evolution in a Duplex Stainless Steel Processed by High-Pressure Torsion. <i>Crystals</i> , <b>2020</b> , 10, 1138	2.3	2
126	Recrystallization in an Mg-Nd alloy processed by high-pressure torsion: a calorimetric analysis. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 3047-3054	5.5	1
125	The fabrication of high strength Zr/Nb nanocomposites using high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 790, 139693	5.3	5
124	An Investigation of Strain-Softening Phenomenon in Al0.1% Mg Alloy during High-Pressure Torsion Processing. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1901578	3.5	
123	An investigation by EXAFS of local atomic structure in an Mg-Nd alloy after processing by high-pressure torsion and ageing. <i>Materials Letters</i> , <b>2020</b> , 264, 127379	3.3	2

122	Characteristics of grain refinement in oxygen-free copper processed by equal-channel angular pressing and dynamic testing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 775, 138985	5.3	13
121	The Stability of Oxygen-Free Copper Processed by High-Pressure Torsion after Room Temperature Storage for 12 Months. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1901015	3.5	0
120	A Comparison of Warm and Combined Warm and Low-Temperature Processing Routes for the Equal-Channel Angular Pressing of Pure Titanium. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1900698	3.5	3
119	Microstructure and Microhardness Evolution in Pure Molybdenum Processed by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1901022	3.5	1
118	Superior strength of tri-layered Al <sub>70</sub> Ti <sub>30</sub> nano-composites processed by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 846, 156380	5.7	11
117	Effect of Cu on Amorphization of a TiNi Alloy during HPT and Shape Memory Effect after Post-Deformation Annealing. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1900387	3.5	3
116	Fabrication and characterization of nanostructured immiscible Cu <sub>3</sub> Al alloys processed by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 832, 155007	5.7	13
115	Effect of spark plasma sintering and high-pressure torsion on the microstructural and mechanical properties of a Cu <sub>3</sub> SiC composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2019</b> , 766, 138350	5.3	9
114	On the microstructure and mechanical properties of an Fe-10Ni-7Mn martensitic steel processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2019</b> , 749, 27-34	5.3	10
113	Effect of alloying elements on magnesium alloy damping capacities at room temperature. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2019</b> , 26, 760-765	3.1	6
112	An investigation of the thermal stability of an Mg Dy alloy after processing by high-pressure torsion. <i>Materials Characterization</i> , <b>2019</b> , 151, 519-529	3.9	12
111	Thermal Stability of an Mg <sub>90</sub> Al Alloy Processed by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1900801	3.5	9
110	Effect of Long-Term Storage on Microstructure and Microhardness Stability in OFHC Copper Processed by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1801300	3.5	8
109	Evaluating the textural and mechanical properties of an Mg-Dy alloy processed by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 778, 61-71	5.7	25
108	Processing of CP-Ti by high-pressure torsion and the effect of surface modification using a post-HPT laser treatment. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 784, 653-659	5.7	9
107	The fabrication of graphene-reinforced Al-based nanocomposites using high-pressure torsion. <i>Acta Materialia</i> , <b>2019</b> , 164, 499-511	8.4	72
106	Factors influencing superplasticity in the Ti-6Al-4V alloy processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 718, 198-206	5.3	20
105	An EBSD analysis of Fe-36%Ni alloy processed by HPT at ambient and a warm temperature. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 753, 46-53	5.7	13

104	Texture and microhardness of Mg-Rare Earth (Nd and Ce) alloys processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 724, 477-485	5.3	26
103	Features of Duplex Microstructural Evolution and Mechanical Behavior in the Titanium Alloy Processed by Equal-Channel Angular Pressing. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700813	3.5	10
