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List of Publications by Year
in descending order

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194 papers	6,887 citations	61945 43 h-index	71651 76 g-index
194 all docs	194 docs citations	194 times ranked	3570 citing authors

#	Article	IF	Citations
1	Influence of texture and grain size on work hardening and ductility in magnesium-based alloys processed by ECAP and rolling. Acta Materialia, 2006, 54, 4247-4259.	3.8	594
2	Corrosion behaviour of AZ31 magnesium alloy with different grain sizes in simulated biological fluidsâ˜†. Acta Biomaterialia, 2010, 6, 1763-1771.	4.1	415
3	Texture evolution during large-strain hot rolling of the Mg AZ61 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 355, 68-78.	2.6	267
4	Grain refinement of Mgâ€“Alâ€“Zn alloys via accumulative roll bonding. Scripta Materialia, 2004, 51, 1093-1097.	2.6	253
5	Microstructural evolution during large strain hot rolling of an AM60 Mg alloy. Scripta Materialia, 2004, 50, 661-665.	2.6	194
6	Texture evolution during annealing of magnesium AZ31 alloy. Scripta Materialia, 2002, 46, 149-155.	2.6	171
7	Texture, microstructure and mechanical properties of equiaxed ultrafine-grained Zr fabricated by accumulative roll bonding. Acta Materialia, 2008, 56, 1228-1242.	3.8	136
8	Achieving high strength in commercial Mg cast alloys through large strain rolling. Materials Letters, 2005, 59, 3299-3303.	1.3	130
9	Bulk nanocrystalline Ï‰-Zr by high-pressure torsion. Scripta Materialia, 2008, 58, 219-222.	2.6	125
10	Influence of texture on dynamic recrystallization and deformation mechanisms in rolled or ECAPed AZ31 magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 487, 473-480.	2.6	117
11	Corrosion inhibition of powder metallurgy Mg by fluoride treatmentsâ˜†. Acta Biomaterialia, 2010, 6, 1772-1782.	4.1	116
12	Superplastic behavior of a fine-grained two-phase Mg-9wt.%Li alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 125, 195-202.	2.6	112
13	Accumulative roll bonding of a Mg-based AZ61 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 410-411, 353-357.	2.6	106
14	Deformation of fine-grained alumina by grain boundary sliding accommodated by slip. Acta Materialia, 2003, 51, 3617-3634.	3.8	105
15	Texture analysis of the transition from slip to grain boundary sliding in a discontinuously recrystallized superplastic aluminum alloy. Acta Materialia, 2001, 49, 2259-2268.	3.8	99
16	Separate contributions of texture and grain size on the creep mechanisms in a fine-grained magnesium alloy. Acta Materialia, 2007, 55, 455-466.	3.8	98
17	Texture evolution during grain growth in annealed MG AZ61 alloy. Scripta Materialia, 2003, 48, 59-64.	2.6	90
18	Harper-dorn creep in pure metals. Acta Metallurgica, 1988, 36, 1117-1128.	2.1	88

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19	The influence of pipe diffusion on the creep of fine-grained materials. Materials Science and Engineering, 1981, 51, 9-16.	0.1	86
20	Denuded zones, diffusional creep, and grain boundary sliding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 219-229.	1.1	85
21	Effect of sheet thickness on the microstructural evolution of an Mg AZ61 alloy during large strain hot rolling. Scripta Materialia, 2004, 50, 667-671.	2.6	83
22	Delamination effect on the impact toughness of an ultrahigh carbonâ€“mild steel laminate composite. Composites Science and Technology, 2006, 66, 2671-2676.	3.8	82
23	Comparison of the microstructure and thermal stability of an AZ31 alloy processed by ECAP and large strain hot rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 410-411, 308-311.	2.6	81
24	Microstructure and fracture properties of an ultrahigh carbon steelâ€“mild steel laminated composite. Scripta Materialia, 2003, 48, 1135-1140.	2.6	76
25	Particle and grain growth in an Alâ€“Si alloy during high-pressure torsion. Scripta Materialia, 2007, 57, 763-765.	2.6	73
26	Mechanical properties at room temperature of an Alâ€“Znâ€“Mgâ€“Cu alloy processed by equal channel angular pressing. Journal of Alloys and Compounds, 2011, 509, 8649-8656.	2.8	71
27	Influence of the thermal treatment on the deformation-induced precipitation of a hypoeutectic Alâ€“7 wt% Si casting alloy deformed by high-pressure torsion. Journal of Alloys and Compounds, 2011, 509, 636-643.	2.8	67
