

# László Toth

## List of Publications by Year in descending order

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187  
papers

7,697  
citations

57758

44  
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62596

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189  
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189  
docs citations

189  
times ranked

3312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic energy-based analytical approach to predict the mechanical response of two-phase materials with application to dual-phase steels. <i>European Journal of Mechanics, A/Solids</i> , 2022, 91, 104414.	3.7	1
2	Nanomaterials by severe plastic deformation: review of historical developments and recent advances. <i>Materials Research Letters</i> , 2022, 10, 163-256.	8.7	215
3	Modeling of axial strain in free-end torsion of textured copper. <i>International Journal of Materials Research</i> , 2022, 96, 1038-1043.	0.3	0
4	3D simulation of texture evolution induced grain coarsening in FCC polycrystals during severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1121, 012045.	0.6	1
5	Microstructure, Texture and Mechanical Properties in Aluminum Produced by Friction-Assisted Lateral Extrusion. <i>Materials</i> , 2021, 14, 2465.	2.9	9
6	A new macroscopic strain hardening function based on microscale crystal plasticity and its application in polycrystal modeling. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 823, 141634.	5.6	7
7	Modeling of Crystallographic Texture in Plastic Flow Machining. <i>Advanced Engineering Materials</i> , 2020, 22, 1900661.	3.5	9
8	Unlocking Deformation Path in Asymmetric Rolling by Texture Simulation. <i>Materials</i> , 2020, 13, 101.	2.9	9
9	Effect of strain path change on texture and microstructure evolution in asymmetric rolled extra-low carbon steel. <i>Materials Characterization</i> , 2020, 169, 110578.	4.4	14
10	Strain hardening, twinning and texture evolution in magnesium alloy using the all twin variant polycrystal modelling approach. <i>International Journal of Plasticity</i> , 2020, 128, 102660.	8.8	42
11	Polycrystal Simulation of Texture-Induced Grain Coarsening during Severe Plastic Deformation. <i>Materials</i> , 2020, 13, 5834.	2.9	1
12	High Pressure Tube Twisting for Producing Ultra Fine Grained Materials: A Review. <i>Materials Transactions</i> , 2019, 60, 1177-1191.	1.2	23
13	Tailoring One-Pass Asymmetric Rolling of Extra Low Carbon Steel for Shear Texture and Recrystallization. <i>Materials</i> , 2019, 12, 1935.	2.9	10
14	The mechanics of High Pressure Compressive Shearing with application to ARMCO® steel. <i>Materials Characterization</i> , 2019, 154, 127-137.	4.4	11
15	An analytical model to predict strain-hardening behaviour and twin volume fraction in a profoundly twinning magnesium alloy. <i>International Journal of Plasticity</i> , 2019, 119, 273-290.	8.8	33
16	Materials knowledge system for nonlinear composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 180-196.	6.6	34
17	The plastic flow machining: A new SPD process for producing metal sheets with gradient structures. <i>Materials Characterization</i> , 2018, 138, 208-214.	4.4	24
18	Improving Mechanical Properties of cp Titanium by Heat Treatment Optimization. <i>Advanced Engineering Materials</i> , 2018, 20, 1700237.	3.5	8

