

Ruslan Z Valiev

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9259644/ruslan-z-valiev-publications-by-year.pdf>

Version: 2024-04-18

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

851
papers

44,653
citations

95
h-index

193
g-index

877
ext. papers

48,129
ext. citations

3.5
avg, IF

7.7
L-index

#	Paper	IF	Citations
851	Annealing treatments to enhance thermal and mechanical stability of ultrafine-grained metals produced by severe plastic deformation. <i>International Journal of Materials Research</i> , 2022 , 94, 1079-1083	0.5	1
850	Dislocation structure and crystallite size distribution in plastically deformed Ti determined by X-ray peak profile analysis. <i>International Journal of Materials Research</i> , 2022 , 94, 1185-1188	0.5	
849	Severe Plastic Deformation and Phase Transformations in High Entropy Alloys: A Review. <i>Crystals</i> , 2022 , 12, 54	2.3	2
848	Room-temperature-deformation-induced chemical short-range ordering in a supersaturated ultrafine-grained Al-Zn alloy. <i>Scripta Materialia</i> , 2022 , 210, 114423	5.6	0
847	Hyaluronic acid bisphosphonates as antifouling antimicrobial coatings for PEO-modified titanium implants. <i>Surfaces and Interfaces</i> , 2022 , 28, 101678	4.1	1
846	Fracture locus characteristics of Al alloy 5083 processed by equal channel angular pressing using miniaturized specimens. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161675	5.7	2
845	Nanomaterials by severe plastic deformation: review of historical developments and recent advances. <i>Materials Research Letters</i> , 2022 , 10, 163-256	7.4	26
844	Enhanced Erosion Resistance of an Ultrafine-Grained Ti Alloy with a PVD Coating. <i>Metals</i> , 2022 , 12, 818	2.3	
843	Cryogenic Impact Toughness of a Work Hardened Austenitic Stainless Steel. <i>Materialia</i> , 2022 , 101460	3.2	
842	The role of temperature in the microstructural evolution of HPT-processed NiTiHf high-temperature shape memory alloy. <i>Materials Letters</i> , 2022 , 322, 132484	3.3	
841	Strength and fracture mechanism during torsion of ultrafine-grained austenitic steel for medical applications. <i>Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya</i> , 2021 , 64, 832-838	0.4	
840	Local State of Stress of the Material at the Crack Tip for Various Types of Loading. <i>Russian Metallurgy (Metally)</i> , 2021 , 2021, 1177-1182	0.5	0
839	Tailoring Extra-Strength of a TWIP Steel by Combination of Multi-Pass Equal-Channel Angular Pressing and Warm Rolling. <i>Metals</i> , 2021 , 11, 518	2.3	5
838	Commercialization of bulk nanostructured metals and alloys. <i>MRS Bulletin</i> , 2021 , 46, 265-272	3.2	6
837	Large and Severe Plastic Deformation of Metals: Similarities and Differences in Flow Mechanics and Structure Formation. <i>Advanced Engineering Materials</i> , 2021 , 23, 2100110	3.5	1
836	Advanced Materials for Mechanical Engineering: Ultrafine-Grained Alloys with Multilayer Coatings. <i>Advanced Engineering Materials</i> , 2021 , 23, 2100145	3.5	6
835	Enhanced tensile strength and ductility of bulk metallic glasses Zr _{52.5} Cu _{17.9} Al ₁₀ Ni _{14.6} Ti ₅ via high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 803, 140485	5.3	6

834	The effect of neutron irradiation on the impact toughness of austenitic stainless steel in ultrafine-grained state. <i>Journal of Nuclear Materials</i> , 2021 , 544, 152680	3.3	2
833	Effect of multiple forging and annealing on microstructure and mechanical properties of a high-manganese steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012008	0.4	
832	Development of nanostructured titanium implants for biomedical implants A short review. <i>Materials Today: Proceedings</i> , 2021 , 46, 1195-1200	1.4	4
831	Unveiling the Local Atomic Arrangements in the Shear Band Regions of Metallic Glass. <i>Advanced Materials</i> , 2021 , 33, e2007267	2.4	11
830	Low temperature super ductility and threshold stress of an ultrafine-grained Al ₇₀ Mg ₃₀ alloy processed by equal-channel angular pressing. <i>Journal of Materials Science</i> , 2021 , 56, 19244	4.3	
829	Study of second phase precipitates in nanostructured commercially pure titanium. <i>Letters on Materials</i> , 2021 , 11, 345-350	0.9	0
828	Ultralow-temperature superplasticity and its novel mechanism in ultrafine-grained Al alloys. <i>Materials Research Letters</i> , 2021 , 9, 475-482	7.4	2
827	Strength and torsion fracture mechanism of commercially pure titanium with ultrafine-grained structure. <i>Letters on Materials</i> , 2021 , 11, 273-278	0.9	2
826	Microstructural evolution and mechanical properties of nanocrystalline FeMnAlC steel processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 827, 142073	5.3	1
825	Mechanical properties of UFG titanium: Notched fatigue and impact toughness. <i>Materials Letters</i> , 2021 , 302, 130366	3.3	1
824	Enhanced service properties of a protective coating on a titanium alloy with an ultrafine-grained structure. <i>Materials Letters</i> , 2021 , 305, 130781	3.3	1
823	Determination of static fracture toughness of coarse-grained and ultrafine-grained materials by the depth of the plastic zone under the fractures surface. <i>Letters on Materials</i> , 2021 , 11, 45-49	0.9	
822	Strength and Fracture Mechanism during Torsion of Ultrafine-Grained Austenitic Steel for Medical Applications. <i>Steel in Translation</i> , 2021 , 51, 778-782	0.4	1
821	Microstructural Changes and Strengthening of Austenitic Stainless Steels during Rolling at 473 K. <i>Metals</i> , 2020 , 10, 1614	2.3	9
820	Architecture and Increased Adhesive Strength of Vacuum-Plasma Coating on Ultrafine-Grained Titanium Alloy. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000121	3.5	3
819	Developing Nanostructured Ti Alloys for Innovative Implantable Medical Devices. <i>Materials</i> , 2020 , 13,	3.5	16
818	Nanostructured FeCrW Steel Exhibits Enhanced Resistance to Self-Ion Irradiation. <i>Advanced Engineering Materials</i> , 2020 , 22, 1901333	3.5	1
817	Annealing behavior in a high-pressure torsion-processed FeCr steel. <i>Journal of Materials Science</i> , 2020 , 55, 7958-7968	4.3	3