28	Mechanical properties of ultra-fine grained AZ91 magnesium alloy processed by friction stir processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 198-206.	2.6	65
29	Microstructure and high temperature mechanical properties of tin. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 194, 17-23.	2.6	64
30	Low stress creep of fine-grained materials at intermediate temperatures: Diffusional creep or grain boundary sliding?. Materials Science and Engineering, 1982, 56, 167-175.	0.1	63
31	Effect of the deformation path on the ductility of a hypoeutectic Alâ€“Si casting alloy subjected to equal-channel angular pressing by routes A, BA, BC and C. Scripta Materialia, 2008, 58, 138-141.	2.6	61
32	Influence of the grain size on the strain rate sensitivity in an Mgâ€“Alâ€“Zn alloy at moderate temperatures. Scripta Materialia, 2006, 55, 775-778.	2.6	59
33	Deformation mechanisms in an austenitic stainless steel (25Cr-20Ni) at elevated temperature. Journal of Materials Science, 1985, 20, 3735-3744.	1.7	58
34	An evidence of high strain rate superplasticity at intermediate homologous temperatures in an Alâ€“Znâ€“Mgâ€“Cu alloy processed by high-pressure torsion. Journal of Alloys and Compounds, 2009, 473, 163-166.	2.8	51
35	Harper-Dorn and power law creep in uranium dioxide. Acta Metallurgica Et Materialia, 1991, 39, 661-668.	1.9	50
36	High strain rate superplasticity at intermediate temperatures of the Al 7075 alloy severely processed by equal channel angular pressing. Journal of Alloys and Compounds, 2011, 509, 9589-9597.	2.8	48

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37	Study of hot deformation of an Alâ€“Cuâ€“Mg alloy using processing maps and microstructural characterization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 530-539.	2.6	48
38	Optimization of the microstructure for improving superplastic forming in magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 467, 165-171.	2.6	47
39	Structural characterization of rapidly solidified white cast iron powders. Journal of Materials Science, 1983, 18, 483-492.	1.7	46
40	Influence of the thermomechanical processing on the fracture mechanisms of high strength aluminium/pure aluminium multilayer laminate materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 490, 319-327.	2.6	46
41	The use of foil metallurgy processing to achieve ultrafine grained Mg-9 Li laminates and Mg-9Li-5B4C particulate composites. Journal of Materials Science, 1990, 25, 4535-4540.	1.7	45
42	Evidence for Nabarro-Herring creep in metals: fiction or reality?. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 165, 133-141.	2.6	45
43	Effect of annealing treatments on the anisotropy of a magnesium alloy sheet processed by severe rolling. Materials Letters, 2009, 63, 1551-1554.	1.3	45
44	Influence of interfacial defects on the impact toughness of solid state diffusion bonded Tiâ€“6 Alâ€“4 V alloy based multilayer composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 563, 28-35.	2.6	44
45	Influence of the alumina thickness at the interfaces on the fracture mechanisms of aluminium multilayer composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 496, 133-142.	2.6	41
46	Impact toughness improvement of high-strength aluminium alloy by intrinsic and extrinsic fracture mechanisms via hot roll bonding. Scripta Materialia, 2009, 61, 407-410.	2.6	41
47	Lowering the temperature for high strain rate superplasticity in an Alâ€“Mgâ€“Znâ€“Cu alloy via cooled friction stir processing. Materials Chemistry and Physics, 2013, 142, 182-185.	2.0	41
48	Refutation of the relationship between denuded zones and diffusional creep. Scripta Metallurgica Et Materialia, 1993, 29, 515-520.	1.0	40
49	Analysis of adiabatic heating and its influence on the Garofalo equation parameters of a high nitrogen steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 517, 191-196.	2.6	40
50	Superplastic behavior of a fine-grained Mgâ€“9Li material at low homologous temperature. Journal of Materials Research, 1992, 7, 2131-2135.	1.2	39
51	Origin of the reversed yield asymmetry in Mg-rare earth alloys at high temperature. Acta Materialia, 2015, 92, 265-277.	3.8	39
52	Toughness dependence on the microstructural parameters for an ultrahigh carbon steel (1.3 wt.% C). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 335, 175-185.	2.6	38