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19	Role of Grain Boundary Sliding in Texture Evolution for Nanoplasticity. <i>Advanced Engineering Materials</i> , 2018, 20, 1700212.	3.5	14
20	Combined Effects of Texture and Grain Size Distribution on the Tensile Behavior of $\hat{\alpha}$ -Titanium. <i>Materials</i> , 2018, 11, 1088.	2.9	13
21	Application of chord length distributions and principal component analysis for quantification and representation of diverse polycrystalline microstructures. <i>Materials Characterization</i> , 2018, 145, 671-685.	4.4	40
22	Crystal Plasticity Modeling of Anisotropic Hardening and Texture Due to Dislocation Transmutation in Twinning. <i>Materials</i> , 2018, 11, 1855.	2.9	7
23	The New Plastic Flow Machining Process for Producing Thin Sheets. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.8	10
24	Effect of Strain Heterogeneities on Microstructure, Texture, Hardness, and H-Activation of High-Pressure Torsion Mg Consolidated from Different Powders. <i>Materials</i> , 2018, 11, 1335.	2.9	17
25	Effects of Processing Conditions on Texture and Microstructure Evolution in Extra-Low Carbon Steel during Multi-Pass Asymmetric Rolling. <i>Materials</i> , 2018, 11, 1327.	2.9	10
26	Mechanical Modelling of the Plastic Flow Machining Process. <i>Materials</i> , 2018, 11, 1218.	2.9	14
27	Revealing Grain Boundary Sliding from Textures of a Deformed Nanocrystalline Pd–Au Alloy. <i>Materials</i> , 2018, 11, 190.	2.9	9
28	Modeling the Effect of Primary and Secondary Twinning on Texture Evolution during Severe Plastic Deformation of a Twinning-Induced Plasticity Steel. <i>Materials</i> , 2018, 11, 863.	2.9	9
29	Analysis of heterogeneities in strain and microstructure in aluminum alloy and magnesium processed by high-pressure torsion. <i>Materials Characterization</i> , 2017, 123, 159-165.	4.4	22
30	Twist Extrusion as a Potent Tool for Obtaining Advanced Engineering Materials: A Review. <i>Advanced Engineering Materials</i> , 2017, 19, 1600873.	3.5	64
31	Effect of initial powder type on the hydrogen storage properties of high-pressure torsion consolidated Mg. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22438-22448.	7.1	33
32	On-axis versus off-axis Transmission Kikuchi Diffraction technique: application to the characterisation of severe plastic deformation-induced ultrafine-grained microstructures. <i>Journal of Microscopy</i> , 2017, 267, 70-80.	1.8	23
33	Gradient Structures in Thin-Walled Metallic Tubes Produced by Continuous High Pressure Tube Shearing Process. <i>Advanced Engineering Materials</i> , 2017, 19, 1700345.	3.5	12
34	Dislocation mediated variant selection for secondary twinning in compression of pure titanium. <i>Acta Materialia</i> , 2017, 124, 59-70.	7.9	75
35	Modeling strain and density distributions during high-pressure torsion of pre-compacted powder materials. <i>Materials Research Letters</i> , 2017, 5, 179-186.	8.7	18
36	The self-similarity theory of high pressure torsion. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1267-1277.	2.8	30

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37	Tensile Yield Strength of a Material Preprocessed by Simple Shear. Journal of Engineering Materials and Technology, Transactions of the ASME, 2016, 138, .	1.4	9
38	Shear-Coupled Grain Growth and Texture Development in a Nanocrystalline Ni-Fe Alloy during Cold Rolling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 6632-6644.	2.2	16
39	Geometrically necessary dislocations favor the Taylor uniform deformation mode in ultra-fine-grained polycrystals. Acta Materialia, 2016, 117, 35-42.	7.9	74
40	Deformation Field Analysis in Equal Channel Angular Extrusion of Metals Using Asymmetric Flow Function. Advanced Engineering Materials, 2015, 17, 1760-1772.	3.5	4
41	Gradient Structure in High Pressure Torsion Compacted Iron Powder. Advanced Engineering Materials, 2015, 17, 1748-1753.	3.5	16
42	Some Physical Characteristics of Strain Hardening in Severe Plastic Deformation. Advanced Engineering Materials, 2015, 17, 1783-1791.	3.5	12
43	A microstructure based analytical model for tensile twinning in a rod textured Mg alloy. International Journal of Plasticity, 2015, 72, 151-167.	8.8	19
44	Microstructure, texture and mechanical properties of cyclic expansionâ€“extrusion deformed pure copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 423-432.	5.6	54
45	Grain size dependent texture evolution in severely rolled pure copper. Materials Characterization, 2015, 101, 180-188.	4.4	36
46	Microstructure and strain in protrusions formed during severe plastic deformation of aluminum. Materials Letters, 2015, 159, 253-256.	2.6	12
47	Thermal Response on the Microstructure and Texture of ECAP and Cold-Rolled Pure Magnesium. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2598-2613.	2.2	29
48	Nano-enabled orientation alignment via extreme shear strains. Scripta Materialia, 2015, 98, 52-55.	5.2	5
49	Microstructure and mechanical properties of Al-3Fe alloy processed by equal channel angular extrusion. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012079.	0.6	5
50	Microstructure and mechanical properties of continuous equal channel angular pressed Titanium. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012067.	0.6	1
51	Asymmetric Rolling of Interstitial-Free Steel Using Differential Roll Diameters. Part II: Microstructure and Annealing Effects. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 447-454.	2.2	15
52	A new method to determine plastic deformation at the grain scale. Materials Characterization, 2014, 92, 106-117.	4.4	8
53	Ultrafine-grain metals by severe plastic deformation. Materials Characterization, 2014, 92, 1-14.	4.4	206
54	The equivalent strain in high pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 530-535.	5.6	31

