John Jonas

List of Publications by Year in Descending Order

341 papers	17,810 citations	65 h-index	124 g-index
341 ext. papers	19,344 ext. citations	3.4 avg, IF	6.68 L-index

#	Paper	IF	Citations
341	Thermomechanical and thermodynamic behavior of deformed austenite in four different steel grades. *Journal of Materials Research and Technology*, **2021**, 11, 1911-1916	5.5	1
340	Dynamic transformation during the high temperature deformation of titanium alloys. *Journal of Alloys and Compounds*, **2021**, 884, 161179	5.7	2
339	In-Situ X-Ray Diffraction Measurement During Deformation of Austenite Above the Ae3 Temperature. *Minerals, Metals and Materials Series*, **2020**, 1789-1798	0.3	
338	In-situ X-ray diffraction evidence of dynamic transformation of austenite to ferrite during hot compression test in the single austenite phase field. *Scripta Materialia*, **2020**, 177, 86-90	5.6	9
337	Post-dynamic □ to □ phase transformation and reverse transformation of Ti-5Al-3V alloy after hot deformation in two phase region. *Materials and Design*, **2020**, 188, 108466	8.1	8
336	Retransformation of dynamically induced ferrite during physical simulation of Steckel mill hot rolling. *Journal of Materials Research and Technology*, **2020**, 9, 10254-10264	5.5	1
335	Accelerated flow softening and dynamic transformation of Ti-6Al-4V alloy in two-phase region during hot deformation via coarsening □ grain. *Journal of Materials Science and Technology*, **2020**, 36, 160-166	9.1	21
334	Induced ferrite formation above the Ae3 during plate rolling simulation of a X70 steel. *MRS Advances*, **2019**, 4, 3077-3085	0.7	1
333	Dynamic transformation during the high temperature deformation of two-phase titanium alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 761, 138047	5.3	18
332	Dynamic Transformation During the Simulated Hot Rolling of an API-X80 Steel. *Steel Research International*, **2019**, 90, 1900091	1.6	1
331	Dynamic Phase Transformation Behavior of a Nb-microalloyed Steel during Roughing Passes at Temperatures above the Ae3. *Metals*, **2019**, 9, 334	2.3	4
330	Dynamic Transformation of Two-Phase Titanium Alloys in Stable and Unstable States. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 4502-4505	2.3	5
329	Strain-Induced Ferrite Formation During Steckel Mill Simulations with Varying Roughing Pass Schedules. *Metals*, **2019**, 9, 814	2.3	2
328	Deformation-induced phase transformation in Zircaloy-4 below the beta transus. *Materials Letters*, **2018**, 220, 229-233	3.3	4
327	A semitopological mean-field model of discontinuous dynamic recrystallization. *Journal of Materials Science*, **2018**, 53, 8554-8566	4.3	5
326	Dynamic transformation of □> □ titanium at temperatures below the □ transus in commercially pure titanium. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 722, 156-159	5.3	15
325	Dynamic transformation of Ti□6Al□4V during torsion in the two-phase region. *Journal of Materials Science*, **2018**, 53, 9305-9315	4.3	23

324	Opposing and Driving Forces Associated with the Dynamic Transformation of Ti-6Al-4V. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 1450-1454	2.3	22
323	Determination of the Critical Stress Associated with Dynamic Phase Transformation in Steels by Means of Free Energy Method. *Metals*, **2018**, 8, 360	2.3	7
322	Effect of Grain Size and Residual Strain on the Dynamic Transformation of Austenite under Plate Rolling Conditions. *Steel Research International*, **2018**, 89, 1700547	1.6	5
321	Reverse Transformation Behavior of Ti-6Al-4V After Deformation in the Two-Phase Region. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 22-27	2.3	14
320	The Avrami Kinetics of Dynamic Recrystallization in Nickel-Niobium Alloys. *Materials Science Forum*, **2018**, 941, 2264-2269	0.4	1
319	Effect of Number of Roughing Passes on the Dynamic Transformation of Austenite during Simulated Plate Rolling. *Materials Science Forum*, **2018**, 941, 717-722	0.4	
318	Dynamic Transformation of Austenite at Temperatures above the Ae3. *Materials Science Forum*, **2018**, 941, 633-638	0.4	1
317	Physical Simulation Methods Applied to Hot Rolling of Linepipe Steels. *Materials Science Forum*, **2018**, 941, 438-442	0.4	0
316	Kinetics of Post-dynamic Coarsening and Reverse Transformation in Ti-6Al-4V. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 5956-5961	2.3	3
315	Effect of multipass deformation at elevated temperatures on the flow behavior and microstructural evolution in Ti-6Al-4V. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 729, 119-124	5.3	13
314	Determination of the critical stress for the initiation of dynamic transformation in commercially pure titanium. *Scripta Materialia*, **2017**, 133, 83-85	5.6	18
313	Formation of Widmanstätten Austenite in Strip Cast Grain-Oriented Silicon Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2017**, 48, 1959-1968	2.3	5
312	Dynamic Transformation during the Simulation of Plate Rolling in an X70 Steel. *Steel Research International*, **2017**, 88, 1600388	1.6	3
311	Effect of primary recrystallization microstructure on abnormal growth of Goss grains in a twin-roll cast grain-oriented electrical steel. *Materials and Design*, **2017**, 131, 167-176	8.1	10
310	Time-Temperature-Reverse Transformation (TTRT) Behaviors of a C-Mn and a Nb Microalloyed Steel after Dynamic Transformation above the Ae3. *Steel Research International*, **2017**, 88, 1700006	1.6	2
309	Variant selection of {10-12}-{10-12} double twins during the tensile deformation of an AZ31 Mg alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 700, 226-233	5.3	19
308	Dynamic Recrystallization Behavior of a Coarse-Grained Mg-2Zn-2Nd Magnesium Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2017**, 48, 594-600	2.3	7
307	Retransformation Behavior of Dynamically Transformed Ferrite during the Simulated Plate Rolling of a Low C and an X70 Nb Steel. *ISIJ International*, **2017**, 57, 929-936	1.7	11

