Nobuhiro Tsuji

List of Publications by Citations

459 papers	19,036 citations	66 h-index	129 g-index
482 ext. papers	21,632 ext. citations	3 avg, IF	7 L-index

#	Paper	IF	Citations
459	Novel ultra-high straining process for bulk materials□development of the accumulative roll-bonding (ARB) process. *Acta Materialia*, **1999**, 47, 579-583	8.4	1705
458	Ultra-fine grained bulk aluminum produced by accumulative roll-bonding (ARB) process. *Scripta Materialia*, **1998**, 39, 1221-1227	5.6	1010
457	Strength and ductility of ultrafine grained aluminum and iron produced by ARB and annealing. *Scripta Materialia*, **2002**, 47, 893-899	5.6	945
456	Severe plastic deformation (SPD) processes for metals. *CIRP Annals - Manufacturing Technology*, **2008**, 57, 716-735	4.9	689
455	Crystallographic features of lath martensite in low-carbon steel. *Acta Materialia*, **2006**, 54, 1279-1288	8.4	603
454	Hardening by annealing and softening by deformation in nanostructured metals. *Science*, **2006**, 312, 249-51	33.3	528
453	ARB (Accumulative Roll-Bonding) and other new Techniques to Produce Bulk Ultrafine Grained Materials. *Advanced Engineering Materials*, **2003**, 5, 338-344	3.5	524
452	Ultra-fine grained bulk steel produced by accumulative roll-bonding (ARB) process. *Scripta Materialia*, **1999**, 40, 795-800	5.6	465
451	Strengthening mechanisms in nanostructured high-purity aluminium deformed to high strain and annealed. *Acta Materialia*, **2009**, 57, 4198-4208	8.4	409
450	Tensile properties and twinning behavior of high manganese austenitic steel with fine-grained structure. *Scripta Materialia*, **2008**, 59, 963-966	5.6	330
449	Friction stir welding of carbon steels. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 429, 50-57	5.3	322
448	Ultragrain refinement of plain low carbon steel by cold-rolling and annealing of martensite. *Acta Materialia*, **2002**, 50, 4177-4189	8.4	286
447	Role of shear strain in ultragrain refinement by accumulative roll-bonding (ARB) process. *Scripta Materialia*, **2002**, 46, 281-285	5.6	263
446	Microstructural evolution during accumulative roll-bonding of commercial purity aluminum. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2003**, 340, 265-271	5.3	227
445	Friction stir welding of a high carbon steel. *Scripta Materialia*, **2007**, 56, 637-640	5.6	224
444	Effect of redundant shear strain on microstructure and texture evolution during accumulative roll-bonding in ultralow carbon IF steel. *Acta Materialia*, **2007**, 55, 5873-5888	8.4	215
443	A new and simple process to obtain nano-structured bulk low-carbon steel with superior mechanical property. *Scripta Materialia*, **2002**, 46, 305-310	5.6	211

442	Ultrafine-Grained AlCoCrFeNi2.1 Eutectic High-Entropy Alloy. *Materials Research Letters*, **2016**, 4, 174-179	7.4	205
441	Bulk mechanical alloying of Cu–Ag and Cu/Zr two-phase microstructures by accumulative roll-bonding process. *Acta Materialia*, **2007**, 55, 2885-2895	8.4	201
440	Friction stress and Hall-Petch relationship in CoCrNi equi-atomic medium entropy alloy processed by severe plastic deformation and subsequent annealing. *Scripta Materialia*, **2017**, 134, 33-36	5.6	196
439	Heterostructured materials: superior properties from hetero-zone interaction. *Materials Research Letters*, **2021**, 9, 1-31	7.4	160
438	Microstructure and mechanical properties of commercial purity titanium severely deformed by ARB process. *Journal of Materials Science*, **2007**, 42, 1673-1681	4.3	150
437	Tailoring nanostructures and mechanical properties of AlCoCrFeNi2.1 eutectic high entropy alloy using thermo-mechanical processing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 675, 99-109	5.3	146