816	In vitro and in vivo studies on pure Mg, Mg-Ca and Mg-Sr alloys processed by equal channel angular pressing. <i>Nano Materials Science</i> , 2020 , 2, 96-108	10.2	8
815	Kinetics and the fracture mechanism in low-cycle fatigue range and static crack resistance of the Mg6Al magnesium alloy after annealing and equal channel angular pressing. <i>Letters on Materials</i> , 2020 , 10, 398-403	0.9	2
814	Local stress state of materials with an hcp lattice and plastic zones under the fracture surface. <i>Letters on Materials</i> , 2020 , 10, 16-21	0.9	2
813	Nanostructured Ti29.7Ni50.3Hf20 high temperature shape memory alloy processed by high-pressure torsion. <i>Journal of Materials Science and Technology</i> , 2020 , 52, 218-225	9.1	12
812	Consolidation of the Amorphous Zr50Cu50 Ribbons by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900694	3.5	4
811	Accumulative HPT of Zr-based bulk metallic glasses. <i>Materials Letters</i> , 2020 , 261, 127000	3.3	14
810	Discontinuous grain growth in an equal-channel angular pressing processed Fe-9Cr steel with a heterogeneous microstructure. <i>Materials Characterization</i> , 2020 , 159, 110004	3.9	6
809	Biofunctionalization of PEO coatings on titanium implants with inorganic and organic substances. <i>Surface and Coatings Technology</i> , 2020 , 404, 126486	4.4	12
808	Impact of Equal Channel Angular Pressing on Mechanical Behavior and Corrosion Resistance of Hot-Rolled Ti-2Fe-0.1B Alloy. <i>Materials</i> , 2020 , 13,	3.5	3
807	In vitro and in vivo studies on ultrafine-grained biodegradable pure Mg, Mg-Ca alloy and Mg-Sr alloy processed by high-pressure torsion. <i>Biomaterials Science</i> , 2020 , 8, 5071-5087	7.4	13
806	Enhanced Resistance to Irradiation Induced Ferritic Transformation in Nanostructured Austenitic Steels. <i>Materialia</i> , 2020 , 13, 100806	3.2	3
805	Evolution of microstructure and hardness during artificial aging of an ultrafine-grained Al-Zn-Mg-Zr alloy processed by high pressure torsion. <i>Journal of Materials Science</i> , 2020 , 55, 16791-16805	4.3	9
804	Influence of ultra-fine grain structure on corrosion behaviour of biodegradable Mg-1Ca alloy. <i>Corrosion Science</i> , 2020 , 163, 108303	6.8	34
803	Superplasticity and High Strength in AlZnMgZr Alloy with Ultrafine Grains. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900555	3.5	4
802	Characterizing Microstructural and Mechanical Properties of AlZn Alloys Processed by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900672	3.5	5
801	The effects of ultra-fine-grained structure and cryogenic temperature on adiabatic shear localization in titanium. <i>Acta Materialia</i> , 2019 , 181, 408-422	8.4	18
800	Influence of fine scale features on room temperature superplastic behaviour of an ultrafine-grained Al-30Zn alloy. <i>Materials Letters</i> , 2019 , 254, 329-331	3.3	2
799	A possible stabilizing effect of work hardening on the tensile performance of superplastic materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 759, 448-454	5.3	5

798	The effect of hardening by annealing in ultrafine-grained Al0.4Zr alloy: influence of Zr microadditives. <i>Philosophical Magazine</i> , 2019 , 99, 2424-2443	1.6	11
797	Observation of shear bands in the Vitreloy metallic glass subjected to HPT processing. <i>Journal of Alloys and Compounds</i> , 2019 , 800, 58-63	5.7	22
796	Severe plastic deformation assisted carbide precipitation in Fe-21Cr-5Al alloy. <i>Materials Letters</i> , 2019 , 253, 78-81	3.3	2
795	Strain Accumulated during Equal-Channel Angular Pressing and Its Components. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 281-288	0.5	5
794	Nanocrystalline Ti49.2Ni50.8 shape memory alloy as orthopaedic implant material with better performance. <i>Journal of Materials Science and Technology</i> , 2019 , 35, 2156-2162	9.1	14
793	EBSD analysis of grain-refinement mechanisms operating during equal-channel angular pressing of commercial-purity titanium. <i>Acta Materialia</i> , 2019 , 173, 174-183	8.4	31
792	Effect of the eutectic Al-(Ce,La) phase morphology on microstructure, mechanical properties, electrical conductivity and heat resistance of Al-4.5(Ce,La) alloy after SPD and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2019 , 796, 321-330	5.7	20
791	The Impact of Severe Plastic Deformation on the Microstructure and Physicomechanical Properties of Al0.4Zr. <i>Inorganic Materials: Applied Research</i> , 2019 , 10, 5-11	0.6	
790	Biological response of chemically treated surface of the ultrafine-grained Ti-6Al-7Nb alloy for biomedical applications. <i>International Journal of Nanomedicine</i> , 2019 , 14, 1725-1736	7.3	9
789	Strengthening mechanisms in an ultrafine-grained AlZnMgCu alloy processed by high pressure torsion at different temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 752, 223-232	5.3	21
788	High-pressure torsion assisted segregation and precipitation in a Fe-18Cr-8Ni austenitic stainless steel. <i>Materials Letters</i> , 2019 , 243, 116-119	3.3	7
787	Strength enhancement induced by grain boundary solute segregations in ultrafine-grained alloys. <i>International Journal of Plasticity</i> , 2019 , 123, 133-144	7.6	12
786	Developing Nanostructured Metals for Manufacturing of Medical Implants with Improved Design and Biofunctionality. <i>Materials Transactions</i> , 2019 , 60, 1356-1366	1.3	17
785	Influence of Ultrafine-Grained Structure on the Kinetics and Fatigue Failure Mechanism of VT6 Titanium Alloy. <i>Russian Journal of Non-Ferrous Metals</i> , 2019 , 60, 253-258	0.8	3
784	Corrosion resistance of steels with ultrafine grained structure in hydrogen sulfide environment. <i>Letters on Materials</i> , 2019 , 9, 282-287	0.9	1
783	Effects of grain refinement by HPT processing in carbon steel with various cementite morphology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 672, 012026	0.4	1
782	Structural features and mechanical properties of Grade 4 titanium from VSMPO-AVISMA (Russia) and Grade 4 titanium from Carpenter Technology Corporation (USA), subjected to ECAP-Conform. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 672, 012016	0.4	
781	Microstructure and mechanical properties of the MgZnCa biodegradable alloy after severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 672, 012030	0.4	3