306	Dynamic Transformation during the Simulated Plate Rolling of a 0.09% Nb Steel. *ISIJ International*, **2017**, 57, 1102-1111	1.7	6
305	Transformation softening in three titanium alloys. *Materials and Design*, **2017**, 113, 305-310	8.1	39
304	A phenomenological study of the incomplete grain evolution in a deformed vanadium alloy. *International Journal of Refractory Metals and Hard Materials*, **2017**, 69, 227-233	4.1	1
303	Dynamic Transformation of an X70 Steel under Plate Rolling Conditions. *ISIJ International*, **2017**, 57, 162-169	1.7	16
302	Dynamic Transformation and Retransformation During the Simulated Plate Rolling of an X70 Pipeline Steel. *Minerals, Metals and Materials Series*, **2017**, 259-269	0.3	
301	Microstructural Evolution of a C-Mn Steel During Hot Compression Above the Ae3. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 4357-4361	2.3	7
300	Easy Glide in a Coarse-Grained Mg-2Zn-2Nd Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 4795-4799	2.3	1
299	A metastable phase diagram for the dynamic transformation of austenite at temperatures above the Ae3. *International Journal of Materials Research*, **2016**, 107, 881-886	0.5	13
298	Formation of Widmanstätten ferrite at very high temperatures in the austenite phase field. *Acta Materialia*, **2016**, 109, 23-31	8.4	41
297	Static recrystallization behavior of magnesium AZ31 alloy subjected to high speed rolling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 662, 412-425	5.3	31
296	Dynamic transformation of deformed austenite at temperatures above the Ae3. *Progress in Materials Science*, **2016**, 82, 151-233	42.2	82
295	Effect of dynamic strain aging on the deformation and twinning behavior of a Mg–Zn–Nd alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2015**, 645, 126-135	5.3	10
294	Effect of Mn and Si on the dynamic transformation of austenite above the Ae3 temperature. *Acta Materialia*, **2015**, 82, 1-10	8.4	42
293	Some Physical Characteristics of Strain Hardening in Severe Plastic Deformation. *Advanced Engineering Materials*, **2015**, 17, 1783-1791	3.5	11
292	Ferrite Formation above the Ae3 Temperature during the Torsion Simulation of Strip Rolling. *ISIJ International*, **2015**, 55, 2426-2434	1.7	17
291	Flow Softening-based Formation of Widmanstätten Ferrite in a 0.06%C Steel Deformed Above the Ae3. *ISIJ International*, **2015**, 55, 300-307	1.7	28
290	Effect of Interpass Time on the Dynamic Transformation of a Plain C–Mn and a Nb Microalloyed Steel. *ISIJ International*, **2015**, 55, 647-654	1.7	21
289	Effect of Austenite Pancaking on the Microstructure, Texture, and Bendability of an Ultrahigh-Strength Strip Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2014**, 45, 1273-1283	2.3	50

288	The equivalent strain in high pressure torsion. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 607, 530-535	5.3	26
287	Dynamic and post-dynamic recrystallization under hot, cold and severe plastic deformation conditions. *Progress in Materials Science*, **2014**, 60, 130-207	42.2	1385
286	Orientation dependence of the martensite transformation in a quenched and partitioned steel subjected to uniaxial tension. *Journal of Applied Crystallography*, **2014**, 47, 1261-1266	3.8	38
285	Formation of Widmanstätten Ferrite in a 0.036% Nb Low Carbon Steel at Temperatures Above the Ae3. *Steel Research International*, **2014**, 85, 8-15	1.6	24
284	Effect of Ca Addition on the Intensity of the Rare Earth Texture Component in Extruded Magnesium Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2014**, 45, 4698-4709	2.3	32
283	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	5.3	14
282	Thermodynamics of dynamic transformation of hot deformed austenite in four steels of increasing carbon contents. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 591, 173-182	5.3	22
281	Variant selection during secondary and tertiary twinning in pure titanium. *Acta Materialia*, **2014**, 75, 198-211	8.4	70
280	Initiation and accommodation of primary twins in high-purity titanium. *Acta Materialia*, **2014**, 71, 293-305	8.4	86
279	Dynamic Transformation during the Torsion Simulation of Strip Rolling. *Materials Science Forum*, **2014**, 783-786, 39-44	0.4	8
278	The rotation axes and angles involved in the formation of self-accommodating plates of Widmanstätten ferrite. *Acta Materialia*, **2014**, 72, 13-21	8.4	17
277	Effect of Austenite Recrystallization on Toughness of Pipeline Steels. *Materials Science Forum*, **2013** , 753, 546-553	0.4	12
276	Role of mechanical activation in the dynamic transformation of austenite. *Acta Materialia*, **2013**, 61, 6125-6131	8.4	34
275	The dynamic transformation of deformed austenite at temperatures above the Ae3. *Acta Materialia* , **2013**, 61, 2348-2362	8.4	74
274	Determination of the Critical Strains for the Initiation of Dynamic Transformation and Dynamic Recrystallization in Four Steels of Increasing Carbon Contents. *Steel Research International*, **2013**, 84, 490-494	1.6	32
273	Dynamic Transformation during Simulated Hot Rolling. *Materials Science Forum*, **2013**, 762, 1-8	0.4	7
272	Effect of Dynamic Transformation on the Mean Flow Stress. *Steel Research International*, **2013**, 84, 253-258	1.6	15
271	The Critical Strain for Dynamic Transformation in Hot Deformed Austenite. *ISIJ International*, **2013**, 53, 145-151	1.7	37

270	Inapplicability of the Hencky Formalism to the Description of Large Deformations in Shear. *Materials Transactions*, **2013**, 54, 415-416	1.3	1
269	Dynamic Transformation Behavior of a Deformed High Carbon Steel at Temperatures Above the Ae3. *ISIJ International*, **2013**, 53, 900-908	1.7	20
268	Formation of Strain-induced Ferrite in Low Carbon Steels at Temperatures Above the Ae3. *ISIJ International*, **2013**, 53, 2233-2241	1.7	11
267	Mechanisms of grain refinement in Mg□Al□Zn alloy during hot deformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 538, 63-68	5.3	23
266	Linear friction welding of a near-□titanium alloy. *Acta Materialia*, **2012**, 60, 770-780	8.4	60
265	Variant selection of primary, secondary and tertiary twins in a deformed Mg alloy. *Acta Materialia*, **2012**, 60, 2043-2053	8.4	154
264	Transformation of Deformed Austenite at Temperatures above the Ae3 . *Materials Science Forum*, **2012**, 706-709, 49-54	0.4	4
263	Modeling the Flow Curve of Hot Deformed Austenite. *Materials Science Forum*, **2012**, 715-716, 81-88	0.4	3
262	A comparison of the von Mises and Hencky equivalent strains for use in simple shear experiments. *Philosophical Magazine*, **2012**, 92, 779-786	1.6	31
261	The Hencky equivalent strain and its inapplicability to the interpretation of torsion testing experiments. *Philosophical Magazine*, **2012**, 92, 2313-2328	1.6	10
260	Transformation of Deformed Austenite at Temperatures above the Ae3 . *Materials Science Forum*, **2012**, 706-709, 2740-2745	0.4	
259	Simulation of Austenite Flow Curves under Industrial Rolling Conditions Using a Physical Dynamic Recrystallization Model. *ISIJ International*, **2012**, 52, 1145-1152	1.7	26
258	A New Approach to Modeling the Flow Curve of Hot Deformed Austenite. *ISIJ International*, **2011**, 51, 945-950	1.7	31
257	Dynamic Transformation of a Low Carbon Steel at Temperatures above the Ae3. *ISIJ International*, **2011**, 51, 612-618	1.7	22
256	Linear friction welding of Al□Cu Part 2 □Interfacial characteristics. *Canadian Metallurgical Quarterly*, **2011**, 50, 360-370	0.9	19
255	Problems with Using the Hencky Equivalent Strain in Simple Shear. *Materials Transactions*, **2011**, 52, 1748-1751	1.3	12
254	Serrated Flow and Enhanced Ductility in Coarse-Grained Al-Mg Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2011**, 42, 1028-1037	2.3	3
253	Formation of Deformation-Induced Divorced Eutectoid Pearlite above the Ae1. *Advanced Materials Research*, **2011**, 409, 829-834	0.5	14