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55	Extension of the Derby relation to metals severely deformed to their steady-state ultrafine-grain size. Scripta Materialia, 2014, 72-73, 59-62.	5.2	36
56	Unexpected brass-type texture in rolling of ultrafine-grained copper. Scripta Materialia, 2014, 92, 51-54.	5.2	43
57	Development of new routes of severe plastic deformation through cyclic expansion–extrusion process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 613, 357-364.	5.6	34
58	Effects of varying twist and twist rate sensitivities on the interpretation of torsion testing data. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 591, 9-17.	5.6	16
59	Twinning effects in a polycrystalline magnesium alloy under cyclic deformation. Acta Materialia, 2014, 62, 212-224.	7.9	46
60	Texture induced grain coarsening in severe plastic deformed low carbon steel. Scripta Materialia, 2014, 86, 36-39.	5.2	10
61	Contribution of shear deformation to grain refinement and densification of iron powder consolidated by high pressure torsion. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012032.	0.6	8
62	Asymmetric Rolling of Interstitial-Free Steel Using Differential Roll Diameters. Part I: Mechanical Properties and Deformation Textures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4346-4359.	2.2	30
63	Dry friction of steel under high pressure in quasi-static conditions. Tribology International, 2013, 67, 27-35.	5.9	13
64	Notes on representing grain size distributions obtained by electron backscatter diffraction. Materials Characterization, 2013, 84, 67-71.	4.4	35
65	Modeling of disorientation axis distribution in severely deformed copper. Scripta Materialia, 2013, 69, 183-186.	5.2	12
66	New experimental insight into the mechanisms of nanoplasticity. Acta Materialia, 2013, 61, 7271-7284.	7.9	72
67	Evolution of texture and microstructure during hot torsion of a magnesium alloy. Acta Materialia, 2013, 61, 5263-5277.	7.9	107
68	Room temperature equal-channel angular pressing of a magnesium alloy. Acta Materialia, 2013, 61, 3027-3036.	7.9	52
69	Equal channel angular pressing processing routes and associated structure modification: a differential scanning calorimetry and X-ray line profile analysis. Powder Diffraction, 2012, 27, 194-199.	0.2	5
70	Ideal elasto-plastic behavior in torsional deformation of Zr <sub>44</sub> Ti <sub>11</sub> Cu <sub>10</sub> Ni <sub>10</sub> Be <sub>25</sub> bulk metallic glass. Journal of Alloys and Compounds, 2012, 542, 85-89.	5.5	13
71	Microstructure, texture and mechanical properties of aluminum processed by high-pressure tube twisting. Acta Materialia, 2012, 60, 4393-4408.	7.9	89
72	Polycrystal modeling of tensile twinning in a Mg alloy during cyclic loading. Scripta Materialia, 2012, 67, 673-676.	5.2	14