780	Surface modification of CP-Ti metallic implant material by plasma electrolytic oxidation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 672, 012012	0.4	3
779	High strength and high conductive copper-based alloy produced by SPD for contact wires for high speed railway lines - A short review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 672, 012055	0.4	
778	Correlation between strain-rate sensitivity and viscous properties derived from dynamic nanoindentation of ultrafine-grained AlZn alloys. <i>MRS Communications</i> , 2019 , 9, 310-314	2.7	2
777	Effect of annealing on microstructure, strength and electrical conductivity of the pre-aged and HPT-processed Al-0.4Zr alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 41-48	5.7	18
776	Charpy absorbed energy of ultrafine-grained Ti-6Al-4V alloy at cryogenic and elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 743, 581-589	5.3	13
775	Surface functionalization via PEO coating and RGD peptide for nanostructured titanium implants and their in vitro assessment. <i>Surface and Coatings Technology</i> , 2019 , 357, 669-683	4.4	17
774	Annealing behavior of severely-deformed titanium Grade 4. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 742, 89-101	5.3	13
773	High-pressure torsion and equal-channel angular pressing 2019 , 3-19		2
772	Combined processing ECAP + TMP 2019 , 21-35		0
771	Strengthening mechanisms and super-strength of severely deformed titanium 2019 , 123-143		1
770	Dynamic precipitation, segregation and strengthening of an Al-Zn-Mg-Cu alloy (AA7075) processed by high-pressure torsion. <i>Acta Materialia</i> , 2019 , 162, 19-32	8.4	102
769	Effect of Mg on microstructure and mechanical properties of Al-Mg alloys produced by high pressure torsion. <i>Scripta Materialia</i> , 2019 , 159, 137-141	5.6	53
768	Superplastic Behavior at Lower Temperatures of High-Strength Ultrafine-Grained Al Alloy 7475. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800094	3.5	6
767	Enhancement of mechanical and electrical properties of Al-RE alloys by optimizing rare-earth concentration and thermo-mechanical treatment. <i>Journal of Alloys and Compounds</i> , 2018 , 745, 696-704	5.7	35
766	Enhanced strain rate sensitivity of Zr-based bulk metallic glasses subjected to high pressure torsion. <i>Journal of Alloys and Compounds</i> , 2018 , 747, 595-602	5.7	32
765	Psoriasis patients demonstrate HLA-Cw*06:02 allele dosage-dependent T cell proliferation when treated with hair follicle-derived keratin 17 protein. <i>Scientific Reports</i> , 2018 , 8, 6098	4.9	16
764	Review on superior strength and enhanced ductility of metallic nanomaterials. <i>Progress in Materials Science</i> , 2018 , 94, 462-540	42.2	404
763	Strength and Fracture Mechanisms of Nanostructured Metallic Materials Under Single Kinds of Loading. <i>Metal Science and Heat Treatment</i> , 2018 , 59, 597-605	0.6	1

762	Fracture toughness at cryogenic temperatures of ultrafine-grained Ti-6Al-4V alloy processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 716, 260-267	5.3	31
761	Impact Toughness of Ultrafine-Grained Commercially Pure Titanium for Medical Application. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700863	3.5	8
760	Transition from poor ductility to room-temperature superplasticity in a nanostructured aluminum alloy. <i>Scientific Reports</i> , 2018 , 8, 6740	4.9	37
759	Cluster structure in amorphous Ti-Ni-Cu alloys subjected to high-pressure torsion deformation. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 612-619	5.7	10
758	Microstructure, Texture and Mechanical Properties of Titanium Grade 2 Processed by ECAP (Route C). <i>Metals and Materials International</i> , 2018 , 24, 802-814	2.4	4
757	Superior Strength and Multiple Strengthening Mechanisms in Nanocrystalline TWIP Steel. <i>Scientific Reports</i> , 2018 , 8, 11200	4.9	32
756	Atomic Force Microscopy Studies of Severely Deformed Amorphous TiNiCu Alloy. <i>Defect and Diffusion Forum</i> , 2018 , 385, 200-205	0.7	1
755	Improved osseointegration properties of hierarchical microtopographic/nanotopographic coatings fabricated on titanium implants. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2175-2188	7.3	10
754	Enhanced Osseointegrative Properties of Ultra-Fine-Grained Titanium Implants Modified by Chemical Etching and Atomic Layer Deposition. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3268-3281	5.5	21
753	Peculiarities of Interactions of Alloying Elements with Grain Boundaries and the Formation of Segregations in AlMg and AlZn Alloys. <i>Physics of Metals and Metallography</i> , 2018 , 119, 607-612	1.2	7
752	Multiple Shear Bands in Zr-Based Bulk Metallic Glass Processed by Severe Plastic Deformation. <i>Defect and Diffusion Forum</i> , 2018 , 385, 319-324	0.7	3
751	Molybdenum Disulfide Surface Modification of Ultrafine-Grained Titanium for Enhanced Cellular Growth and Antibacterial Effect. <i>Scientific Reports</i> , 2018 , 8, 9907	4.9	11
750	The influence of the microstructure morphology of two phase Ti-6Al-4V alloy on the mechanical properties of diffusion bonded joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 726, 251-258	5.3	7
749	Phase Transformations, Strength, and Modulus of Elasticity of Ti-5Mo Alloy Obtained by High-Pressure Torsion. <i>Inorganic Materials: Applied Research</i> , 2018 , 9, 14-20	0.6	2
748	Nanostructured commercially pure titanium for development of miniaturized biomedical implants 2018 , 393-417		8
747	Influence of microstructure on thermal stability of ultrafine-grained Cu processed by equal channel angular pressing. <i>Journal of Materials Science</i> , 2018 , 53, 13173-13185	4.3	22
746	Full-scale use of X-ray scattering techniques to characterize aged Al-2wt.%Cu alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1792-1798	5.7	6
745	Diffusive and displacive phase transitions in TiBe and TiCo alloys under high pressure torsion. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 2281-2286	5.7	26