436	Nanoscale crystallographic analysis of ultrafine grained IF steel fabricated by ARB process. *Scripta Materialia*, **2002**, 47, 69-76	5.6	131
435	Toughness of Ultrafine Grained Ferritic Steels Fabricated by ARB and Annealing Process. *Materials Transactions*, **2004**, 45, 2272-2281	1.3	129
434	Quantification of annealed microstructures in ARB processed aluminum. *Acta Materialia*, **2006**, 54, 3055-3066	8.4	127
433	Simultaneous Strength-Ductility Enhancement of a Nano-Lamellar AlCoCrFeNi Eutectic High Entropy Alloy by Cryo-Rolling and Annealing. *Scientific Reports*, **2018**, 8, 3276	4.9	126
432	Elongation increase in ultra-fine grained Al–Fe–Si alloy sheets. *Acta Materialia*, **2005**, 53, 1737-1749	8.4	125
431	Crystallographic analysis of plate martensite in Fe–28.5 at.% Ni by FE-SEM/EBSD. *Materials Characterization*, **2005**, 54, 378-386	3.9	125
430	Ultrafine grained copper alloy sheets having both high strength and high electric conductivity. *Materials Letters*, **2009**, 63, 1757-1760	3.3	124
429	Microstructure homogeneity in various metallic materials heavily deformed by accumulative roll-bonding. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 423, 331-342	5.3	120
428	Analysis of the mechanical properties and deformation behavior of nanostructured commercially pure Al processed by equal channel angular pressing (ECAP). *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 473, 189-194	5.3	118
427	Managing Both Strength and Ductility in Ultrafine Grained Steels. *ISIJ International*, **2008**, 48, 1114-1121	1.7	115
426	Enhanced structural refinement by combining phase transformation and plastic deformation in steels. *Scripta Materialia*, **2009**, 60, 1044-1049	5.6	109
425	Friction stir welding of high carbon steel with excellent toughness and ductility. *Scripta Materialia*, **2010**, 63, 223-226	5.6	103

424	Fully recrystallized nanostructure fabricated without severe plastic deformation in high-Mn austenitic steel. *Scripta Materialia*, **2013**, 68, 813-816	5.6	99
423	Formation of nanocrystalline surface layers in various metallic materials by near surface severe plastic deformation. *Science and Technology of Advanced Materials*, **2004**, 5, 145-152	7.1	99
422	Friction stir welding of ultrafine grained Al alloy 1100 produced by accumulative roll-bonding. *Scripta Materialia*, **2004**, 50, 57-60	5.6	98
421	General Mechanism for the Synchronization of Electrochemical Oscillations and Self-Organized Dendrite Electrodeposition of Metals with Ordered 2D and 3D Microstructures. *Journal of Physical Chemistry C*, **2007**, 111, 1150-1160	3.8	95
420	Significant contribution of stacking faults to the strain hardening behavior of Cu-15%Al alloy with different grain sizes. *Scientific Reports*, **2015**, 5, 16707	4.9	94
419	Superplasticity of Ultra-Fine Grained Al–Mg Alloy Produced by Accumulative Roll-Bonding. *Materials Transactions, JIM*, **1999**, 40, 765-771		94
418	Dynamic recrystallization of ferrite in interstitial free steel. *Scripta Materialia*, **1997**, 37, 477-484	5.6	91
417	Effect of elemental combination on friction stress and Hall-Petch relationship in face-centered cubic high / medium entropy alloys. *Acta Materialia*, **2019**, 171, 201-215	8.4	89
416	Microstructure and texture through thickness of ultralow carbon IF steel sheet severely deformed by accumulative roll-bonding. *Science and Technology of Advanced Materials*, **2004**, 5, 163-172	7.1	89
415	Simultaneously enhanced strength and ductility of Mg-Zn-Zr-Ca alloy with fully recrystallized ultrafine grained structures. *Scripta Materialia*, **2017**, 131, 1-5	5.6	88
414	Structure and strength after large strain deformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 387-389, 191-194	5.3	86