252	The role of strain accommodation during the variant selection of primary twins in magnesium. *Acta Materialia*, **2011**, 59, 2046-2056	8.4	241
251	Evolution of recrystallization texture in a 0.78 wt.% Cr extra-low-carbon steel after warm and cold rolling. *Acta Materialia*, **2011**, 59, 4847-4865	8.4	66
250	Effect of dynamic strain aging on the appearance of the rare earth texture component in magnesium alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 6596-6605	5.3	52
249	Linear friction welding of Al□u: Part 1 □Process evaluation. *Canadian Metallurgical Quarterly*, **2011**, 50, 350-359	0.9	21
248	Effect of twinning on recrystallisation textures in deformed magnesium alloy AZ31. *Philosophical Magazine*, **2011**, 91, 3613-3626	1.6	30
247	Ferrite Formation Above the Ae3 in a Medium-Carbon Steel. *Solid State Phenomena*, **2011**, 172-174, 372-377	0.4	4
246	The Ferrite Transformation in Hot Deformed 0.036% Nb Austenite at Temperatures Above the Ae3. *ISIJ International*, **2010**, 50, 1185-1192	1.7	35
245	Production of recrystallized nano-grains in a fine-grained Cu□n alloy. *Philosophical Magazine Letters*, **2010**, 90, 93-101	1	11
244	Variant selection during secondary twinning in Mg□%Al. *Acta Materialia*, **2010**, 58, 3970-3983	8.4	152
243	Evolution of microstructure and microtexture during the hot deformation of Mg□% Al. *Acta Materialia*, **2010**, 58, 4253-4266	8.4	80
242	Influence of Processing Conditions on Obtaining an Ultrafine Grain Structure. *Canadian Metallurgical Quarterly*, **2009**, 48, 219-228	0.9	
241	The combined effect of static recrystallization and twinning on texture in magnesium alloys AM30 and AZ31. *International Journal of Materials Research*, **2009**, 100, 576-583	0.5	12
240	The Avrami kinetics of dynamic recrystallization. *Acta Materialia*, **2009**, 57, 2748-2756	8.4	387
239	Models of Recrystallization **2009**, 220-231		11
238	Transformation Textures Associated with Steel Processing **2009**, 3-17		24
237	Effect of twinning on the flow behavior during strain path reversals in two Mg (+Al, Zn, Mn) alloys. *Scripta Materialia*, **2008**, 58, 803-806	5.6	25
236	Microstructure, Texture and Mechanical Properties of AZ31 Mg Alloy Produced by Equal Channel Angular Extrusion. *Canadian Metallurgical Quarterly*, **2008**, 47, 437-447	0.9	1
235	Correlation between the Deformation and Post-deformation Softening Behaviours in Hot Worked Austenite. *ISIJ International*, **2008**, 48, 208-211	1.7	10

234	Effect of Processing Schedule on the Microstructure and Texture of 0.78 wt% Cr Extra-low-carbon Steel. *ISIJ International*, **2008**, 48, 1443-1450	1.7	3
233	Maximum disorientation angles between crystals of any point groups and their corresponding rotation axes. *Journal of Applied Crystallography*, **2008**, 41, 803-807	3.8	4
232	Effect of particle/matrix interfacial character on the high-temperature deformation and recrystallization behavior of Cu with dispersed Fe particles. *Acta Materialia*, **2008**, 56, 4944-4952	8.4	19
231	Deformation behavior of two Mg alloys during ring hoop tension testing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 492, 68-73	5.3	27
230	Nucleation of Dynamic Recrystallization at the Grain Boundaries of Copper Bicrystals. *Materials Science Forum*, **2007**, 558-559, 457-464	0.4	5
229	Twinning and texture development in two Mg alloys subjected to loading along three different strain paths. *Acta Materialia*, **2007**, 55, 3899-3910	8.4	384
228	Influence of {10-12} extension twinning on the flow behavior of AZ31 Mg alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 445-446, 302-309	5.3	252
227	Representation of orientation relationships in Rodrigues–Frank space for any two classes of lattice. *Journal of Applied Crystallography*, **2007**, 40, 559-569	3.8	10
226	Texture Evolution during Annealing of Warm Rolled Cr-Containing Low Carbon Steels. *Materials Science Forum*, **2007**, 558-559, 295-300	0.4	1
225	The Strain Dependence of Post-Deformation Softening during the Hot Compression of 304H Stainless Steel. *Materials Science Forum*, **2007**, 539-543, 100-107	0.4	1
224	The Strain-Independence of Interpass Softening during the Hot Compression of 304 H Stainless Steel. *Materials Science Forum*, **2007**, 539-543, 4932-4937	0.4	1
223	An EBSD Study of Orientation Relationships during Phase Transformations in Ultra High Performance Steels. *Materials Science Forum*, **2007**, 539-543, 4614-4619	0.4	
222	Grain Scale Assessment of Variant Selection in a Thermomechanically Processed TRIP Steel. *Materials Science Forum*, **2007**, 539-543, 4762-4767	0.4	
221	Crystallographic features of the □-to-□ transformation in a Nb-added transformation-induced plasticity steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2006**, 37, 2641-2653	2.3	21
220	Twinning-induced softening in polycrystalline AM30 Mg alloy at moderate temperatures. *Scripta Materialia*, **2006**, 54, 771-775	5.6	232
219	Modelling of dynamic recrystallisation kinetics in austenitic stainless and hypereutectoid steels. *Materials Science and Technology*, **2006**, 22, 519-524	1.5	58
218	Effect of Chromium Addition on the Warm Rolling Behaviour of Low Carbon Steels. *Canadian Metallurgical Quarterly*, **2006**, 45, 451-457	0.9	2
217	Predicting the Critical Stress for Initiation of Dynamic Recrystallization. *ISIJ International*, **2006**, 46, 1679-1684	1.7	157