744	Stability of the structure and properties of an ultrafine-grained Cr-Ni steel irradiated with neutrons in nuclear reactor core conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 712, 365-372	5.3	9
743	Optimization of Strength-Electrical Conductivity Properties in Al ₃ Fe Alloy by Severe Plastic Deformation and Heat Treatment. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700867	3.5	13
742	Hardening by Annealing and Implementation of High Ductility of Ultra-Fine Grained Aluminum: Experiment and Theory. <i>Reviews on Advanced Materials Science</i> , 2018 , 57, 224-240	4.8	17
741	Studies on the Superplasticity Effect in UFA: History and Development (In Memory of Prof. O.A. Kaibyshev). <i>Reviews on Advanced Materials Science</i> , 2018 , 54, 14-24	4.8	2
740	Microstructure, mechanical and corrosion properties of ultrafine-grained Mg-2%Sr alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 380, 012014	0.4	2
739	Influence of additional severe plastic deformation at elevated temperatures on microstructure and physical-mechanical properties of ultrafine grained Al-0.4Zr alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 447, 012027	0.4	
738	High pressure torsion induced structural transformations in Ti- and Zr-based amorphous alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 447, 012052	0.4	3
737	Ultra-fine grained E-type TNZT ELI alloy with high strength and low elastic modulus. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 461, 012077	0.4	3
736	Influence of Severe Plastic Deformation on Microstructure, Strength and Electrical Conductivity of Aged Al _{0.4} Zr(Wt.%) Alloy. <i>Reviews on Advanced Materials Science</i> , 2018 , 55, 92-101	4.8	17
735	Bulk nanostructured metals for advanced medical implants and devices. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 461, 012089	0.4	2
734	Low Temperature Superplasticity of High-Strength Ultrafine-Grained Al 7050 alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 461, 012090	0.4	0
733	Free volume measurement of severely deformed Zr ₆₂ Cu ₂₂ Al ₁₀ Fe ₅ Dy ₁ bulk metallic glass. <i>Journal of Physics: Conference Series</i> , 2018 , 1134, 012010	0.3	5
732	Enhancement of Mechanical and Electrical Properties in Al 6101 Alloy by Severe Shear Strain under Hydrostatic Pressure. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800695	3.5	2
731	The Strength and Fracture Mechanism of Unalloyed Medium-Carbon Steel with Ultrafine-Grained Structure under Single Loads. <i>Physics of Metals and Metallography</i> , 2018 , 119, 1004-1012	1.2	2
730	Modern techniques of surface geometry modification for the implants based on titanium and its alloys used for improvement of the biomedical characteristics 2018 , 115-145		1
729	Long-time stability of metals after severe plastic deformation: Softening and hardening by self-annealing versus thermal stability. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 729, 340-348	5.3	31
728	The effect of tungsten on microstructure and mechanical performance of an ultrafine Fe-Cr steel. <i>Materials Letters</i> , 2018 , 227, 292-295	3.3	8
727	Effect of self-ion irradiation on the microstructural changes of alloy EK-181 in annealed and severely deformed conditions. <i>Journal of Nuclear Materials</i> , 2017 , 487, 96-104	3.3	24

726	Paramagnetic susceptibility of the Zr 62 Cu 22 Al 10 Fe 5 Dy 1 metallic glass subjected to high-pressure torsion deformation. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 437, 67-71	2.8	4
725	Hardness, Electrical Conductivity and Thermal Stability of Externally Oxidized Cu-Al ₂ O ₃ Composite Processed by SPD. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2110-2117	1.6	9
724	Effect of strain rate on the mechanical properties of a gum metal with various microstructures. <i>Acta Materialia</i> , 2017 , 132, 193-208	8.4	16
723	Mechanical behavior and impact toughness of the ultrafine-grained Grade 5 Ti alloy processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 696, 166-173	5.3	24
722	Investigation into the corrosion rate and features of the samples made of nanostructured aluminum alloy in the H ₂ S-containing medium. <i>Russian Journal of Non-Ferrous Metals</i> , 2017 , 58, 142-148	0.8	3
721	Precipitates studies in ultrafine-grained Al alloys with enhanced strength and conductivity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 194, 012034	0.4	2
720	Microstructure and thermal stability of nanocrystalline Mg-Gd-Y-Zr alloy processed by high pressure torsion. <i>Journal of Alloys and Compounds</i> , 2017 , 721, 577-585	5.7	38
719	Microstructure evolution and strengthening mechanisms in commercial-purity titanium subjected to equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 701, 289-301	5.3	37
718	Room-Temperature Superplasticity in an Ultrafine-Grained Magnesium Alloy. <i>Scientific Reports</i> , 2017 , 7, 2662	4.9	68
717	Mechanisms of precipitation induced by large strains in the Al-Cu system. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 736-747	5.7	28
716	Effect of annealing on microhardness and electrical resistivity of nanostructured SPD aluminium. <i>Journal of Alloys and Compounds</i> , 2017 , 698, 539-546	5.7	33
715	Dynamic deformation and failure of ultrafine-grained titanium. <i>Acta Materialia</i> , 2017 , 125, 210-218	8.4	59
714	The microstructure-strength relationship in severely-deformed commercial-purity titanium. <i>Materials Letters</i> , 2017 , 192, 165-168	3.3	9
713	Effect of annealing on the microstructure and mechanical properties of ultrafine-grained commercially pure Al. <i>Physics of the Solid State</i> , 2017 , 59, 1970-1977	0.8	16
712	Microstructure and Mechanical Properties of Ultrafine-Grained Mg-Zn-Ca Alloy. <i>Defect and Diffusion Forum</i> , 2017 , 381, 39-43	0.7	2
711	Bioactive Coating with Two-Layer Hierarchy of Relief Obtained by Sol-Gel Method with Shock Drying and Osteoblast Response of Its Structure. <i>Nanomaterials</i> , 2017 , 7,	5.4	4
710	Effect of surface etching on the tensile behavior of coarse- and ultrafine-grained pure titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 707, 337-343	5.3	9
709	New X-Ray Technique to Characterize Nanoscale Precipitates in Aged Aluminum Alloys. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4732-4737	1.6	5