102	Effect of heat treatments on the microstructures and tensile properties of an ultrafine-grained Al-Zn-Mg alloy processed by ECAP. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 749, 567-574	5.7	17
101	Effect of Different Initial Lamellar Plate Thicknesses on Grain Refinement and Superplastic Behaviour in HPT-Processed Ti-6Al-4V Alloy. <i>Defect and Diffusion Forum</i> , <b>2018</b> , 385, 182-188	0.7	
100	Shape memory characteristics of a nanocrystalline TiNi alloy processed by HPT followed by post-deformation annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 734, 445-452	5.3	11
99	Influence of Inhomogeneity on Mechanical Properties of Commercially Pure Titanium Processed by HPT. <i>Defect and Diffusion Forum</i> , <b>2018</b> , 385, 284-289	0.7	2
98	Mechanical properties of an Al-Zn-Mg alloy processed by ECAP and heat treatments. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 631-639	5.7	27
97	Effect of high-pressure torsion on microstructure, mechanical properties and corrosion resistance of cast pure Mg. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 16585-16597	4.3	26
96	Characterization of precipitates in an Al-Zn-Mg alloy processed by ECAP and subsequent annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 712, 146-156	5.3	23
95	Exceptionally high strength and good ductility in an ultrafine-grained 316L steel processed by severe plastic deformation and subsequent annealing. <i>Materials Letters</i> , <b>2018</b> , 214, 240-242	3.3	19
94	Enhanced grain refinement and microhardness by hybrid processing using hydrostatic extrusion and high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 712, 513-520	5.3	21
93	Annealing-Induced Hardening in Ultrafine-Grained NiMo Alloys. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1800184	3.5	12
92	Grain refinement and superplastic flow in a fully lamellar Ti-6Al-4V alloy processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 732, 398-405	5.3	19
91	Influence of grain size on the flow properties of an Al-Mg-Sc alloy over seven orders of magnitude of strain rate. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 685, 367-376	5.3	48
90	Effect of Mo addition on the microstructure and hardness of ultrafine-grained Ni alloys processed by a combination of cryorolling and high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 688, 92-100	5.3	21
89	Mechanical behavior and microstructure properties of titanium powder consolidated by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 688, 498-504	5.3	33
88	The Influence of Plastic Deformation on Lattice Defect Structure and Mechanical Properties of 316L Austenitic Stainless Steel. <i>Materials Science Forum</i> , <b>2017</b> , 885, 13-18	0.4	4
87	Investigation of Lattice Defects in a Plastically Deformed High-Entropy Alloy. <i>Materials Science Forum</i> , <b>2017</b> , 885, 74-79	0.4	3

86	Mechanical behavior and impact toughness of the ultrafine-grained Grade 5 Ti alloy processed by ECAP. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 696, 166-173	5.3	24
85	The sequence and kinetics of pre-precipitation in Mg-Nd alloys after HPT processing: A synchrotron and DSC study. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 719, 236-241	5.7	10
84	Evolution of the microstructure during annealing of ultrafine-grained Ni with different Mo contents. <i>Materials Characterization</i> , <b>2017</b> , 130, 56-63	3.9	10
83	Influence of grain boundary misorientations on the mechanical behavior of a near- $\beta$ -Ti-6Al-7Nb alloy processed by ECAP. <i>Materials Letters</i> , <b>2017</b> , 190, 256-259	3.3	13
82	Thermal stability and superplastic behaviour of an Al-Mg-Sc alloy processed by ECAP and HPT at different temperatures. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 194, 012013	0.4	6
81	Examining the Thermal Stability of an Al-Mg-Sc Alloy Processed by High-Pressure Torsion. <i>Materials Research</i> , <b>2017</b> , 20, 39-45	1.5	6
80	Comparisons of self-annealing behaviour of HPT-processed high purity Cu and a PbSn alloy. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 390-395	5.5	8
79	Thermal stability and mechanical properties of HPT-processed CP-Ti. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 194, 012012	0.4	6
78	An examination of the superplastic characteristics of AlMgSc alloys after processing. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 4541-4553	2.5	12