216	Transformation Textures in As-hot rolled TRIP Steels. *Steel Research International*, **2006**, 77, 650-653	1.6	3
215	Observations of the Gibeon meteorite and the inverse Greninger–Troiano orientation relationship. *Journal of Applied Crystallography*, **2006**, 39, 72-81	3.8	45
214	Crystallographic relations between face- and body-centred cubic crystals formed under near-equilibrium conditions: Observations from the Gibeon meteorite. *Acta Materialia*, **2006**, 54, 1323-1334	8.4	39
213	Texture evolution during the recrystallization of a warm-rolled low-carbon steel. *Acta Materialia*, **2006**, 54, 3085-3093	8.4	41
212	Fine-scale microstructural investigations of warm rolled low-carbon steels with and without Cr, P, and B additions. *Acta Materialia*, **2006**, 54, 4539-4551	8.4	42
211	Shear punch testing of welded pipeline steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 420, 115-121	5.3	15
210	Comparison of mechanical and metallurgical properties of hollow and solid forged products. *Journal of Materials Processing Technology*, **2006**, 178, 181-187	5.3	9
209	Problems Associated with Modeling Interpass Softening during Industrial Hot Strip Rolling. *Materials Science Forum*, **2005**, 500-501, 211-220	0.4	2
208	Particle-Stimulated Nucleation of Dynamic Recrystallization in AZ31 Alloy at Elevated Temperatures. *Materials Science Forum*, **2005**, 488-489, 261-264	0.4	9
207	Effect of Quench and Interpass Time on Dynamic and Static Softening during Hot Rolling. *Steel Research International*, **2005**, 76, 392-398	1.6	12
206	Representation of misorientations in Rodrigues–Frank space: application to the Bain, Kurdjumov–Sachs, Nishiyama–Wassermann and Pitsch orientation relationships in the Gibeon meteorite. *Acta Materialia*, **2005**, 53, 1179-1190	8.4	53
205	The possible role of partial dislocations in facilitating transformations of the Nishiyama–Wassermann type. *Scripta Materialia*, **2005**, 52, 175-179	5.6	19
204	TEM Characterization of the Recrystallization Behaviour of Warm Rolled Low Carbon Steels Containing Chromium during the Early Stages of Annealing. *ISIJ International*, **2005**, 45, 867-875	1.7	9
203	Multiscale Characterisation of the Transformation Texture in a High Performance Steel. *Materials Science Forum*, **2005**, 495-497, 381-386	0.4	2
202	A Study of the α-to-γ Transformation Using EBSD Techniques. *Materials Science Forum*, **2005**, 495-497, 1201-1206	0.4	3
201	Variant Selection during the Transformation of Deformed Austenite in a Niobium Bearing TRIP Steel. *Materials Science Forum*, **2005**, 495-497, 345-350	0.4	2
200	Representation of Misorientations in Rodrigues-Frank Space: Application to the Bain, Kurdjumov-Sachs, Nishiyama-Wassermann, Pitsch and Greninger-Troiano Orientation Relationships. *Materials Science Forum*, **2005**, 495-497, 1177-1182	0.4	5
199	A New Model for Interpass Softening Based on the Strain Hardening Rate Prior to Unloading. *Materials Science Forum*, **2005**, 500-501, 15-26	0.4	4

198	Effect of Rolling Temperature, Reduction and Alloying Additions on the Texture of Warm Rolled Steels. *Materials Science Forum*, **2005**, 495-497, 501-506	0.4	5
197	Crystallographic Relationships between FCC and BCC Crystals: A Study Using EBSD Techniques. *Solid State Phenomena*, **2005**, 105, 121-126	0.4	6
196	Transformation and Recrystallization Textures Associated with Steel Processing **2005**, 685-700		12
195	Effect of Microstructure on the Cold Headability of a Medium Carbon Steel. *ISIJ International*, **2004**, 44, 905-913	1.7	14
194	Effect of Silicon on the Interaction between Recrystallization and Precipitationin Niobium Microalloyed Steels. *ISIJ International*, **2004**, 44, 381-387	1.7	17
193	Grain-scale characterization of transformation textures. *Journal of Applied Crystallography*, **2004**, 37, 417-425	3.8	20
192	Effect of Alloying Elements on the Microstructure and Texture of Warm Rolled Steels. *ISIJ International*, **2004**, 44, 717-724	1.7	14
191	Static and Dynamic Strain Aging at High Temperatures in 304 Stainless Steel. *ISIJ International*, **2004**, 44, 1263-1272	1.7	16
190	Kinetics and Critical Conditions for the Initiation of Dynamic Recrystallization in 304 Stainless Steel. *ISIJ International*, **2004**, 44, 1581-1589	1.7	79
189	Prediction of Interpass Softening from the Strain Hardening Rate Prior to Unloading. *ISIJ International*, **2004**, 44, 1874-1881	1.7	16
188	The Critical Strain for Dynamic Recrystallization in Rolling Mills. *Materials Science Forum*, **2003**, 426-432, 57-66	0.4	35
187	Warm rolling behaviour of low carbon steels. *Materials Science and Technology*, **2003**, 19, 709-714	1.5	33
186	Initiation of Dynamic Recrystallization in Constant Strain Rate Hot Deformation. *ISIJ International*, **2003**, 43, 684-691	1.7	321
185	Critical Strain for Dynamic Recrystallization in Variable Strain Rate Hot Deformation. *ISIJ International*, **2003**, 43, 692-700	1.7	98
184	Effect of rolling temperature on the deformation and recrystallization textures of warm-rolled steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2003**, 34, 1163-1174	2.3	34
183	Effect of Rolling Temperature on the Recrystallization Texture of Warm Rolled Steels. *Materials Science Forum*, **2003**, 426-432, 3691-3696	0.4	5
182	Effect of Chromium, Boron and Manganese Additions on the Deformation and Recrystallization Textures of Warm Rolled Low Carbon Steels. *ISIJ International*, **2003**, 43, 1842-1850	1.7	5
181	Axial Contraction during Torsion Simulation of Steel Rolling at High Temperatures. *ISIJ International* , **2003**, 43, 701-705	1.7	4