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73	Influence of severe plastic deformation on the precipitation hardening of a FeSiTi steel. Journal of Materials Science, 2012, 47, 7939-7945.	3.7	16
74	Modeling of large strain hardening during grain refinement. Scripta Materialia, 2012, 66, 250-253.	5.2	23
75	Stress and strain gradients in high-pressure tube twisting. Scripta Materialia, 2012, 66, 773-776.	5.2	24
76	Texture development and grain refinement in non-equal-channel angular-pressed Al. Scripta Materialia, 2012, 67, 33-36.	5.2	17
77	Analysis of texture and R value variations in asymmetric rolling of IF steel. Journal of Materials Processing Technology, 2012, 212, 509-515.	6.3	46
78	Asymmetric Rolling of Interstitial-Free Steel Using One Idle Roll. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 1328-1340.	2.2	32
79	Effect of strain path on grain refinement in severely plastically deformed copper. Scripta Materialia, 2011, 64, 284-287.	5.2	26
80	Effect of strain reversal on texture and grain refinement in route C equal channel angular pressed copper. Scripta Materialia, 2011, 65, 167-170.	5.2	19
81	The origin of strain reversal texture in equal channel angular pressing. Acta Materialia, 2011, 59, 5749-5757.	7.9	18
82	On Homogeneous Nucleation of Dislocation Loops in Nanocrystalline Materials. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3883-3888.	2.2	2
83	Texture evolution in commercially pure titanium after warm equal channel angular extrusion. Acta Materialia, 2011, 59, 1121-1133.	7.9	104
84	Texture evolution and grain refinement of ultrafine-grained copper during micro-extrusion. Philosophical Magazine, 2011, 91, 263-280.	1.6	10
85	Local texture and microstructure in cube-oriented nickel single crystal deformed by equal channel angular extrusion. Philosophical Magazine, 2011, 91, 281-299.	1.6	13
86	Severe plastic deformation processes for thin samples. Journal of Materials Science, 2010, 45, 4554-4560.	3.7	34
87	Texture evolution during micro-drawing of ultrafine grained copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4633-4640.	5.6	8
88	A model of grain fragmentation based on lattice curvature. Acta Materialia, 2010, 58, 1782-1794.	7.9	201
89	Effect of grain refinement by severe plastic deformation on the next-neighbor misorientation distribution. Acta Materialia, 2010, 58, 6706-6716.	7.9	66
90	Structure and Mechanical Properties of Asymmetrically Rolled IF Steel Sheet. Materials Science Forum, 2010, 654-656, 1255-1258.	0.3	9

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91	Grain Fragmentation in Equal Channel Angular Pressed Copper. Materials Science Forum, 2010, 654-656, 1570-1573.	0.3	3
92	Principles of Nonequal Channel Angular Pressing. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	1.4	24
93	Texture and Mechanical Behavior of Magnesium During Free-End Torsion. Journal of Engineering Materials and Technology, Transactions of the ASME, 2009, 131, .	1.4	41
94	A comparison of continuous SPD processes for improving the mechanical properties of aluminum alloy 6111. Journal of Materials Research, 2009, 24, 459-469.	2.6	24
95	Severe plastic deformation of metals by high-pressure tube twisting. Scripta Materialia, 2009, 60, 175-177.	5.2	159
96	A fan-type flow-line model in equal channel angular extrusion. Scripta Materialia, 2009, 61, 24-27.	5.2	15
97	Non-equal channel angular pressing of aluminum alloy. Scripta Materialia, 2009, 61, 1121-1124.	5.2	39
98	Analysis of microstructure and texture evolution in pure magnesium during symmetric and asymmetric rolling. Acta Materialia, 2009, 57, 5061-5077.	7.9	123
99	Spatial correlation in grain misorientation distribution. Acta Materialia, 2009, 57, 5382-5395.	7.9	37
100	Evolution of texture during equal channel angular extrusion of commercially pure aluminum: Experiments and simulations. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 520, 134-146.	5.6	44
101	Effective strain rate sensitivity of two phase materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 524, 186-192.	5.6	13
102	Texture evolution in equal-channel angular extrusion. Progress in Materials Science, 2009, 54, 427-510.	32.8	433
103	Strain localisation patterns under equal-channel angular pressing. Journal of the Mechanics and Physics of Solids, 2009, 57, 122-136.	4.8	55
104	Contribution of non-octahedral slip to texture evolution of fcc polycrystals in simple shear. Acta Materialia, 2009, 57, 2440-2453.	7.9	50
105	Simulation of Persistence Characteristics of Textures During Plastic Deformation. , 2009, , 225-246.		2
106	A New Flow Function to Model Texture Evolution in Symmetric and Asymmetric Rolling. , 2009, , 415-420.		3
107	Analysis of texture evolution in magnesium during equal channel angular extrusion. Acta Materialia, 2008, 56, 200-214.	7.9	157
108	Texture after ECAP of a cube-oriented Ni single crystal. Acta Materialia, 2008, 56, 3439-3449.	7.9	42