53	Microstructural development during equal channel angular pressing of hypo-eutectic Alâ€“Si casting alloy by different processing routes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 485, 160-175.	2.6	38
54	Damage tolerance assessment by bend and shear tests of two multilayer composites: Glass fibre reinforced metal laminate and aluminium roll-bonded laminate. Composites Science and Technology, 2009, 69, 343-348.	3.8	38

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55	Interface Effects on the Fracture Mechanism of a High-Toughness Aluminum-Composite Laminate. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 69-79.	1.1	37
56	Influence of the Processing Temperature on the Microstructure, Texture, and Hardness of the 7075 Aluminum Alloy Fabricated by Accumulative Roll Bonding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 758-767.	1.1	37
57	Influence of the supersaturated silicon solid solution concentration on the effectiveness of severe plastic deformation processing in Alâ€“7wt.% Si casting alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7938-7947.	2.6	37
58	Effect of testing temperature and strain rate on the transformation behaviour of retained austenite in low-alloyed multiphase steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 508, 195-199.	2.6	36
59	High temperature deformation and microstructural instability in AZ31 magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 570, 135-148.	2.6	35
60	Superplasticity in Rapidly Solidified White Cast Irons. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1982, 13, 1785-1792.	1.4	34
61	Superplastic behavior of iron carbide. Scripta Metallurgica, 1989, 23, 1515-1520.	1.2	34
62	Characterization of a Î´Îł duplex stainless steel. Journal of Materials Science, 2000, 35, 907-915.	1.7	34
63	Mechanical properties of Ultrahigh Boron Steels. Advanced Materials, 1995, 7, 130-136.	11.1	32
64	Enhanced grain refinement due to deformation-induced precipitation during ambient-temperature severe plastic deformation of an Alâ€“7%Si alloy. Journal of Alloys and Compounds, 2009, 478, 139-143.	2.8	31
65	Evolution of the microstructure, texture and creep properties of the 7075 aluminium alloy during hot accumulative roll bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 606, 434-442.	2.6	31
66	Grain Refinement in a Mg AZ91 Alloy via Large Strain Hot Rolling. Materials Transactions, 2003, 44, 2625-2630.	0.4	30
67	Effect of warm accumulative roll bonding on the evolution of microstructure, texture and creep properties in the 7075 aluminium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 287-294.	2.6	30
68	On the threshold stress for superplasticity in Mgâ€“Alâ€“Zn alloys. Scripta Materialia, 2007, 57, 829-832.	2.6	29
69	Effect of Hot Rolling on Bonding Characteristics and Impact Behavior of a Laminated Composite Material Based on UHCS-1.35ÂPct C. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 666-671.	1.1	29
70	Influence of Constituent Materials on the Impact Toughness and Fracture Mechanisms of Hot-Roll-Bonded Aluminum Multilayer Laminates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 61-72.	1.1	29
71	Achieving microstructures prone to superplastic deformation in an Alâ€“Znâ€“Mgâ€“Cu alloy by equal channel angular pressing. Journal of Alloys and Compounds, 2013, 546, 253-259.	2.8	29
72	Severe friction stir processing of an Al-Zn-Mg-Cu alloy: Misorientation and its influence on superplasticity. Materials and Design, 2018, 137, 128-139.	3.3	29

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73	High strain rate torsional behavior of an ultrahigh carbon steel (1.8 Pct C-1.6 Pct Al) at elevated temperature. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 1913-1920.	1.1	28
74	Microstructure and creep behaviour of an Osprey processed and extruded Alâ€“Cuâ€“Mgâ€“Tiâ€“Ag alloy. Journal of Alloys and Compounds, 2007, 433, 97-107.	2.8	28
75	Strain path and microstructure evolution during severe deformation processing of an as-cast hypoeutectic Alâ€“Si alloy. Journal of Materials Science, 2010, 45, 4613-4620.	1.7	28
76	Superplastic properties of a Î´Îł stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 307, 134-142.	2.6	27
77	New numerical method for the fit of Garofalo equation and its application for predicting hot workability of a (Vâ€“N) microalloyed steel. Materials Science and Technology, 2009, 25, 995-1002.	0.8	27