180	The Deformation Microstructure and Recrystallization Behavior of Warm Rolled Steels.. *ISIJ International*, **2002**, 42, 751-759	1.7	22
179	The non-equilibrium segregation of boron on original and moving austenite grain boundaries. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2002**, 335, 49-61	5.3	76
178	Effect of manganese on recrystallisation kinetics of niobium microalloyed steel. *Materials Science and Technology*, **2002**, 18, 389-395	1.5	27
177	Role of Cross-Slip in Determining Orientation Relationships during the □o-□Transformation. *Materials Science Forum*, **2002**, 408-412, 1789-0	0.4	2
176	The Dynamic, Static and Metadynamic Recrystallization of a Nb-microalloyed Steel.. *ISIJ International*, **2001**, 41, 63-69	1.7	96
175	AlN Precipitation in Dual-phase 3% Si Electrical Steels.. *ISIJ International*, **2001**, 41, 484-491	1.7	15
174	Mathematical Modeling of the Recrystallization Kinetics of Nb Microalloyed Steels.. *ISIJ International*, **2001**, 41, 766-773	1.7	53
173	Effects of shear band formation on texture development in warm-rolled IF steels. *Journal of Materials Processing Technology*, **2001**, 117, 293-299	5.3	57
172	Effect of temperature and hydrogen concentration on the lattice parameter of beta titanium. *Materials Research Bulletin*, **2001**, 36, 1431-1440	5.1	68
171	The hot strip mill as an experimental tool. *Ironmaking and Steelmaking*, **2001**, 28, 133-137	1.3	
170	The Hot Strip Mill as an Experimental Tool.. *ISIJ International*, **2000**, 40, 731-738	1.7	24
169	Finite element analysis of damage evolution and the prediction of the limiting draw ratio in textured aluminum sheets. *Journal of Materials Processing Technology*, **2000**, 103, 374-382	5.3	9
168	The austenite-to-martensite transformation in Fe□0%Ni after deformation by simple shear. *Acta Materialia*, **2000**, 48, 2737-2749	8.4	32
167	Static and dynamic strain aging in 304 austenitic stainless steel at elevated temperatures. *Journal of Materials Science Letters*, **2000**, 19, 2019-2022		14
166	Mathematical modeling of the hot strip rolling of microalloyed Nb, multiply-alloyed Cr-Mo, and plain C-Mn steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2000**, 31, 511-530	2.3	118
165	The □o-□transformation of hot rolled austenite. *Metals and Materials International*, **2000**, 6, 211-220		7
164	Effect of Internal Stresses in Cold Rolled IF Steel on the Orientations of Recrystallized Grains.. *ISIJ International*, **2000**, 40, 393-401	1.7	12
163	Effect of Silicon on the Kinetics of Nb(C, N) Precipitation during the Hot Working of Nb-bearing Steels.. *ISIJ International*, **2000**, 40, 613-618	1.7	24

162	Self-consistent polycrystal modelling of dynamic recrystallization during the shear deformation of a Ti IF steel. *Acta Materialia*, **1999**, 47, 447-460	8.4	19
161	Solute drag effects during the dynamic recrystallization of nickel. *Acta Materialia*, **1999**, 47, 4365-4374	8.4	51
160	Deep drawing textures in low carbon steels. *Metals and Materials International*, **1999**, 5, 419-427		21
159	Flow stress and recrystallisation during hot deformation of Cu□%Sn alloys. *Materials Science and Technology*, **1999**, 15, 803-811	1.5	13
158	Distinctive Aspects of the Physical Metallurgy of Warm Rolling.. *ISIJ International*, **1999**, 39, 856-873	1.7	69
157	Effect of void nucleation and growth on forming limit diagrams of textured aluminum alloy sheets. *Metals and Materials International*, **1998**, 4, 973-977		2
156	Influence of damage and texture evolution on limit strain in biaxially stretched aluminum alloy sheets. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1998**, 251, 243-250	5.3	17
155	Steady-state flow controlled by the velocity of grain-boundary migration. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1998**, 255, 49-53	5.3	16
154	FEM simulation of the forming of textured aluminum sheets. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1998**, 256, 51-59	5.3	14
153	Predictions of forming limit diagrams using crystal plasticity models. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1998**, 257, 128-133	5.3	37
152	The inverse swift effect: experiments and theory. *Acta Materialia*, **1998**, 46, 51-60	8.4	6
151	Minimum-Angle versus Low-Index Axis Rotations for Representing Small- and Large-Angle Grain Boundary Misorientations in Cubic Lattices. *Journal of Applied Crystallography*, **1998**, 31, 204-211	3.8	7
150	Effect of texture on earing in FCC metals: Finite element simulations. *International Journal of Plasticity*, **1998**, 14, 117-138	7.6	29
149	Effect of Interpass Time on the Hot Rolling Behaviour of Microalloyed Steels. *Materials Science Forum*, **1998**, 284-286, 3-14	0.4	4
148	Effect of the Chemical Composition on the Peak and Steady Stresses of Plain Carbon and Microalloyed Steels Deformed under Hot Working Conditions. *Materials Science Forum*, **1998**, 284-286, 127-134	0.4	13
147	Modeling the Critical Strain for the Initiation of Dynamic Recrystallization during the Hot Strip Rolling of Niobium Microalloyed Steels. *Materials Science Forum*, **1998**, 284-286, 377-384	0.4	5
146	Using Oim to Interpret the Dynamically Recrystallized Texture of a Low Stacking Fault Energy FCC Material. *Materials Science Forum*, **1998**, 273-275, 249-254	0.4	10
145	Effect of Boron Addition on the Dynamic Strain Aging Behavior of a Medium Carbon Steel Wire Rod. *Materials Science Forum*, **1998**, 284-286, 543-550	0.4	4

144	Variant Selection during the □o-□Transformation of a Fe-30%Ni Alloy. *Materials Science Forum*, **1998**, 273-275, 157-162	0.4	1
143	Mathematical Modelling of Mean Flow Stress during the Hot Strip Rolling of Multiply-alloyed Medium Carbon Steels.. *ISIJ International*, **1998**, 38, 187-195	1.7	41
142	The Formation of Deformation Induced Ferrite during Mechanical Testing.. *ISIJ International*, **1998**, 38, 300-309	1.7	19
141	FEM Simulation of Deep Drawing of Textured Aluminum Sheets Using Anisotropic Fourth-Order Strain-Rate Potential. *Materials Transactions, JIM*, **1998**, 39, 469-477		4
140	Effect of Deformation and Cooling Rate on the Microstructures of Low Carbon Nb-B Steels.. *ISIJ International*, **1998**, 38, 371-379	1.7	33
139	Influence of Ferrite Rolling Temperature on Microstructure and Texture in Deformed Low C and IF Steels.. *ISIJ International*, **1997**, 37, 697-705	1.7	103
138	Importance of deformation induced ferrite and factors which control its formation. *Materials Science and Technology*, **1997**, 13, 379-388	1.5	33
137	Modelling Texture Change during the Static Recrystallization of a Cold Rolled and Annealed Ultra Low Carbon Steel Previously Warm Rolled in the Ferrite Region.. *ISIJ International*, **1997**, 37, 807-814	1.7	23
136	Influence of Ferrite Rolling Temperature on Grain Size and Texture in Annealed Low C and IF Steels.. *ISIJ International*, **1997**, 37, 706-714	1.7	68
135	Current issues in recrystallization: a review. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 238, 219-274	5.3	1602
134	Incorporation of an anisotropic (texture-based) strain-rate potential into three-dimensional finite element simulations. *International Journal of Plasticity*, **1997**, 13, 165-181	7.6	17
133	Static Recrystallization of Nb and Nb-B Steels under Continuous Cooling Conditions.. *ISIJ International*, **1996**, 36, 1084-1093	1.7	21
132	Effect of Initial Grain Size on the Static Recrystallization Kinetics of Nb Microalloyed Steels.. *ISIJ International*, **1996**, 36, 1479-1485	1.7	61
131	Mathematical Modeling of the Mean Flow Stress, Fractional Softening and Grain Size during the Hot Strip Rolling of C-Mn Steels.. *ISIJ International*, **1996**, 36, 1500-1506	1.7	65
130	Mathematical Modeling of Mean Flow Stress during the Hot Strip Rolling of Nb Steels.. *ISIJ International*, **1996**, 36, 1507-1515	1.7	56
129	Effect of Finishing Temperature on Hot Band Textures in an IF Steel.. *ISIJ International*, **1996**, 36, 68-73	1.7	17
128	Spreadsheet Modelling of Grain Size Evolution during Rod Rolling.. *ISIJ International*, **1996**, 36, 720-728	1.7	82
127	The role of coincident site lattice boundaries during selective growth in interstitial-free steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1996**, 27, 2178-2186	2.3	4