413	A new route to fabricate ultrafine-grained structures in carbon steels without severe plastic deformation. *Scripta Materialia*, **2009**, 60, 76-79	5.6	84
412	Effect of rolling reduction on ultrafine grained structure and mechanical properties of low-carbon steel thermomechanically processed from martensite starting structure. *Science and Technology of Advanced Materials*, **2004**, 5, 153-162	7.1	84
411	Microstructural change of ultrafine-grained aluminum during high-speed plastic deformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2003**, 350, 108-116	5.3	81
410	Effect of strain rate on hydrogen embrittlement in low-carbon martensitic steel. *International Journal of Hydrogen Energy*, **2017**, 42, 3371-3379	6.7	80
409	Transformation in Stir Zone of Friction Stir Welded Carbon Steels with Different Carbon Contents. *ISIJ International*, **2007**, 47, 299-306	1.7	80
408	Plastic flow, structure and mechanical properties in pure Al deformed by twist extrusion. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 519, 105-111	5.3	79
407	Revealing the deformation mechanisms of CuAl alloys with high strength and good ductility. *Acta Materialia*, **2016**, 110, 61-72	8.4	79

406	Remarkable transitions of yield behavior and Lüders deformation in pure Cu by changing grain sizes. *Scripta Materialia*, **2018**, 142, 88-91	5.6	78
405	Recrystallization Behavior of CoCrCuFeNi High-Entropy Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2015**, 46, 1481-1487	2.3	77
404	Effect of grain refinement on hydrogen embrittlement behaviors of high-Mn TWIP steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 651, 935-944	5.3	77
403	Plastic deformation and creep damage evaluations of type 316 austenitic stainless steels by EBSD. *Materials Characterization*, **2010**, 61, 913-922	3.9	77
402	Processing of nanostructured metals and alloys via plastic deformation. *MRS Bulletin*, **2010**, 35, 977-981	3.2	76
401	Friction Stir Welding of Ultrafine Grained Interstitial Free Steels. *Materials Transactions*, **2006**, 47, 239-242	1.3	76
400	Hot deformation behavior of CoCrFeMnNi FCC high entropy alloy. *Materials Chemistry and Physics*, **2018**, 210, 176-186	4.4	73
399	Microstructure quantification and correlation with flow stress of ultrafine grained commercially pure Al fabricated by equal channel angular pressing (ECAP). *Materials Characterization*, **2008**, 59, 1312-1323	3.9	71
398	Ultrafine Grained Steels. *Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan*, **2002**, 88, 359-369	0.5	71
397	Quantification of internal dislocation density using scanning transmission electron microscopy in ultrafine grained pure aluminium fabricated by severe plastic deformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 528, 776-779	5.3	69
396	Cold-rolling and recrystallization textures of a nano-lamellar AlCoCrFeNi2.1 eutectic high entropy alloy. *Intermetallics*, **2017**, 84, 42-51	3.5	68
395	Cold rolling and recrystallization textures of a Ni–5 at.% W alloy. *Acta Materialia*, **2009**, 57, 2166-2179	8.4	67
394	Role of strain reversal in grain refinement by severe plastic deformation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 499, 427-433	5.3	66
393	Microstructural and Crystallographic Features of Hydrogen-related Crack Propagation in Low Carbon Martensitic Steel. *ISIJ International*, **2012**, 52, 208-212	1.7	64
392	Change in electrical resistivity of commercial purity aluminium severely plastic deformed. *Philosophical Magazine*, **2010**, 90, 4475-4488	1.6	63
391	The phase stability of equiatomic CoCrFeMnNi high-entropy alloy: Comparison between experiment and calculation results. *Journal of Alloys and Compounds*, **2017**, 719, 189-193	5.7	62