78	Harrer-Dorn and power law creep in Fe3wt%Si. Scripta Metallurgica, 1988, 22, 1907-1910.	1.2	25
79	Microstructural characterization of an ultrahigh carbon and boron tool steel processed by different routes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 206, 194-200.	2.6	25
80	The fabrication of bulk ultrafine-grained zirconium by accumulative roll bonding. Jom, 2007, 59, 42-45.	0.9	25
81	A New Constitutive Strain-Dependent Garofalo Equation to Describe the High-Temperature Processing of Materialsâ€”Application to the AZ31 Magnesium Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 2396-2407.	1.1	25
82	Enhanced densification of white cast iron powders by cyclic phase transformations under stress. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1982, 13, 355-361.	1.4	23
83	Development of ultrafine microstructures and superplasticity in Hadfield manganese steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 150, 187-194.	2.6	23
84	Creep behavior of Feâ€“C alloys at high temperatures and high strain rates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 317, 101-107.	2.6	23
85	Superplasticity in a magnesium alloy prepared with bimodal grain size distributions developed by dynamic recrystallisation. Materials Letters, 2008, 62, 3391-3394.	1.3	23
86	Influence of Processing Severity During Equal-Channel Angular Pressing on the Microstructure of an Al-Zn-Mg-Cu Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 4224-4236.	1.1	23
87	Processing and superplastic properties of fine-grained iron carbide. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 527-535.	1.4	22
88	Texture analysis of the transition from slip to grain boundary sliding in a continuously recrystallized superplastic aluminum alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 342, 216-230.	2.6	22
89	Rebuttal to â€œIn defense of diffusional creepâ€• Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 211, 66-71.	2.6	21
90	Solute-diffusion-controlled dislocation creep in pure aluminium containing 0.026â€‰at.%â€‰Fe. Philosophical Magazine, 2004, 84, 2417-2434.	0.7	21

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91	Development of ferrous laminated composites with unique microstructures by control of carbon diffusion. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1986, 17, 1517-1521.	1.4	19
92	Influence of interfaces on the mechanical properties of ultrahigh carbon steel multilayer laminates. International Journal of Materials Research, 2007, 98, 47-52.	0.1	19
93	Symbiosis between grain boundary sliding and slip creep to obtain high-strain-rate superplasticity in aluminum alloys. Journal of the European Ceramic Society, 2007, 27, 3385-3390.	2.8	18
94	On the applicability of diffusional flow to the creep of polycrystalline materials at low stresses and intermediate temperatures. Materials Science and Engineering, 1984, 64, 61-66.	0.1	17
95	Texture gradient evolution in Al-5%Ca-5%Zn sheet alloy after tensile deformation at high superplastic strain rate. Scripta Materialia, 1996, 35, 1455-1460.	2.6	17
96	High temperature deformation behavior of an Alî—¸Feî—¸Vî—¸Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 164, 216-219.	2.6	16
97	Rate-controlling processes in creep of subgrain containing aluminum materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 410-411, 8-11.	2.6	16
98	Influence of microstructural stability on the creep mechanism of Alâ€“7wt% Si alloy processed by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 612, 162-171.	2.6	16
99	Analysis of Garofalo equation parameters for an ultrahigh carbon steel. Journal of Materials Science, 2010, 45, 5522-5527.	1.7	15
100	High temperature workability behaviour of a modified P92 steel. International Journal of Materials Research, 2011, 102, 1378-1383.	0.1	15
101	Low stress creep of Î±-Zr at intermediate temperatures. Materials Science and Engineering, 1986, 84, L1-L6.	0.1	14
102	Harper-Dorn and Power-Law Creep in Single-Crystalline Magnesium Oxide. Journal of the American Ceramic Society, 1992, 75, 1737-1741.	1.9	14
103	Characterization of rapidly solidified ultrahigh boron steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 159, 103-109.	2.6	14
104	Microstructure and high-temperature mechanical behavior of the NiAlâ€“27 at.% Cr intermetallic composite. Acta Materialia, 1999, 47, 3655-3662.	3.8	14