708	Grain Nucleation and Growth in Deformed NiTi Shape Memory Alloys: An In Situ TEM Study. <i>Shape Memory and Superelasticity</i> , 2017 , 3, 347-360	2.8	8
707	Effect of cold rolling on the structure and hydrogen properties of AZ91 and AM60D magnesium alloys processed by ECAP. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 21822-21831	6.7	13
706	HPT-induced shear banding and nanoclustering in a TiNiCu amorphous alloy. <i>Materials Letters</i> , 2017 , 209, 327-329	3.3	19
705	Ultra-severe plastic deformation: Evolution of microstructure, phase transformation and hardness in immiscible magnesium-based systems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 701, 158-166	5.3	45
704	Influence of Zn content on the microstructure and mechanical performance of ultrafine-grained Al ₇₀ Zn alloys processed by high-pressure torsion. <i>Materials Letters</i> , 2017 , 186, 334-337	3.3	22
703	Effect of initial grain size on the microstructure and mechanical properties of high-pressure torsion processed twinning-induced plasticity steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 682, 164-167	5.3	15
702	Behavior of the grade 5 titanium alloy in different structural states in conditions of high-speed erosion. <i>Procedia Structural Integrity</i> , 2017 , 6, 190-195	1	5
701	Study of the Rate of Corrosion and Its Mechanisms in Aluminum Alloy after the Intense Torsional Plastic Deformation. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017 , 53, 1240-1246	0.9	2
700	Modification of the Surface Topography and Composition of Ultrafine and Coarse Grained Titanium by Chemical Etching. <i>Nanomaterials</i> , 2017 , 7,	5.4	35
699	Effect of combined loading on the microstructure and microhardness of austenitic steel. <i>Letters on Materials</i> , 2017 , 7, 29-33	0.9	3
698	The 7th International Conference on Nanomaterials by Severe Plastic Deformation: a report of the International NanoSPD Steering Committee. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 194, 012001	0.4	1
697	Nanostructured Al and Cu alloys with superior strength and electrical conductivity. <i>Journal of Materials Science</i> , 2016 , 51, 33-49	4.3	101
696	Investigation of specimen size effects by in-situ microcompression of equal channel angular pressed copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 649, 104-113	5.3	16
695	Fundamentals of Superior Properties in Bulk NanoSPD Materials. <i>Materials Research Letters</i> , 2016 , 4, 1-21	7.4	230
694	Localized deformation via multiple twinning in a Mg ₇₀ Co ₁₀ Zr alloy processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 677, 68-75	5.3	20
693	Surface Roughness Investigation of Ultrafine-Grained Aluminum Alloy Subjected to High-Speed Erosion. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 3573-3579	1.6	3
692	Nanostructured Titanium for Maxillofacial Mini-Implants. <i>Advanced Engineering Materials</i> , 2016 , 18, 1216-1224	5.3	23
691	High-Cycle Fatigue Behavior of an Ultrafine-Grained Ti ₆₀ Al ₄₀ V Alloy Processed by ECAP and Extrusion. <i>Advanced Engineering Materials</i> , 2016 , 18, 2057-2062	3.5	30

690	Twip-Effect in Nickel-Free High-Nitrogen Austenitic Cr/Mn Steels. <i>Metal Science and Heat Treatment</i> , 2016 , 57, 656-662	0.6	4
689	High-strain induced reverse martensitic transformation in an ultrafine-grained Ti-Nb-Ta-Zr alloy. <i>Philosophical Magazine Letters</i> , 2016 , 96, 189-195	1	1
688	Submicrocrystalline Austenitic Stainless Steel Processed by Cold or Warm High Pressure Torsion. <i>Materials Science Forum</i> , 2016 , 838-839, 398-403	0.4	10
687	Advances in Superplasticity of Ultrafine-Grained Alloys: Recent Research and Development. <i>Materials Science Forum</i> , 2016 , 838-839, 23-33	0.4	5
686	About Formability of Ultra-Fine Grained Metallic Materials. <i>Materials Science Forum</i> , 2016 , 838-839, 476-481	0.4	4
685	Mechanical and electrical properties of an ultrafine grained Al8.5 wt. % RE (RE = 5.4 wt.% Ce, 3.1 wt.% La) alloy processed by severe plastic deformation. <i>Materials and Design</i> , 2016 , 90, 433-442	8.1	77
684	Producing Bulk Ultrafine-Grained Materials by Severe Plastic Deformation: Ten Years Later. <i>Jom</i> , 2016 , 68, 1216-1226	2.1	268
683	Structural and phase transformation in a TWIP steel subjected to high pressure torsion. <i>Materials Letters</i> , 2016 , 166, 321-324	3.3	20
682	Two-Level Micro-to-Nanoscale Hierarchical TiO ₂ Nanolayers on Titanium Surface. <i>Materials</i> , 2016 , 9,	3.5	9
681	Superior Strength of Austenitic Steel Produced by Combined Processing, including Equal-Channel Angular Pressing and Rolling. <i>Metals</i> , 2016 , 6, 310	2.3	16
680	Influence of grain boundary state on electrical resistivity of ultrafine grained aluminium. <i>Philosophical Magazine</i> , 2016 , 96, 2429-2444	1.6	33
679	The structural properties of Zr-based bulk metallic glasses subjected to high pressure torsion at different temperatures 2016 ,		4
678	The Study of the Strained State of the Long-Length Aluminum Billet Obtained by a New Method - Multi-ECAP-Conform. <i>Materials Science Forum</i> , 2016 , 870, 603-607	0.4	2
677	Specific features of etching of ultrafine- and coarse-grained titanium in base and acid solutions of hydrogen peroxide. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 334-336	0.8	2
676	Computer Study of the Effect of Tooling Geometry on Deformation Parameters in the Plastic Shaping of Aluminum Wire Rod by Multi-ECAP-Conform. <i>Metallurgist</i> , 2016 , 59, 1007-1014	0.8	5
675	Effect of annealing temperature on martensitic transformation of Ti49.2Ni50.8 alloy processed by equal channel angular pressing. <i>Transactions of Nonferrous Metals Society of China</i> , 2016 , 26, 448-455	3.3	13
674	Enhanced strength and ductility of AZ80 Mg alloys by spray forming and ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 670, 280-291	5.3	40
673	Structure, strength, and electric conductivity of a Cu-Cr copper-based alloy subjected to severe plastic deformation. <i>Physics of Metals and Metallography</i> , 2015 , 116, 209-218	1.2	25