77	Examining the microhardness evolution and thermal stability of an AlMgSc alloy processed by high-pressure torsion at a high temperature. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 348-354	5.5	9
76	Stored energy in ultrafine-grained 316L stainless steel processed by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 339-347	5.5	21
75	Influence of Mo alloying on the thermal stability and hardness of ultrafine-grained Ni processed by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 361-368	5.5	5
74	Hardness evolution of AZ80 magnesium alloy processed by HPT at different temperatures. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 378-384	5.5	11
73	Characterization of a Mg95.5Zn1.5Y3 alloy both containing W phase and LPSO phase with or without heat treatment. <i>Journal of Magnesium and Alloys</i> , <b>2017</b> , 5, 217-224	8.8	23
72	Direct influence of recovery behaviour on mechanical properties in oxygen-free copper processed using different SPD techniques: HPT and ECAP. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 369-377	5.5	27
71	Controlling the high temperature mechanical behavior of Al alloys by precipitation and severe straining. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 679, 36-47	5.3	4
70	High temperature thermal stability of nanocrystalline 316L stainless steel processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 682, 323-331	5.3	22
69	Microstructural evolution and superplasticity in an MgCuZr alloy after processing by different SPD techniques. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 682, 577-585	5.3	36

68	Evolution of Microstructure, Phase Composition and Hardness in 316L Stainless Steel Processed by High-Pressure Torsion. <i>Materials Science Forum</i> , <b>2016</b> , 879, 502-507	0.4	4
67	Recovery or Non-Recovery in Al-0.1% Mg and Al-1% Mg Alloy during High-Pressure Torsion Processing. <i>Materials Science Forum</i> , <b>2016</b> , 879, 773-778	0.4	1
66	Influence of High-Pressure Torsion on the Microstructure and the Hardness of a Ti-Rich High-Entropy Alloy. <i>Materials Science Forum</i> , <b>2016</b> , 879, 732-737	0.4	1
65	Hardness Homogeneity in an AZ80 Magnesium Alloy Processed by High-Pressure Torsion. <i>Materials Science Forum</i> , <b>2016</b> , 879, 139-144	0.4	0
64	Effect of applied pressure on microstructure development and homogeneity in an aluminium alloy processed by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 688, 736-745	5.7	15
63	High-Cycle Fatigue Behavior of an Ultrafine-Grained Ti <sub>6</sub> Al <sub>4</sub> V Alloy Processed by ECAP and Extrusion. <i>Advanced Engineering Materials</i> , <b>2016</b> , 18, 2057-2062	3.5	30
62	Mechanical properties and microstructural evolution of nanocrystalline titanium at elevated temperatures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 669, 358-366	5.3	14
61	Microtextural Changes and Superplasticity in an Al-7075 Alloy Processed by High-Pressure Torsion. <i>Materials Science Forum</i> , <b>2016</b> , 838-839, 445-450	0.4	4
60	Microstructure, phase composition and hardness evolution in 316L stainless steel processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 657, 215-223	5.3	51
59	The significance of self-annealing at room temperature in high purity copper processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 656, 55-66	5.3	54
58	Achieving superior grain refinement and mechanical properties in vanadium through high-pressure torsion and subsequent short-term annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 655, 60-69	5.3	21
57	Superplasticity of a nano-grained Mg <sub>92</sub> Zn <sub>8</sub> alloy processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 651, 786-794	5.3	68
56	Experimental and Simulation Studies of Strength and Fracture Behaviors of Wind Turbine Bearing Steel Processed by High Pressure Torsion. <i>Energies</i> , <b>2016</b> , 9, 1033	3.1	3
55	Investigating Anvil Alignment and Anvil Roughness on Flow Pattern Development in High-Pressure Torsion. <i>Materials Research Society Symposia Proceedings</i> , <b>2016</b> , 1818, 1		
54	Influence of Initial Heat Treatment on the Microhardness Evolution of an Al-Mg-Sc Alloy Processed by High-Pressure Torsion. <i>Materials Science Forum</i> , <b>2016</b> , 879, 1471-1476	0.4	3