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109	Deformation field variations in equal channel angular extrusion due to back pressure. Scripta Materialia, 2008, 58, 771-774.	5.2	43
110	Comments on the paper "Influences of crystallographic orientations on deformation mechanism and grain refinement of Al single crystals subjected to one-pass equal-channel angular pressing". Scripta Materialia, 2008, 59, 381-384.	5.2	6
111	On microstructure and texture heterogeneities in single crystals deformed by equal channel angular extrusion. Scripta Materialia, 2008, 59, 1087-1090.	5.2	22
112	Influence of Dynamic Recrystallisation on Texture Formation in ECAP deformed Nickel. Materials Science Forum, 2007, 558-559, 575-580.	0.3	12
113	Role of twinning on texture evolution of silver during equal channel angular extrusion. Philosophical Magazine, 2007, 87, 885-906.	1.6	73
114	Recrystallization of high-purity aluminium during equal channel angular pressing. Acta Materialia, 2007, 55, 2211-2218.	7.9	90
115	Microstructure and texture gradient in copper deformed by equal channel angular pressing. Acta Materialia, 2007, 55, 2013-2024.	7.9	100
116	Ideal orientations and persistence characteristics of hexagonal close packed crystals in simple shear. Acta Materialia, 2007, 55, 2695-2705.	7.9	156
117	Role of strain-rate sensitivity in the crystal plasticity of hexagonal structures. International Journal of Plasticity, 2007, 23, 227-243.	8.8	24
118	Modelling of the Evolution of Dislocation Cell Misorientation under Severe Plastic Deformation. Materials Science Forum, 2006, 503-504, 675-680.	0.3	34
119	A new design for equal channel angular extrusion. Journal of Materials Processing Technology, 2006, 173, 29-33.	6.3	65
120	Evolution of crystallographic texture during equal channel angular extrusion of copper: The role of material variables. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 739-753.	2.2	55
121	Modeling of deformation and texture development of copper in a 120° ECAE die. Scripta Materialia, 2006, 54, 1667-1672.	5.2	24
122	Texture Formation during ECAP of Aluminum Alloy AA 5109. Materials Science Forum, 2006, 503-504, 99-106.	0.3	23
123	Heterogeneity of Deformation in Pure Ni Single Crystal of Cube Orientation Deformed by Equal Channel Angular Extrusion. Materials Science Forum, 2005, 495-497, 833-838.	0.3	8
124	Oblique Cube Texture Formation in High Purity Aluminum during Equal Channel Angular Pressing. Solid State Phenomena, 2005, 105, 351-356.	0.3	11
125	Texture Evolution in Commercially Pure Al during Equal Channel Angular Extrusion (ECAE) as a Function of Processing Routes. Solid State Phenomena, 2005, 105, 357-362.	0.3	18
126	Texture Gradient in ECAP Silver Measured by Synchrotron Radiation. Materials Science Forum, 2005, 495-497, 821-826.	0.3	15