390	Texture evolution in pure aluminum subjected to monotonous and reversal straining in high-pressure torsion. *Scripta Materialia*, **2009**, 60, 893-896	5.6	62
389	Yield strength and misfit volumes of NiCoCr and implications for short-range-order. *Nature Communications*, **2020**, 11, 2507	17.4	61

388	Microstructures and mechanical properties of bulk nanocrystalline Fe□Al□ alloys made by mechanically alloying with subsequent spark plasma sintering. *Science and Technology of Advanced Materials*, **2004**, 5, 133-143	7.1	60
387	A novel ultrafine-grained Fe 22Mn 0.6C TWIP steel with superior strength and ductility. *Materials Characterization*, **2017**, 126, 74-80	3.9	59
386	Deformation textures of AA8011 aluminum alloy sheets severely deformed by accumulative roll bonding. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2005**, 36, 3151-3163	2.3	57
385	Effect of low temperature on tensile properties of AlCoCrFeNi2.1 eutectic high entropy alloy. *Materials Chemistry and Physics*, **2018**, 210, 207-212	4.4	56
384	Yielding nature and Hall-Petch relationships in Ti-6Al-4V alloy with fully equiaxed and bimodal microstructures. *Scripta Materialia*, **2019**, 172, 77-82	5.6	56
383	Effect of aluminum addition on solid solution strengthening in CoCrNi medium-entropy alloy. *Journal of Alloys and Compounds*, **2019**, 781, 866-872	5.7	56
382	Flow stress analysis for determining the critical condition of dynamic ferrite transformation in 6Ni□.1C steel. *Acta Materialia*, **2013**, 61, 163-173	8.4	55
381	Anodic oxide nanotube layers on Ti□a alloys: Substrate composition, microstructure and self-organization on two-size scales. *Corrosion Science*, **2009**, 51, 1528-1533	6.8	55
380	Effect of SiC particles on the microstructure evolution and mechanical properties of aluminum during ARB process. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 540, 13-23	5.3	54
379	Unique deformation behavior and microstructure evolution in high temperature processing of HfNbTaTiZr refractory high entropy alloy. *Acta Materialia*, **2019**, 171, 132-145	8.4	53
378	Change in microstructures and mechanical properties during deep wire drawing of copper. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2010**, 527, 5699-5707	5.3	53
377	Mechanism of huge L□ders-type deformation in ultrafine grained austenitic stainless steel. *Scripta Materialia*, **2019**, 159, 28-32	5.6	51
376	Increasing the ductility of ultrafine-grained copper alloy by introducing fine precipitates. *Scripta Materialia*, **2009**, 60, 590-593	5.6	50
375	Effect of initial grain size on the joint properties of friction stir welded aluminum. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 527, 317-321	5.3	50
374	Aging behavior of ultrafine grained Al□ wt%Cu alloy severely deformed by accumulative roll bonding. *Science and Technology of Advanced Materials*, **2004**, 5, 173-180	7.1	50
373	Yielding Behavior and Its Effect on Uniform Elongation of Fine Grained IF Steel. *Materials Transactions*, **2014**, 55, 73-77	1.3	49
372	Change in Microstructure and Mechanical Properties of Ultra-Fine Grained Aluminum during Annealing. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2000**, 64, 429-437	0.4	48
371	Change in Mechanical Properties and Microstructure of ARB Processed Ti during Annealing. *Materials Transactions*, **2008**, 49, 41-46	1.3	46

370	Microstructure Evolution in Pure Al Processed with Twist Extrusion. *Materials Transactions*, **2009**, 50, 96-100	1.3	45
369	Transition of dominant deformation mode in bulk polycrystalline pure Mg by ultra-grain refinement down to sub-micrometer. *Acta Materialia*, **2020**, 198, 35-46	8.4	45
368	Effect of Initial Orientation on the Recrystallization Behavior of Solidified Columnar Crystals in a 19% Cr Ferritic Stainless Steel.. *ISIJ International*, **1993**, 33, 783-792	1.7	44