126	Textures induced by tension and deep drawing in aluminum sheets. *Acta Materialia*, **1996**, 44, 587-605	8.4	28
125	A one-parameter approach to determining the critical conditions for the initiation of dynamic recrystallization. *Acta Materialia*, **1996**, 44, 127-136	8.4	682
124	Behaviour of initial texture components during the plane strain drawing of f.c.c. sheet metals. *Acta Materialia*, **1996**, 44, 607-619	8.4	3
123	A mechanical interpretation of the activation energy of high temperature deformation in two phase materials. *Acta Materialia*, **1996**, 44, 1665-1672	8.4	104
122	Texture development during the torsion testing of □ron and two IF steels. *Acta Materialia*, **1996**, 44, 4273-4288	8.4	89
121	Modelling the Effects of Nucleation and Growth on Texture Formation in Commercial Steels. *Materials Science Forum*, **1996**, 204-206, 155-168	0.4	8
120	Flow behaviour of medium carbon microalloyed steel under hot working conditions. *Materials Science and Technology*, **1996**, 12, 579-585	1.5	35
119	Consistent tangent operator for plasticity models based on the plastic strain rate potential. *Computer Methods in Applied Mechanics and Engineering*, **1995**, 128, 315-323	5.7	6
118	A combined model of oriented nucleation and selective growth for the recrystallization of interstitial-free steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1995**, 26, 2399-2406	2.3	12
117	Dynamic Strain Aging and the Wire Drawing of Low Carbon Steel Rods.. *ISIJ International*, **1995**, 35, 1532-1540	1.7	61
116	Effect of quench aging on drawability in low carbon steels. *Materials Science and Technology*, **1995**, 11, 1139-1146	1.5	9
115	Softening and Flow Stress Behaviour of Nb Microalloyed Steels during Hot Rolling Simulation.. *ISIJ International*, **1995**, 35, 1523-1531	1.7	68
114	Transformation Textures in Steels.. *ISIJ International*, **1994**, 34, 927-942	1.7	135
113	A Reexamination of the Gibbs Energies of Formation of TiS and Ti4C2S2 in Austenite.. *ISIJ International*, **1994**, 34, 761-763	1.7	3
112	Dynamic recrystallization□cientific curiosity or industrial tool?. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 184, 155-165	5.3	72
111	Comparison between simulated and experimental transformation textures in a Nb microalloyed steel. *Acta Metallurgica Et Materialia*, **1994**, 42, 2511-2523		18
110	Modelling the effect of deformation-induced vacancies on segregation and precipitation. *Acta Metallurgica Et Materialia*, **1994**, 42, 133-141		173
109	Influence of dynamic precipitation on grain boundary sliding during high temperature creep. *Acta Metallurgica Et Materialia*, **1994**, 42, 283-292		16

108	Effect of austenite pancaking on texture formation in a plain carbon and A Nb microalloyed steel. *Acta Metallurgica Et Materialia*, **1994**, 42, 3615-3627		36
107	Influence of strain rate on production of deformation induced ferrite and hot ductility of steels. *Materials Science and Technology*, **1994**, 10, 721-727	1.5	29
106	Simulation of the deformation textures induced by deep drawing in extra low carbon steel sheets. *Acta Metallurgica Et Materialia*, **1994**, 42, 4101-4116		22
105	Cold rolling and annealing textures in low carbon and extra low carbon steels. *International Materials Reviews*, **1994**, 39, 129-172	16.1	371
104	Modeling Texture Change during the Recrystallization of an IF Steel.. *ISIJ International*, **1994**, 34, 435-442	1.7	75
103	Determination of Recrystallization Stop Temperature from Rolling Mill Logs and Comparison with Laboratory Simulation Results.. *ISIJ International*, **1994**, 34, 917-922	1.7	68
102	Correcting for the Effects of Static and Metadynamic Recrystallization during the Laboratory Simulation of Rod Rolling.. *ISIJ International*, **1994**, 34, 607-614	1.7	27
101	Strain Accumulation and Post-Dynamic Recrystallization in C-Mn Steels. *Materials Science Forum*, **1993**, 113-115, 473-478	0.4	8
100	Measurement and modelling of the effects of precipitation on recrystallization under multipass deformation conditions. *Acta Metallurgica Et Materialia*, **1993**, 41, 3595-3604		31
99	Superplastic forging procedures for manufacture of ceramic yttria stabilised tetragonal zirconia products. *Materials Science and Technology*, **1993**, 9, 26-34	1.5	9
98	Modelling the length changes that take place during torsion testing. *International Journal of Mechanical Sciences*, **1993**, 35, 1065-1077	5.5	14
97	Simulated Rod Rolling of Interstitial Free Steels.. *ISIJ International*, **1993**, 33, 488-497	1.7	12
96	Influence of boron on nature and distribution of strain induced precipitates in (Ti,Nb) high strength low alloy steels. *Materials Science and Technology*, **1992**, 8, 628-636	1.5	19
95	Design of dynamic recrystallisation controlled rolling schedules for seamless tube rolling. *Materials Science and Technology*, **1992**, 8, 63-71	1.5	19
94	Influence of Dynamic Recrystallisation on the Tensile Ductility of Steels in the Temperature Range 700 to 1150.DEG.C... *ISIJ International*, **1992**, 32, 241-249	1.7	30
93	Effect of Controlled Rolling on Texture Development in a Plain Carbon and a Nb Microalloyed Steel.. *ISIJ International*, **1992**, 32, 203-212	1.7	28
92	Structural and mechanical aspects of high temperature deformation of polycrystalline nickel. *Materials Science and Technology*, **1992**, 8, 153-158	1.5	10
91	Modelling oriented nucleation and selective growth during dynamic recrystallization. *Scripta Metallurgica Et Materialia*, **1992**, 27, 1575-1580		54