672	The genetic legacy of the expansion of Turkic-speaking nomads across Eurasia. <i>PLoS Genetics</i> , 2015 , 11, e1005068	6	100
671	Superior strength of carbon steel with an ultrafine-grained microstructure and its enhanced thermal stability. <i>Journal of Materials Science</i> , 2015 , 50, 6730-6738	4.3	17
670	Optimization of electrical conductivity and strength combination by structure design at the nanoscale in AlMgBi alloys. <i>Acta Materialia</i> , 2015 , 98, 355-366	8.4	138
669	Electrochemical Anisotropy of Nanostructured Titanium for Biomedical Implants. <i>Electrochimica Acta</i> , 2015 , 176, 1221-1232	6.7	21
668	Evolution of the amorphous structure in melt-spun Ti50Ni25Cu25 alloy subjected to high pressure torsion deformation. <i>Intermetallics</i> , 2015 , 66, 77-81	3.5	15
667	Experimental study of thermodynamic and fatigue properties of submicrocrystalline titanium under high cyclic and gigacyclic fatigue regimes. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2015 , 229, 1271-1279	1.3	19
666	Pseudopartial wetting of grain boundaries in severely deformed Al-Zn alloys. <i>Russian Journal of Non-Ferrous Metals</i> , 2015 , 56, 44-51	0.8	29
665	Multifunctional Properties of Bulk Nanostructured Metallic Materials. <i>SpringerBriefs in Materials</i> , 2015 , 27-100	0.5	3
664	An EBSD investigation of ultrafine-grain titanium for biomedical applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 648, 305-310	5.3	39
663	Influence of the microstructure on the physicomechanical properties of the aluminum alloy AlMgBi nanostructured under severe plastic deformation. <i>Physics of the Solid State</i> , 2015 , 57, 2051-2058	0.8	11
662	Bulk Nanostructured Metals for Innovative Applications. <i>SpringerBriefs in Materials</i> , 2015 , 101-113	0.5	4
661	Bulk Nanostructured Materials with Multifunctional Properties. <i>SpringerBriefs in Materials</i> , 2015 ,	0.5	27
660	Surface modification of low activation ferritic-martensitic steel EK-181 (Rusfer) by high temperature pulsed plasma flows. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 218-221	1.2	5
659	Non-equilibrium grain boundaries with excess energy in graphene. <i>Carbon</i> , 2015 , 81, 223-231	10.4	15
658	Superior Mechanical Properties of Nanostructured Light Metallic Materials and Their Innovation Potential 2015 , 17-33		
657	Stability of an Amorphous TiCuNi Alloy Subjected to High-Pressure Torsion at Different Temperatures. <i>Advanced Engineering Materials</i> , 2015 , 17, 1728-1732	3.5	15
656	Recent Findings in Superior Strength and Ductility of Ultrafine-Grained Materials. <i>Transactions of the Materials Research Society of Japan</i> , 2015 , 40, 309-318	0.2	8
655	Modeling of Metal Flow during Processing by Multi-ECAP-Conform. <i>Advanced Engineering Materials</i> , 2015 , 17, 1723-1727	3.5	4