367	Synergistic effect by Al addition in improving mechanical performance of CoCrNi medium-entropy alloy. *Journal of Alloys and Compounds*, **2019**, 800, 372-378	5.7	43
366	Characterization of Hydrogen-Related Fracture Behavior in As-Quenched Low-Carbon Martensitic Steel and Tempered Medium-Carbon Martensitic Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2015**, 46, 5685-5696	2.3	43
365	Unique high-temperature deformation dominated by grain boundary sliding in heterogeneous necklace structure formed by dynamic recrystallization in HfNbTaTiZr BCC refractory high entropy alloy. *Acta Materialia*, **2020**, 183, 64-77	8.4	43
364	Formability of ultrafine-grained interstitial-free steel fabricated by accumulative roll-bonding and subsequent annealing. *Scripta Materialia*, **2011**, 65, 175-178	5.6	42
363	Post-uniform elongation and tensile fracture mechanisms of Fe-18Mn-0.6C-xAl twinning-induced plasticity steels. *Acta Materialia*, **2017**, 131, 435-444	8.4	41
362	Mechanical properties of fully martensite microstructure in Ti-6Al-4V alloy transformed from refined beta grains obtained by rapid heat treatment (RHT). *Scripta Materialia*, **2017**, 138, 66-70	5.6	41
361	Occurrence of Dynamic Recrystallization in Ferritic Iron. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1998**, 62, 967-976	0.4	40
360	Evaluation of Dislocation Density for 1100 Aluminum with Different Grain Size during Tensile Deformation by Using In-Situ X-ray Diffraction Technique. *Materials Transactions*, **2015**, 56, 671-678	1.3	39
359	Effect of Initial Orientation on the Cold Rolling Behavior of Solidified Columnar Crystals in a 19%Cr Ferritic Stainles Steel.. *ISIJ International*, **1992**, 32, 1319-1328	1.7	39
358	Nanostructuring with Structural-Compositional Dual Heterogeneities Enhances Strength-Ductility Synergy in Eutectic High Entropy Alloy. *Scientific Reports*, **2019**, 9, 11505	4.9	38
357	Yielding behavior and its effect on uniform elongation in IF steel with various grain sizes. *Journal of Materials Science*, **2014**, 49, 6536-6542	4.3	38
356	Through-Thickness Characterization of Microstructure and Texture in High Purity Aluminum Processed to High Strain by Accumulative Roll-Bonding. *Materials Transactions*, **2007**, 48, 1978-1985	1.3	38
355	Cu/Zr nanoscaled multi-stacks fabricated by accumulative roll bonding. *Journal of Alloys and Compounds*, **2010**, 504, S443-S447	5.7	37
354	Temperature and Strain Rate Dependence of Flow Stress in Severely Deformed Copper by Accumulative Roll Bonding. *Materials Transactions*, **2009**, 50, 64-69	1.3	36
353	Change in Microstructure and Texture during Annealing of Pure Copper Heavily Deformed by Accumulative Roll Bonding. *Materials Transactions*, **2007**, 48, 2043-2048	1.3	36

352	Martensite transformation from ultrafine grained austenite in Fe□8.5at.% Ni. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 438-440, 233-236	5.3	36
351	Combination of dynamic transformation and dynamic recrystallization for realizing ultrafine-grained steels with superior mechanical properties. *Scientific Reports*, **2016**, 6, 39127	4.9	36
350	Factors determining room temperature mechanical properties of bimodal microstructures in Ti-6Al-4V alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 730, 217-222	5.3	34
349	Low Temperature Superplasticity of Ultra-Fine Grained 5083 Aluminium Alloy Produced by Accumulative Roll-Bonding. *Materials Science Forum*, **1999**, 304-306, 73-78	0.4	33
348	Effects of Rolling Reduction and Annealing Temperature on the Recrystallization Structure of Solidified Columnar Crystals in a 19% Cr Ferritic Stainless Steel.. *ISIJ International*, **1994**, 34, 1008-1017	1.7	33