105	Superplastic behaviour of two extruded gamma TiAl(Mo,Si) materials. Intermetallics, 2005, 13, 749-755.	1.8	14
106	Severe plastic deformation of an as-cast hypoeutectic Alâ€“Si alloy. Journal of Materials Science, 2008, 43, 7501-7506.	1.7	14
107	Fracture toughness for interfacial delamination of Crâ€“Mo steel multilayer laminate. Materials Science and Technology, 2009, 25, 632-635.	0.8	14
108	The strain rate as a factor influencing the hot forming simulation of medium carbon microalloyed steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 216, 155-160.	2.6	13

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109	Superplasticity of a friction stir processed overaged WE54 magnesium alloy. Journal of Magnesium and Alloys, 2022, 10, 3156-3166.	5.5	13
110	Harper-dorn creep in class I solid solution alloys. Scripta Metallurgica Et Materialia, 1990, 24, 903-906.	1.0	12
111	The effect of microstructure on the creep behavior of the Tiâ€“46Alâ€“1Moâ€“0.2Si alloy. Intermetallics, 2005, 13, 1021-1029.	1.8	12
112	Assessment of homogeneity of the shear-strain pattern in Alâ€“7wt%Si casting alloy processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 597, 102-110.	2.6	12
113	Harper-dorn creep in single crystalline NaCl. Scripta Metallurgica Et Materialia, 1991, 25, 2065-2070.	1.0	11
114	Microstructural and mechanical characterisation of composite materials consisting of M3/2 high speed steel reinforced with niobium carbides. Powder Metallurgy, 2005, 48, 371-376.	0.9	11
115	Influence of the thermal treatment on the microstructure and hardness evolution of 7075 aluminium layers in a hot-rolled multilayer laminate composite. Journal of Alloys and Compounds, 2009, 478, 154-162.	2.8	11
116	Microstructural characterization by electron backscatter diffraction of a hot worked Alâ€“Cuâ€“Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3161-3168.	2.6	11
117	Mechanical properties of two ultrahigh carbon-boron tool steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 202, 94-102.	2.6	10
118	Superplastic behavior of a kappa carbide material (Fe₃AlC_x). Journal of Materials Research, 1997, 12, 2317-2324.	1.2	10
119	Innovative Ultrahigh Carbon Steel Laminates with Outstanding Mechanical Properties. Materials Science Forum, 2003, 426-432, 883-888.	0.3	10
120	Influence of data conversion methods from torsion tests on the Garofalo equation parameters for a high nitrogen steel. International Journal of Materials Research, 2010, 101, 787-793.	0.1	10
121	Effect of Processing Temperature on the Texture and Shear Mechanical Properties of Diffusion Bonded Ti-6Al-4V Multilayer Laminates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4743-4753.	1.1	10
122	A New Stability Criterion for the Hot Deformation Behavior of Materials: Application to the AZ31 Magnesium Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3445-3460.	1.1	10
123	Texture changes during the tensile deformation of a fine grained aluminium alloy. Scripta Metallurgica, 1985, 19, 27-31.	1.2	9
124	Grain shape and microstructural evolution during equal channel angular pressing. Scripta Materialia, 2008, 58, 17-20.	2.6	9
125	Effect of thermal treatment on the interfacial shear toughness of an aluminium composite laminate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2579-2587.	2.6	9
126	Role of particles on microstructure and mechanical properties of the severely processed 7075 aluminium alloy. Journal of Materials Science, 2014, 49, 833-841.	1.7	9

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127	Characterization of a thermomechanically processed powder metallurgy Alâ€“5wt.% Mgâ€“1.2wt.% Cr alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 361, 36-44.	2.6	8
128	Superplastic Behavior of a Fine Grained AZ61 Alloy Processed by Large Strain Hot Rolling. Materials Science Forum, 2004, 447-448, 221-226.	0.3	8
129	Deformation behavior of an Alâ€“Cuâ€“Mgâ€“Ti alloy obtained by spray forming and extrusion. Materials Letters, 2006, 60, 3232-3237.	1.3	8
130	On solid solution hardening in Hf-O and Hf-N alloys. Journal of the Less Common Metals, 1977, 52, 153-162.	0.9	7
131	Superplastic behaviour of Al-5wt.%Ca-5wt.%Zn alloy. Materials Science and Engineering, 1987, 93, L11-L15.	0.1	7