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127	Pure Ni Single Crystal of Cube Orientation Deformed by Equal Channel Angular Extrusion. Solid State Phenomena, 2005, 105, 333-338.	0.3	7
128	Modeling of Length Changes and Textures during Free End Torsion of Cylindrical Bars. Materials Science Forum, 2005, 495-497, 1609-1614.	0.3	4
129	Experiments and Modelling of ECAE Textures of f.c.c. Polycrystals. Materials Science Forum, 2005, 495-497, 839-844.	0.3	19
130	Texture Gradient in ECAP Copper Measured by Synchrotron Radiation. Solid State Phenomena, 2005, 105, 327-332.	0.3	15
131	Simulation of Texture Development of Plane Carbon Steel in Multipass Rolling Using Analytical Flow Function. Materials Science Forum, 2005, 495-497, 1603-1608.	0.3	5
132	Modeling of axial strain in free-end torsion of textured copper. International Journal of Materials Research, 2005, 96, 1038-1043.	0.8	6
133	Texture Evolution in FCC Metals during Equal Channel Angular Extrusion (ECAE) as a Function of Stacking Fault Energy. Solid State Phenomena, 2005, 105, 345-350.	0.3	14
134	Modelling of strain hardening and microstructural evolution in equal channel angular extrusion. Computational Materials Science, 2005, 32, 568-576.	3.0	42
135	A Recrystallisation Based Investigation for Efficiency of Processing Routes during Equal Channel Angular Extrusion. Materials Science Forum, 2004, 467-470, 1325-1332.	0.3	13
136	Validation of the tangent formulation for the solution of the non-linear Eshelby inclusion problem. International Journal of Plasticity, 2004, 20, 291-307.	8.8	36
137	Analysis of texture evolution in equal channel angular extrusion of copper using a new flow field. Acta Materialia, 2004, 52, 1885-1898.	7.9	179
138	Simulation of Texture Evolution in Equal Channel Angular Extrusion of Copper Using a New Flow Field. Solid Mechanics and Its Applications, 2004, , 191-198.	0.2	0
139	Evolution of crystallographic texture during equal channel angular extrusion of silver. Scripta Materialia, 2003, 49, 1203-1208.	5.2	69
140	Texture Evolution in Severe Plastic Deformation by Equal Channel Angular Extrusion. Advanced Engineering Materials, 2003, 5, 308-316.	3.5	67
141	Plastic instability and Lüders bands in the tensile test: the role of crystal orientation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 358, 17-25.	5.6	5
142	Strain Hardening at Large Strains as Predicted by Dislocation Based Polycrystal Plasticity Model. Journal of Engineering Materials and Technology, Transactions of the ASME, 2002, 124, 71-77.	1.4	186
143	Cyclic plasticity phenomena as predicted by polycrystal plasticity. Mechanics of Materials, 2000, 32, 99-113.	3.2	36
144	Self-consistent polycrystal modelling of dynamic recrystallization during the shear deformation of a Ti IF steel. Acta Materialia, 1999, 47, 447-460.	7.9	22