654	Enhanced Strengthening in Ultrafine-Grained AlMgSi Alloys Produced via ECAP with Parallel Channels. <i>Advanced Engineering Materials</i> , 2015 , 17, 1733-1737	3.5	8
653	Ultrafine Grained Structures Resulting from SPD-Induced Phase Transformation in AlZn Alloys. <i>Advanced Engineering Materials</i> , 2015 , 17, 1821-1827	3.5	69
652	Enhancement of the Mechanical Properties of an MgZnCa Alloy Using High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2015 , 17, 1738-1741	3.5	29
651	Recent Advances in Processing and Application of Nanostructured Titanium for Dental Implants. <i>Advanced Engineering Materials</i> , 2015 , 17, 1869-1875	3.5	23
650	Nanostructuring and Phase Transformations in the Alloy Ti-15Mo during High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2015 , 17, 1742-1747	3.5	18
649	Properties and Performance of Ultrafine Grained Titanium for Biomedical Applications. <i>Materials Research</i> , 2015 , 18, 1163-1175	1.5	27
648	Fatigue Behavior of an Ultrafine-Grained Al-Mg-Si Alloy Processed by High-Pressure Torsion. <i>Metals</i> , 2015 , 5, 578-590	2.3	22
647	Formation of Micro- and Nanostructures on the Nanotitanium Surface by Chemical Etching and Deposition of Titania Films by Atomic Layer Deposition (ALD). <i>Materials</i> , 2015 , 8, 8366-8377	3.5	25
646	Nanocrystalline Ti Produced by Cryomilling and Consolidation by Severe Plastic Deformation. <i>Metals</i> , 2015 , 5, 206-215	2.3	5
645	Enhanced Mechanical Properties and Electrical Conductivity in Ultrafine-Grained Al 6101 Alloy Processed via ECAP-Conform. <i>Metals</i> , 2015 , 5, 2148-2164	2.3	35
644	Modification of titanium and titanium dioxide surfaces by ion implantation: Combined XPS and DFT study. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 748-754	1.3	16
643	Surface chemical treatment of ultrafine-grained TiAlNb alloy processed by severe plastic deformation. <i>Journal of Alloys and Compounds</i> , 2015 , 643, S241-S245	5.7	15
642	Effect of neutron irradiation on the microstructure and the mechanical and corrosion properties of the ultrafine-grained stainless CrNi steel. <i>Physics of Metals and Metallography</i> , 2015 , 116, 1270-1278	1.2	10
641	Grain Boundary Design of Bulk Nanomaterials for Advanced Properties 2015 , 5, 43-54		2
640	X-ray studies of dynamic aging in an aluminum alloy subjected to severe plastic deformation. <i>Materials Characterization</i> , 2015 , 110, 222-227	3.9	5
639	Refinement of tungsten microstructure upon severe plastic deformation. <i>Physics of Metals and Metallography</i> , 2014 , 115, 139-145	1.2	12
638	Atomic-scale analysis of the segregation and precipitation mechanisms in a severely deformed AlMg alloy. <i>Acta Materialia</i> , 2014 , 72, 125-136	8.4	166
637	Nanostructured titanium-based materials for medical implants: Modeling and development. <i>Materials Science and Engineering Reports</i> , 2014 , 81, 1-19	30.9	166

636	A nanostructural design to produce high-strength Al alloys with enhanced electrical conductivity. <i>Scripta Materialia</i> , 2014 , 76, 13-16	5.6	178
635	Strength, grain refinement and solute nanostructures of an AlMgSi alloy (AA6060) processed by high-pressure torsion. <i>Acta Materialia</i> , 2014 , 63, 169-179	8.4	103
634	Dislocation emission from deformation-distorted grain boundaries in ultrafine-grained materials. <i>Scripta Materialia</i> , 2014 , 76, 45-48	5.6	26
633	Grain boundary films in AlZn alloys after high pressure torsion. <i>Scripta Materialia</i> , 2014 , 70, 59-62	5.6	95
632	Physical Simulation of Hot Rolling of Ultra-fine Grained Pure Titanium. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014 , 45, 2315-2326	2.5	3
631	Grain boundary segregation induced strengthening of an ultrafine-grained austenitic stainless steel. <i>Materials Letters</i> , 2014 , 136, 349-352	3.3	89
630	Nanostructured Cu-Cr alloy with high strength and electrical conductivity. <i>Journal of Applied Physics</i> , 2014 , 115, 194301	2.5	86
629	Ultrafine-grained TiNbTaZr alloy produced by ECAP at room temperature. <i>Journal of Materials Science</i> , 2014 , 49, 6656-6666	4.3	20
628	Mg segregations at and near deformation-distorted grain boundaries in ultrafine-grained AlMg alloys. <i>Journal of Materials Science</i> , 2014 , 49, 6682-6688	4.3	9
627	Nanostructured titanium alloys: New developments and application prospects. <i>Nanotechnologies in Russia</i> , 2014 , 9, 311-324	0.6	22
626	Multiple and extended shear band formation in MgCuGd metallic glass during high-pressure torsion. <i>Scripta Materialia</i> , 2014 , 86, 24-27	5.6	12
625	Microstructure and martensitic transformation of an ultrafine-grained TiNiNb shape memory alloy processed by equal channel angular pressing. <i>Intermetallics</i> , 2014 , 49, 81-86	3.5	29
624	Transformation hysteresis and shape memory effect of an ultrafine-grained TiNiNb shape memory alloy. <i>Intermetallics</i> , 2014 , 54, 133-135	3.5	19
623	Superior Strength in Ultrafine-Grained Materials Produced by SPD Processing. <i>Materials Transactions</i> , 2014 , 55, 13-18	1.3	54
622	Microstructure, properties, and failure characteristics of medium-carbon steel subjected to severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012056	0.4	6
621	Formation of amorphous states in Ti50Ni25Cu25 alloy subjected to severe plastic deformation: Nanoglass issue. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012166	0.4	5
620	Report of International NanoSPD Steering Committee and statistics on recent NanoSPD activities. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 011002	0.4	4
619	High fatigue strength and enhanced biocompatibility of UFG CP Ti for medical innovative applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012113	0.4	11

618	On the nature of high-strength state of carbon steel produced by severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012128	0.4	8
617	Processing ultrafine-grained Aluminum alloy using Multi-ECAP-Conform technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012037	0.4	5
616	Microstructure and mechanical properties of ultrafinegrained Mg-Zn-Ca alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012142	0.4	4
615	Characteristics of the synthesis of TiO ₂ films on a titanium surface by the sol-gel technique. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2453-2454	0.7	8
614	Structural strength and corrosion resistance of nanostructured steel 10. <i>Steel in Translation</i> , 2014 , 44, 418-421	0.4	1
613	High strength state of UFG steel produced by severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012127	0.4	2
612	Influence of UFG structure formation on mechanical and fatigue properties in Ti-6Al-7Nb alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012162	0.4	4
611	Enhanced strength and electrical conductivity in ultrafine-grained Cu-Cr alloy processed by severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012118	0.4	11
610	Frontiers for Bulk Nanostructured Metals in Biomedical Applications 2014 , 1-52		7
609	Grain Boundary Phenomena in an Ultrafine-Grained Al ₇₀ Zn Alloy with Improved Mechanical Behavior for Micro-Devices. <i>Advanced Engineering Materials</i> , 2014 , 16, 1000-1009	3.5	80
608	Fatigue Life and Failure Characteristics of an Ultrafine-Grained Ti ₆₀ Al ₃₈ V Alloy Processed by ECAP and Extrusion. <i>Advanced Engineering Materials</i> , 2014 , 16, 1038-1043	3.5	25
607	Microstructure and mechanical properties of continuous equal channel angular pressed Titanium. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012067	0.4	1
606	Nanostructured severe plastic deformation processed titanium for orthodontic mini-implants. <i>Materials Science and Engineering C</i> , 2013 , 33, 4197-202	8.3	38
605	Effect of heat treatment on structural and phase transformations in the Ti _{49.5} Ni _{50.5} alloy amorphized by high-pressure torsion. <i>Physics of Metals and Metallography</i> , 2013 , 114, 488-502	1.2	2
604	Enhanced mechanical properties and electrical conductivity in ultrafine-grained Al alloy processed via ECAP-PC. <i>Journal of Materials Science</i> , 2013 , 48, 4501-4509	4.3	81
603	Structure and mechanical properties of nanostructured Al ₇₀ Mg alloys processed by severe plastic deformation. <i>Journal of Materials Science</i> , 2013 , 48, 4681-4688	4.3	30
602	Phase transformations in Al ₇₀ Mg ₃₀ Zn alloys during high pressure torsion and subsequent heating. <i>Journal of Materials Science</i> , 2013 , 48, 4758-4765	4.3	11
601	Tensile properties and work hardening behaviors of ultrafine grained carbon steel and pure iron processed by warm high pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 581, 8-15	5.3	45