347	Engineering heterogeneous microstructure by severe warm-rolling for enhancing strength-ductility synergy in eutectic high entropy alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 764, 138226	5.3	32
346	Enhanced Strength and Ductility in an Ultrafine-Grained Fe-22Mn-0.6C Austenitic Steel Having Fully Recrystallized Structure. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2014**, 45, 5300-5304	2.3	32
345	Synthesis of non-equilibrium phases in immiscible metals mechanically mixed by high pressure torsion. *Journal of Materials Science*, **2011**, 46, 4296-4301	4.3	32
344	Fabrication of CuZr(Al) bulk metallic glasses by high pressure torsion. *Intermetallics*, **2009**, 17, 256-261	3.5	32
343	Bi-lamellar microstructure in Ti□Al□V: Microstructure evolution and mechanical properties. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2019**, 762, 138077	5.3	31
342	Novel thermomechanical processing methods for achieving ultragrain refinement of low-carbon steel without heavy plastic deformation. *Materials Research Letters*, **2017**, 5, 61-68	7.4	31
341	Effect of Boron Addition on the Microstructure of Hot-deformed Ti-added Interstitial Free Steel.. *ISIJ International*, **1997**, 37, 797-806	1.7	31
340	Ultrafine grained structure and improved mechanical properties of low temperature friction stir spot welded 6061-T6 Al alloys. *Materials Characterization*, **2018**, 135, 124-133	3.9	30
339	Metallurgical aspects on the formation of self-organized anodic oxide nanotube layers. *Electrochimica Acta*, **2009**, 54, 5155-5162	6.7	30
338	Quantification of strain in accumulative roll-bonding under unlubricated condition by finite element analysis. *Computational Materials Science*, **2009**, 46, 261-266	3.2	30
337	Mechanical properties of ultrafine grained ferritic steel sheets fabricated by rolling and annealing of duplex microstructure. *Journal of Materials Science*, **2008**, 43, 7391-7396	4.3	30
336	Microstructural Evolution during ARB Process of Al–0.2 mass% Sc Alloy Containing Al3Sc Precipitates in Starting Structures. *Materials Transactions*, **2012**, 53, 72-80	1.3	29
335	Two-stage Hall-Petch relationship in Cu with recrystallized structure. *Journal of Materials Science and Technology*, **2020**, 48, 31-35	9.1	28

334	Occurrence of dynamic ferrite transformation in low-carbon steel above Ae3. *Scripta Materialia*, **2013**, 68, 538-541	5.6	28
333	Unique Mechanical Properties of Nanostructured Metals. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 3765-3770	1.3	28
332	Microstructural and crystallographic features of hydrogen-related fracture in lath martensitic steels. *Materials Science and Technology*, **2017**, 33, 1524-1532	1.5	27
331	Strategy for managing both high strength and large ductility in structural materials: sequential nucleation of different deformation modes based on a concept of plaston. *Scripta Materialia*, **2020**, 181, 35-42	5.6	27
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329	Strengthening of Sheath-Rolled Aluminum Based MMC by the ARB Process. *Materials Transactions, JIM*, **1999**, 40, 1422-1428		27
328	High damping capacity of ultra-fine grained aluminum produced by accumulative roll bonding. *Journal of Alloys and Compounds*, **2003**, 355, 47-51	5.7	26
327	Nanomaterials by severe plastic deformation: review of historical developments and recent advances. *Materials Research Letters*, **2022**, 10, 163-256	7.4	26
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325	Dynamic deformation behavior of ultrafine-grained iron produced by ultrahigh strain deformation and annealing. *Scripta Materialia*, **2011**, 64, 896-899	5.6	24
324	Effect of initial microstructure on ultrafine grain formation through warm deformation in medium-carbon steels. *Scripta Materialia*, **2011**, 65, 404-407	5.6	24