132	High-temperature deformation behavior of an Al-8.4Fe-3.6Ce dispersion-strengthened material. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 371-376.	1.1	7
133	Influence of grain size fluctuations on ductility of superplastic magnesium alloys processed by severe plastic deformation. Materials Science and Technology, 2008, 24, 1238-1244.	0.8	7
134	Friction Stir Processing of the Magnesium Alloy AZ61: Grain Size Refinement and Mechanical Properties. Materials Science Forum, 0, 706-709, 1823-1828.	0.3	7
135	Fracture of Al-4% Cu-0.1% Fe single crystals. Journal of Materials Science, 1989, 24, 2594-2602.	1.7	6
136	Superplastic behaviour of a ceramic-based kappa/alpha Fe-10Al-1.9C material. Journal of Materials Science, 1994, 29, 6581-6586.	1.7	6
137	Superplastic behavior of two ultrahigh boron steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1994, 25, 1241-1248.	1.1	6
138	Threshold stresses in high temperature deformation of dispersion strengthened aluminum alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 214, 177-180.	2.6	6
139	The effect of heterogeneous deformation on the hot deformation of WE54 magnesium alloy. Materials & Design, 2014, 58, 30-35.	5.1	6
140	Influence of Grain Coarsening on the Creep Parameters During the Superplastic Deformation of a Severely Friction Stir Processed Al-Zn-Mg-Cu Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3980-3984.	1.1	6
141	Mechanical Property - Microstructure Relations in Iron-Carbon Alloys from 1.0 to 5.2% Carbon. Materials Science Forum, 2003, 426-432, 11-18.	0.3	5
142	Deformation behaviour of an Al-6%Cu-0.4%Zr superplastic alloy containing a gradient of texture. Journal of Alloys and Compounds, 2005, 403, 176-185.	2.8	5
143	The fracture toughness of a ultrahigh carbon steel containing 1.5 wt% C. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 817-828.	1.7	5
144	Texture evolution during deformation of an Al-6%Cu-0.4%Zr superplastic alloy. Journal of Materials Science, 2006, 41, 5576-5586.	1.7	5

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145	Fine and Ultra-Fine Grained AZ61 and AZ91 Magnesium Alloys Obtained by Friction Stir Processing. Materials Science Forum, 0, 706-709, 1002-1007.	0.3	5
146	Mechanical behavior and lattice reorientation during tensile deformation of Al-4%Cu-0.1%Fe single crystals. Acta Metallurgica Et Materialia, 1991, 39, 2393-2403.	1.9	4
147	Microstructural studies of a roll-bonded laminated ultrahigh carbon steel bar. Materials Characterization, 1991, 27, 141-145.	1.9	4
148	Forming stability of an Alâ€“Tiâ€“Mo intermetallic compound and its dependence on microstructure. Journal of Materials Processing Technology, 2003, 143-144, 416-419.	3.1	4
149	Influence of thermomechanical processing on superplastic forming of Mgâ€“Al alloys. Materials Science and Technology, 2007, 23, 444-450.	0.8	4
150	Superplasticity of Aerospace 7075 (Al-Zn-Mg-Cu) Aluminium Alloy Obtained by Severe Plastic Deformation. Defect and Diffusion Forum, 0, 385, 39-44.	0.4	4
151	El mÃ©todo de Newton para la optimizaciÃ³n de una nueva ecuaciÃ³n constitutiva para la fluencia plÃ¡stica dependiente de la deformaciÃ³n. AplicaciÃ³n a las aleaciones de magnesio AZ80 y AZ61. Revista De Metalurgia, 2013, 49, 378-396.	0.1	4
152	Creep behavior of an oxide dispersion strengthened Ni3Al ordered intermetallic material. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 278, 272-277.	2.6	3
153	Critical Analysis of Threshold Stresses in the Creep Mechanisms of a Powder Metallurgy Magnesium Alloy AZ31. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2344-2358.	1.1	3
154	High Temperature Mechanical Behavior of a 30%Ni-19%Cr Steel. ISIJ International, 2003, 43, 2062-2066.	0.6	3
155	Hot forming behavior of a modified Niâ€“Cr superalloy. International Journal of Materials Research, 2020, 111, 968-975.	0.1	3
156	Influencia de la microestructura de partida en la ecuaciÃ³n constitutiva para la fluencia de un acero. Revista De Metalurgia, 2009, 45, 70-75.	0.1	3
157	Relationship between microstructure and texture in Fe-25%Cr-5%Al ribbons produced by planar flow casting. Scripta Metallurgica Et Materialia, 1995, 33, 1027-1031.	1.0	2
158	Deformation Mechanisms of Superplastic Al–Li 8090 Alloy Examined by X-Ray Texture Measurements. Materials Transactions, JIM, 2000, 41, 1562-1568.	0.9	2
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