90	Modelling the texture changes produced by dynamic recrystallization. *Scripta Metallurgica Et Materialia*, **1992**, 27, 359-363		36
89	Influence of Hot Strip Rolling Parameters of Austenite Recrystallization in Interstitial Free Steels.. *ISIJ International*, **1992**, 32, 213-221	1.7	32
88	Influence of deformation defects on the development of strain gradients during the tensile deformation of polyethylene. *Polymer*, **1992**, 33, 1244-1254	3.9	14
87	Comparison of dynamic recrystallization and conventional controlled rolling schedules by laboratory simulation.. *ISIJ International*, **1991**, 31, 278-288	1.7	35
86	Prediction of temperature distribution, flow stress and microstructure during the multipass hot rolling of steel plate and strip.. *ISIJ International*, **1991**, 31, 95-105	1.7	65
85	Effect of intermediate cooling on grain refinement and precipitation during rolling of seamless tubes. *Materials Science and Technology*, **1991**, 7, 129-136	1.5	11
84	Shortening behaviour of drawn and twisted copper wires. *Materials Science and Technology*, **1991**, 7, 458-463	1.5	6
83	Simulation of earing in textured materials. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 131, 161-170	5.3	13
82	Laboratory simulation of seamless-tube rolling. *Journal of Materials Processing Technology*, **1991**, 25, 69-90	5.3	15
81	Development of anisotropy during the cold rolling of aluminium sheet. *International Journal of Mechanical Sciences*, **1991**, 33, 197-209	5.5	26
80	Hot ductility of steels and its relationship to the problem of transverse cracking during continuous casting. *International Materials Reviews*, **1991**, 36, 187-220	16.1	274
79	Effect of grain refinement and grain coarsening on shapes of dynamic recrystallisation flow curves for C□Mn□Al steels. *Materials Science and Technology*, **1991**, 7, 904-913	1.5	4
78	Enhanced deformation behavior of incompletely sintered Y-TZP zirconia. *Scripta Metallurgica Et Materialia*, **1991**, 25, 1035-1040		5
77	The non-equilibrium segregation of boron during the recrystalization of Nb-treated HSLA steels. *Acta Metallurgica Et Materialia*, **1991**, 39, 2295-2308		63
76	Ultrasonic Prediction of r-value in Deep Drawing Steels.. *ISIJ International*, **1991**, 31, 696-705	1.7	2
75	Gibbs energies of formation of TiS and Ti4C2S2 in austenite.. *ISIJ International*, **1990**, 30, 985-990	1.7	23
74	Large strain shear and torsion of rate-sensitive FCC polycrystals. *International Journal of Plasticity*, **1990**, 6, 45-61	7.6	55
73	Length changes during free end torsion: A rate sensitive analysis. *International Journal of Plasticity*, **1990**, 6, 83-108	7.6	40

72	Effect of dynamic recrystallization on microstruvctural evolution during strip rolling.. *ISIJ International*, **1990**, 30, 216-225	1.7	74
71	Estimation of 8th, 10th and 12th Order ODF Coefficients From Elastic Properties in Cold Rolled Steel Sheets by Adjustment of Single Crystal Elastic Constants. *Textures and Microstructures*, **1990**, 12, 175-185		5
70	Prediction of transformation textures in steels. *Acta Metallurgica Et Materialia*, **1990**, 38, 1475-1490		37
69	Stress response and persistence characteristics of the ideal orientations of shear textures. *Acta Metallurgica*, **1989**, 37, 2197-2210		131
68	Grain boundary segregation of boron during continuous cooling. *Acta Metallurgica*, **1989**, 37, 147-161		71
67	The grain boundary segregation of boron during isothermal holding. *Acta Metallurgica*, **1989**, 37, 2905-2916		60
66	Retardation of Austenite Recrystallization by the Strain Induced Segregation of Boron. *Canadian Metallurgical Quarterly*, **1989**, 28, 159-169	0.9	6
65	Characterisation of critical nucleus/matrix interface: application to Cu□o alloys and microalloyed austenite. *Materials Science and Technology*, **1989**, 5, 8-12	1.5	19
64	Modeling of flow stress and rolling load of a hot strip mill by torsion testing.. *ISIJ International*, **1989**, 29, 878-886	1.7	40
63	Estimation of 4th and 6th Order ODF Coefficients From Elastic Properties in Cold Rolled Steel Sheets. *Textures and Microstructures*, **1989**, 11, 41-56		9
62	Theoretical analyses of <111> pencil glide in b.c.c. crystals. *Acta Metallurgica*, **1988**, 36, 231-256		28
61	Effect of rate sensitivity on the stability of torsion textures. *Acta Metallurgica*, **1988**, 36, 3077-3091		213
60	Recovery and recrystallization of polycrystalline nickel after hot working. *Acta Metallurgica*, **1988**, 36, 1781-1790		89
59	Yield surfaces of b.c.c. crystals for slip on the {110} <111> and {112} <111> systems. *Acta Metallurgica*, **1988**, 36, 1365-1380		23
58	Effect of the Combined Addition of Niobium and Boron on Static Recrystallization in Hot Worked Austenite. *Canadian Metallurgical Quarterly*, **1988**, 27, 235-246	0.9	16
57	Calculation of shear deformation at large strains. *Scripta Metallurgica*, **1988**, 22, 1893-1896		2
56	Effect of material imperfections on flow localization in torsion. *Scripta Metallurgica*, **1987**, 21, 669-674		2
55	Recovery and recrystallization of copper during stress relaxation after hot compression. *Acta Metallurgica*, **1987**, 35, 1951-1962		17