53	Synchrotron X-ray microbeam diffraction measurements of full elastic long range internal strain and stress tensors in commercial-purity aluminum processed by multiple passes of equal-channel angular pressing. <i>Acta Materialia</i> , <b>2016</b> , 112, 231-241	8.4	15
52	The effect of grain size on the annealing-induced phase transformation in an Al <sub>0.5</sub> CoCrFeNi high entropy alloy. <i>Materials and Design</i> , <b>2016</b> , 105, 381-385	8.1	51
51	Evolution of microstructure and hardness in an AZ80 magnesium alloy processed by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2016</b> , 5, 152-158	5.5	30



50	Self-annealing in a two-phase Pb-Sn alloy after processing by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 666, 350-359	5.3	16
49	A comparison of repetitive corrugation and straightening and high-pressure torsion using an Al-Mg-Sc alloy. <i>Journal of Materials Research and Technology</i> , <b>2016</b> , 5, 353-359	5.5	18
48	Microstructure, Texture, and Superplasticity of a Fine-Grained Mg-Gd-Zr Alloy Processed by Equal-Channel Angular Pressing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 6056-6069	2.3	30
47	Hardening of an Al <sub>0.3</sub> CoCrFeNi high entropy alloy via high-pressure torsion and thermal annealing. <i>Materials Letters</i> , <b>2015</b> , 151, 126-129	3.3	106
46	Shape memory effect in nanocrystalline NiTi alloy processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 626, 203-206	5.3	34
45	Enhancement in mechanical properties of a Titanium alloy by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2015</b> , 4, 79-83	5.5	25
44	Developing ultrafine-grained materials with high strength and good ductility for micro-forming applications. <i>MATEC Web of Conferences</i> , <b>2015</b> , 21, 07002	0.3	1
43	A critical examination of pure tantalum processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 638, 174-182	5.3	41
42	Influence of phase volume fraction on the grain refining of a Ti-6Al-4V alloy by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2015</b> , 4, 2-7	5.5	20
41	Structural impact on the Hall-Petch relationship in an Al-Mg alloy processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 626, 9-15	5.3	60
40	Grain refining of a Ti-6Al-4V alloy by high-pressure torsion and low temperature superplasticity. <i>Letters on Materials</i> , <b>2015</b> , 5, 281-286	0.9	11
39	Examining the mechanical properties and superplastic behaviour in an Al-Mg-Sc alloy after processing by HPT. <i>Letters on Materials</i> , <b>2015</b> , 5, 294-300	0.9	7
38	Evolution of microstructure and hardness in NiTi shape memory alloys processed by high-pressure torsion. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2998-3009	4.3	29
37	Effect of anvil roughness on the flow patterns and hardness development in high-pressure torsion. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6517-6528	4.3	9
36	An evaluation of the shearing patterns introduced by different anvil alignments in high-pressure torsion. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 3146-3157	4.3	17
35	Effect of short-term annealing on the microstructures and flow properties of an Al-1% Mg alloy processed by high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 615, 231-239	5.3	60
34	Modeling the temperature rise in high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 593, 185-188	5.3	58
33	Interpretation of hardness evolution in metals processed by high-pressure torsion. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6586-6596	4.3	54

32	Microstructures and mechanical properties of pure tantalum processed by high-pressure torsion. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2014</b> , 63, 012100	0.4	6
31	The significance of self-annealing in two-phase alloys processed by high-pressure torsion. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2014</b> , 63, 012126	0.4	8
30	An overview of flow patterns development on disc lower surfaces when processing by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2014</b> , 3, 303-310	5.5	6
29	X-ray microbeam measurements of long-range internal stresses in commercial-purity aluminum processed by multiple passes of equal-channel angular pressing. <i>Scripta Materialia</i> , <b>2014</b> , 93, 48-51	5.6	7
28	Fatigue Life and Failure Characteristics of an Ultrafine-Grained Ti <sub>6</sub> Al <sub>4</sub> V Alloy Processed by ECAP and Extrusion. <i>Advanced Engineering Materials</i> , <b>2014</b> , 16, 1038-1043	3.5	25