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145	Large-strain hardening curves corrected for texture development. Modelling and Simulation in Materials Science and Engineering, 1999, 7, 875-891.	2.0	14
146	A dislocation-based model for all hardening stages in large strain deformation. Acta Materialia, 1998, 46, 5509-5522.	7.9	573
147	Texture and Hardness in Wire Drawn [001] Copper Single Crystals. Textures and Microstructures, 1998, 31, 1-19.	0.2	1
148	Biaxial low cycle fatigue under non-proportional loading of a magnesium-lithium alloy. Engineering Fracture Mechanics, 1996, 54, 513-522.	4.3	18
149	Forming limit predictions with the perturbation method using stress potential functions of polycrystal viscoplasticity. International Journal of Mechanical Sciences, 1996, 38, 805-824.	6.7	39
150	On the role of texture development in the forming limits of sheet metals. International Journal of Mechanical Sciences, 1996, 38, 1117-1126.	6.7	55
151	Elastic-plastic effects during cyclic loading as predicted by the Taylor-Lin model of polycrystal elasto-viscoplasticity. International Journal of Plasticity, 1996, 12, 343-360.	8.8	26
152	Modelling of Texture Development and Deformation Mechanisms in a Ti20V Alloy Using a Self Consistent Polycrystal Approach. Textures and Microstructures, 1995, 25, 45-61.	0.2	15
153	A Modified Self Consistent Viscoplastic Model Based on Finite Element Results. Materials Science Forum, 1994, 157-162, 1869-1874.	0.3	1
154	Modelling the Effects of Static and Dynamic Recrystallization on Texture Development. Materials Science Forum, 1994, 157-162, 1713-1730.	0.3	6
155	Prediction of Forming Limits of Titanium Sheets Using the Perturbation Analysis with Texture Development. Materials Science Forum, 1994, 157-162, 1875-1880.	0.3	2
156	Self consistent modelling of the creep behavior of mixtures of camphor and octachloropropane. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 175, 231-236.	5.6	11
157	Tuning a self consistent viscoplastic model by finite element resultsâ€™II. Application to torsion textures. Acta Metallurgica Et Materialia, 1994, 42, 2459-2466.	1.8	51
158	Tuning a self consistent viscoplastic model by finite element resultsâ€™I. Modeling. Acta Metallurgica Et Materialia, 1994, 42, 2453-2458.	1.8	125
159	A modified model for simulating latent hardening during the plastic deformation of rate-dependent FCC polycrystals. International Journal of Plasticity, 1993, 9, 961-978.	8.8	67
160	Modelling oriented nucleation and selective growth during dynamic recrystallization. Scripta Metallurgica Et Materialia, 1992, 27, 1575-1580.	1.0	62
161	Modelling the texture changes produced by dynamic recrystallization. Scripta Metallurgica Et Materialia, 1992, 27, 359-363.	1.0	42
162	On the stability of the ideal orientations of rolling textures for F.C.C. polycrystals. Acta Metallurgica Et Materialia, 1992, 40, 3179-3193.	1.8	80

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163	Discretization Techniques for Orientation Distribution Functions. Textures and Microstructures, 1992, 19, 229-244.	0.2	136
164	Modelling High Temperature Rolling Textures of FCC Metals. Textures and Microstructures, 1992, 19, 211-227.	0.2	11
165	Texture Development and Length Changes in Copper Bars Subjected to Free End Torsion. Textures and Microstructures, 1992, 19, 245-262.	0.2	76
166	Analytical solutions for the ideal orientations of f.c.c. rolling textures. Acta Metallurgica Et Materialia, 1991, 39, 2921-2930.	1.8	29
167	Shortening behaviour of drawn and twisted copper wires. Materials Science and Technology, 1991, 7, 458-463.	1.6	7
168	Analytical Representation of Polycrystal Yield Surfaces. , 1991, , 183-186.		5
169	Large Strain Effects during Free-End Torsion of Copper Bars. , 1991, , 319-322.		0
170	Development of ferrite rolling textures in low- and extra low-carbon steels. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 2985-3000.	1.4	109
171	Large strain shear and torsion of rate-sensitive FCC polycrystals. International Journal of Plasticity, 1990, 6, 45-61.	8.8	61
172	Length changes during free end torsion: A rate sensitive analysis. International Journal of Plasticity, 1990, 6, 83-108.	8.8	44
173	Stress response and persistence characteristics of the ideal orientations of shear textures. Acta Metallurgica, 1989, 37, 2197-2210.	2.1	146
174	Analytic Prediction of Texture and Length Changes During Free-End Torsion. Textures and Microstructures, 1989, 10, 195-209.	0.2	24
175	Effect of rate sensitivity on the stability of torsion textures. Acta Metallurgica, 1988, 36, 3077-3091.	2.1	234
176	Calculation of shear deformation at large strains. Scripta Metallurgica, 1988, 22, 1893-1896.	1.2	3
177	Dislocation structure and work hardening in polycrystalline ofhc copper rods deformed by torsion and tension. Acta Metallurgica, 1986, 34, 1257-1267.	2.1	96
178	The plastic behaviour of ?100? and ?111? textured polycrystalline metals during simultaneous torsion and extension. Journal of Materials Science, 1985, 20, 3983-3987.	3.7	2
179	Connection between stress state and plastic strain increments determined by a computer method. Journal of Materials Science, 1985, 20, 2128-2132.	3.7	0
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