54	Yield surfaces for textured polycrystals I. Analytical approach. *Acta Metallurgica*, **1987**, 35, 1159-1174		48
53	Yield surfaces for textured polycrystals II Crystallographic approach. *Acta Metallurgica*, **1987**, 35, 439-451		107
52	Flow stress and substructural change during transient dynamic recrystallization of nickel. *Materials Science and Technology*, **1986**, 2, 659-665	1.5	19
51	Grain reorientation during the plastic deformation of f.c.c. metals. *Acta Metallurgica*, **1986**, 34, 937-950		22
50	Effect of deformation heating and strain rate sensitivity on flow localization during the torsion testing of 6061 aluminum. *Acta Metallurgica*, **1986**, 34, 167-176		26
49	Comparative Study of the Deformation Behaviour of Zr-2.5 wt% Nb and Excel Pressure Tube Alloys. *Canadian Metallurgical Quarterly*, **1985**, 24, 259-272	0.9	22
48	The yield surface of textured polycrystals *Journal of the Mechanics and Physics of Solids*, **1985**, 33, 371-397		69
47	Relation between axial stresses and texture development during torsion testing: A simplified theory. *Acta Metallurgica*, **1985**, 33, 705-717		173
46	Flow localization in OFHC Cu and 99.99% Al. *Acta Metallurgica*, **1985**, 33, 719-730		4
45	An analysis of flow localization during torsion testing. *Acta Metallurgica*, **1985**, 33, 465-476		29
44	Flow localization and the determination of constitutive relations in highly drawn polymers: One-dimensional Eulerian formulation of the effect of stress triaxiality. *Acta Metallurgica*, **1985**, 33, 759-770		18
43	The elastic unloading of torsion bars subjected to prior plastic deformation. *Scripta Metallurgica*, **1985**, 19, 235-240		6
42	Work hardening and rate sensitivity material coefficients for OFHC Cu and 99.99% A1. *Acta Metallurgica*, **1984**, 32, 1655-1668		20
41	Theory of torsion texture development. *Acta Metallurgica*, **1984**, 32, 211-226		242
40	Plastic instability and flow localization in shear at high rates of deformation. *Acta Metallurgica*, **1984**, 32, 1347-1354		75
39	Axial stresses and texture development during the torsion testing of Al, Cu and Fe. *Acta Metallurgica*, **1984**, 32, 2077-2089		290
38	The relation between macroscopic and microscopic strain hardening in F.C.C. polycrystals. *Acta Metallurgica*, **1984**, 32, 1637-1653		425
37	Effect of texture and heat treatment on high temperature deformation of Zircaloy-2. *Journal of Nuclear Materials*, **1984**, 126, 44-52	3.3	15

36	Dynamic precipitation and solute hardening in a titanium microalloyed steel containing three levels of manganese. *Acta Metallurgica*, **1984**, 32, 591-601		68
35	Overview no. 35 Dynamic recrystallization: Mechanical and microstructural considerations. *Acta Metallurgica*, **1984**, 32, 189-209		867
34	Effect of test method on transition from multiple to single peak dynamic recrystallization. *Metal Science*, **1984**, 18, 77-84		25
33	Influence du molybdene sur la recristallisation et la precipitation dynamiques dans des aciers microallies contenant du niobium et du vanadium. *Acta Metallurgica*, **1983**, 31, 619-629		5
32	Effect of vanadium and molybdenum addition on high temperature recovery, recrystallization and precipitation behavior of niobium-based microalloyed steels. *Acta Metallurgica*, **1983**, 31, 161-174		116
31	Effect of initial grain size on dynamic recrystallization of copper. *Metal Science*, **1983**, 17, 609-616		141
30	Dynamic recrystallization during the transient deformation of a vanadium microalloyed steel. *Acta Metallurgica*, **1983**, 31, 631-641		67
29	Influence of dynamic recovery and dynamic recrystallization on coarsening of Nb(CN) in Nb microalloyed steel. *Metal Science*, **1982**, 16, 97-104		15
28	Equivalent strain in large deformation torsion testing : Theoretical and practical considerations. *Journal of the Mechanics and Physics of Solids*, **1982**, 30, 75-90	5	109
27	Precipitation kinetics and solute strengthening in high temperature austenites containing Al and N. *Acta Metallurgica*, **1981**, 29, 513-526		25
26	Dynamic precipitation and solute hardening in A V microalloyed steel and two Nb steels containing high levels of Mn. *Acta Metallurgica*, **1981**, 29, 111-121		145
25	High-temperature flow and aging behaviour of oxygen-enriched Zircaloy-2 and Zr-2-5 Nb. *Metal Science*, **1981**, 15, 30-38		13
24	Kinetics of recovery and recrystallization in polycrystalline copper. *Acta Metallurgica*, **1980**, 28, 729-743		57
23	The development of strain-rate gradients. *Acta Metallurgica*, **1979**, 27, 419-432		88
22	Recovery and recrystallization of polycrystalline copper after hot working. *Acta Metallurgica*, **1979**, 27, 1633-1648		89
21	The onset of flow localization in tensile samples containing geometric and metallurgical defects. *Scripta Metallurgica*, **1978**, 12, 565-570		25
20	The onset of plastic instability in tensile samples containing deformation defects. *Scripta Metallurgica*, **1978**, 12, 393-397		20
19	Hot compression behaviour of thermo-mechanically processed alpha zirconium. *Metals Technology*, **1977**, 4, 462-468		6

18	Effect of crack and cavity generation on tensile stability. *Acta Metallurgica*, **1977**, 25, 43-50		71
17	Plastic stability in tension and compression. *Acta Metallurgica*, **1976**, 24, 911-918		169
16	Thermally activated flow of H.C.P. metals at low temperatures. *Physica Status Solidi A*, **1976**, 33, 173-187		14
15	Superplastic behaviour of two-phase Cu-P alloys. *Acta Metallurgica*, **1976**, 24, 687-694		30
14	Constant true strain rate apparatus for use with Instron testing machines. *Journal of Physics E: Scientific Instruments*, **1974**, 7, 862-864		25
13	The deformation of armco iron and silicon steel in the vicinitl of the curie temperature. *Acta Metallurgica*, **1974**, 22, 1235-1247		21
12	The calculation of activation parameters for stress and temperature dependent obstacle spacings. *Scripta Metallurgica*, **1973**, 7, 1131-1135		4
11	Substructure strengthening in zirconium and zirconium-tin alloys. *Journal of Nuclear Materials*, **1972**, 42, 73-85	3.3	46
10	The empirical power law and the activation parameters of high temperature flow. *Scripta Metallurgica*, **1971**, 5, 935-941		7
9	Flow stress and substructural change during the transient deformation of Armco iron and silicon steel. *Acta Metallurgica*, **1971**, 19, 1053-1061		50
8	The dissipation stress in obstacle- and drag-controlled glide. *Materials Science and Engineering*, **1970**, 6, 377-383		5
7	A model for high temperature deformation based on dislocation dynamics, rate theory and a periodic internal stress. *Acta Metallurgica*, **1970**, 18, 511-517		28
6	The back stress in high temperature deformation. *Acta Metallurgica*, **1969**, 17, 397-405		71
5	Deformation of ice under high internal shear stresses. *Canadian Journal of Earth Sciences*, **1969**, 6, 963-968	1.5	19
4	DEFORMATION OF ALUMINIUM AT HIGH TEMPERATURES AND STRAIN RATES. *Canadian Journal of Physics*, **1967**, 45, 1225-1234	1.1	115
3	Discussion of dynamic recovery during hot working. *Acta Metallurgica*, **1967**, 15, 586-588		12
2	An EBSD Study of the Misorientations Related to Dynamic Recrystallization in Mg AM30 Deformed At High Temperatures. *Ceramic Transactions*,577-584	0.1	1
1	Microstructure and Texture Development in Pipeline Steels157-186		2