27	Factors Influencing the Shearing Patterns in High-Pressure Torsion. <i>Materials Science Forum</i> , <b>2014</b> , 783-786, 45-50	0.4	1
26	Processing of commercial purity titanium by ECAP using a 90 degrees die at room temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 607, 482-489	5.3	42
25	Twinning via the motion of incoherent twin boundaries nucleated at grain boundaries in a nanocrystalline Cu alloy. <i>Scripta Materialia</i> , <b>2014</b> , 72-73, 35-38	5.6	24
24	Inhomogeneous softening during annealing of ultrafine-grained silver processed by HPT. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 7384-7391	4.3	5
23	Microstructural evolution in two-phase alloys processed by high-pressure torsion. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 4582-4591	4.3	41
22	Structural and hardness inhomogeneities in Mg <sub>2</sub> Al <sub>3</sub> Zn alloys processed by high-pressure torsion. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 4661-4670	4.3	32
21	Using X-ray microbeam diffraction to study the long-range internal stresses in aluminum processed by ECAP. <i>Acta Materialia</i> , <b>2013</b> , 61, 7741-7748	8.4	13
20	Using an Al <sub>2</sub> Cu binary alloy to compare processing by multi-axial compression and high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 588, 280-287	5.3	23
19	An investigation of flow patterns and hardness distributions using different anvil alignments in high-pressure torsion. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 4533-4542	4.3	28
18	Advances in ultrafine-grained materials. <i>Materials Today</i> , <b>2013</b> , 16, 85-93	21.8	108
17	Influence of annealing on ductility of ultrafine-grained titanium processed by equal-channel angular pressing $\pm$ conform and drawing. <i>MRS Communications</i> , <b>2013</b> , 3, 249-253	2.7	32
16	Influence of Anvil Alignment on Shearing Patterns in High-Pressure Torsion. <i>Advanced Engineering Materials</i> , <b>2013</b> , 15, 747-755	3.5	32
15	Processing of an Aluminum-6061 Metal Matrix Composite by Equal-Channel Angular Pressing <b>2013</b> , 173-182		



14	Microstructure and texture evolution in a magnesium alloy during processing by high-pressure torsion. <i>Materials Research</i> , <b>2013</b> , 16, 577-585	1.5	28
13	Effect of temperature on the processing of a magnesium alloy by high-pressure torsion. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 7796-7806	4.3	31
12	Evolution of Strength and Homogeneity in a Magnesium AZ31 Alloy Processed by High-Pressure Torsion at Different Temperatures. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, 1018-1026	3.5	65
11	Using Atomic Force Microscopy to Examine Flow Processes in Materials Processed by ECAP. <i>Materials Science Forum</i> , <b>2010</b> , 667-669, 773-778	0.4	
10	The evolution of delta-phase in a superplastic Inconel 718 alloy. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 421-427	4.3	67
9	A quantitative study of cavity development in the tensile testing of an aluminum metal matrix composite processed by equal-channel angular pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 410-411, 402-407	5.3	29
8	Cavitation and failure in a fine-grained Inconel 718 alloy having potential superplastic properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 410-411, 130-133	5.3	16
7	Microstructure development and superplasticity in Inconel 718 sheet. <i>Materials Science and Technology</i> , <b>2003</b> , 19, 461-466	1.5	7
6	The creep behavior of discontinuously reinforced metal-matrix composites. <i>Jom</i> , <b>2003</b> , 55, 15-20	2.1	23
5	Using atomic force microscopy to evaluate the development of mesoscopic shear planes in materials processed by severe plastic deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2003</b> , 358, 114-121	5.3	38
4	Characterization of deformation processes in a Zn-22% Al alloy using atomic force microscopy. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 4993-4998	4.3	34
3	Prediction of mechanical properties of superplastic Inconel* 718 using artificial neural networks. <i>Materials Science and Technology</i> , <b>2002</b> , 18, 1104-1108	1.5	15
2	Superplastic behaviour of Inconel 718 sheet. <i>Materials Science and Technology</i> , <b>2000</b> , 16, 1309-1313	1.5	14
1	Achieving Superplasticity in Fine-Grained Al-Mg-Sc Alloys. <i>Materials Science Forum</i> , 1016, 11-17	0.4	