323	Critical strain for mechanical alloying of Cu–Ag, Cu–Ni and Cu–Zr by high-pressure torsion. *Scripta Materialia*, **2011**, 65, 489-492	5.6	24
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321	Microstructure and Mechanical Properties of Co21Cr22Cu22Fe21Ni14 Processed by High Pressure Torsion and Annealing. *Jom*, **2015**, 67, 2303-2309	2.1	23
320	Formation Mechanism of Ultrafine Grained Microstructures: Various Possibilities for Fabricating Bulk Nanostructured Metals and Alloys. *Materials Transactions*, **2019**, 60, 1518-1532	1.3	23
319	Variant selection of martensite transformation from ultrafine-grained austenite in Fe–Ni–C alloy. *Journal of Alloys and Compounds*, **2013**, 577, S668-S672	5.7	23
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317	Microstructure and Crystallographic Features of Martensite Transformed from Ultrafine-Grained Austenite in Fe–24Ni–0.3C Alloy. *Materials Transactions*, **2012**, 53, 81-86	1.3	23

316	Grain Boundary Structure of Ultrafine Grained Pure Copper Fabricated by Accumulative Roll Bonding. *Materials Transactions*, **2008**, 49, 24-30	1.3	23
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314	On the strain hardening abilities of □□titanium alloys: The roles of strain partitioning and interface length density. *Journal of Alloys and Compounds*, **2019**, 811, 152040	5.7	22
313	Correlation between Continuous/Discontinuous Yielding and Hall–Petch Slope in High Purity Iron. *Materials Transactions*, **2014**, 55, 69-72	1.3	22
312	Formation of bimodal grain structures in high purity Al by reversal high pressure torsion. *Scripta Materialia*, **2011**, 64, 498-501	5.6	22
311	Texture Evolution in Al–0.2 mass%Sc Alloy during ARB Process and Subsequent Annealing. *Materials Transactions*, **2012**, 53, 1863-1869	1.3	22
310	Effect of strain on □ardening by annealing and softening by deformation□phenomena in ultra-fine grained aluminum. *Journal of Materials Science*, **2008**, 43, 7331-7337	4.3	22
309	Annealing Behavior and Recrystallized Texture in ARB Processed Copper. *Materials Science Forum*, **2006**, 503-504, 919-924	0.4	22
308	Effect of Strain on Deformation Microstructure and Subsequent Annealing Behavior of IF Steel Heavily Deformed by ARB Process. *Materials Science Forum*, **2004**, 467-470, 341-348	0.4	22
307	Influence of Tempering on Mechanical Properties of Ferrite and Martensite Dual Phase Steel. *Materials Today: Proceedings*, **2015**, 2, S667-S671	1.4	21
306	Microstructure and mechanical properties of spot friction stir welded ultrafine grained 1050 Al and conventional grained 6061-T6 Al alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 585, 17-24	5.3	21
305	Fatigue Crack Propagation Behavior in Commercial Purity Ti Severely Deformed by Accumulative Roll Bonding Process. *Materials Transactions*, **2008**, 49, 64-68	1.3	21
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302	Nature of dynamic ferrite transformation revealed by in-situ neutron diffraction analysis during thermomechanical processing. *Scripta Materialia*, **2019**, 165, 44-49	5.6	20
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15	Strength and Ductility of Ultrafine Grained ZKX600 Mg Alloy **2016**, 245-250	
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10	Aging Behavior of Ultrafine Grained Commercial Al-Mg-Si Alloy Severely Deformed by ARB Process **2013**, 3259-3264	
9	Characteristics of Deformation Induced Martensite in SUS304 Austenitic Stainless Steel Deformed at RT and 80°C **2013**, 563-569	
8	Martensitic Transformation from Nanocrystalline Austenite in Fe-Ni Alloys Fabricated by Electrodeposition **2013**, 3315-3322	
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