600	Nanocrystalline Ti alloy with high hardness, low Young's modulus and excellent in vitro biocompatibility for biomedical applications. <i>Materials Science and Engineering C</i> , 2013 , 33, 3530-6	8.3	65
599	Ultrafine grained titanium for biomedical applications: An overview of performance. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 340-350	5.5	94
598	Influence of grain size on radiation effects in a low carbon steel. <i>Journal of Nuclear Materials</i> , 2013 , 443, 302-310	3.3	28
597	Structural Modeling and Physical Properties of SPD-Processed Materials 2013 , 291-330		
596	Evolution of microstructure, macrotexture and mechanical properties of commercially pure Ti during ECAP-conform processing and drawing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 562, 128-136	5.3	128
595	Nanostructured aluminium alloys produced by severe plastic deformation: New horizons in development. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 560, 1-24	5.3	373
594	Superelasticity and its stability of an ultrafine-grained Ti49.2Ni50.8 shape memory alloy processed by equal channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 587, 61-64	5.3	18
593	About application of three dimensional analyses of fracture surfaces in fracture study on nanostructured titanium. <i>Computational Materials Science</i> , 2013 , 76, 72-79	3.2	9
592	Nanostructured titanium alloys and multicomponent bioactive films: Mechanical behavior at indentation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 570, 51-62	5.3	32
591	Nanostructured alloys: large tensile elongation. <i>Nature Materials</i> , 2013 , 12, 289-91	2.7	25
590	Comparison of the monotonic and cyclic mechanical properties of ultrafine-grained low carbon steels processed by continuous and conventional equal channel angular pressing. <i>Materials & Design</i> , 2013 , 47, 138-142		10
589	X-Ray Analysis of SPD Nanostructured Materials 2013 , 623-632		
588	Mechanical Properties of BNM at Ambient Temperature 2013 , 331-356		0
587	HPT Processing of Metals, Alloys, and Composites 2013 , 88-151		
586	Influence of annealing on ductility of ultrafine-grained titanium processed by equal-channel angular pressing conform and drawing. <i>MRS Communications</i> , 2013 , 3, 249-253	2.7	32
585	Dynamic balance between grain refinement and grain growth during high-pressure torsion of Cu powders. <i>Philosophical Magazine Letters</i> , 2013 , 93, 481-489	1	30
584	Description of Severe Plastic Deformation (SPD) 2013 , 6-21		1
583	Ultrafine-Grained Tungsten Produced by SPD Techniques 2013 , 199-208		1

582 Metastable Nanostructured Alloys Processed by Severe Plastic Deformation **2013**, 209-218

581 In vitro and in vivo studies on nanocrystalline Ti fabricated by equal channel angular pressing with microcrystalline CP Ti as control. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 1694-707 5.4 35

580 Nanostructure Formation and Carbides Dissolution in Rail Steel Deformed by High Pressure Torsion **2013**, 47-54 1

579 **2013**, 117

578 Thermal cycling stability of ultrafine-grained TiNi shape memory alloys processed by equal channel angular pressing. *Scripta Materialia*, **2012**, 67, 1-4 5.6 31

577 Gradual softening of AlZn alloys during high-pressure torsion. *Materials Letters*, **2012**, 84, 63-65 3.3 80

576 Grain boundaries in ultrafine grained materials processed by severe plastic deformation and related phenomena. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 540, 1-12 5.3 366

575 Strain rate sensitivity studies in an ultrafine-grained Al₈₀wt.% Zn alloy using micro- and nanoindentation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 543, 117-120 5.3 71

574 Phase and structural transformations in the Ti_{49.5}Ni_{50.5} alloy with a shape-memory effect during torsion under high pressure. *Physics of Metals and Metallography*, **2012**, 113, 256-270 1.2 15

573 Deformation-driven formation of equilibrium phases in the CuNi alloys. *Journal of Materials Science*, **2012**, 47, 360-367 4.3 51

572 Structure and mechanical behavior during indentation of biocompatible nanostructured titanium alloys and coatings. *Metallurgist*, **2012**, 56, 395-407 0.8 7

571 Microstructure and mechanical properties of medium-carbon steel subjected to severe plastic deformation. *Metal Science and Heat Treatment*, **2012**, 54, 155-159 0.6 12

570 Preface to the special issue on ultrafine-grained materials. *Journal of Materials Science*, **2012**, 47, 7717-7718 4.9 1

569 Enhanced fatigue properties of ultrafine-grained Ti rods processed by ECAP-Conform. *Journal of Materials Science*, **2012**, 47, 7777-7781 4.3 64

568 Mechanical behavior of nanocrystalline TiNi alloy produced by severe plastic deformation. *Journal of Materials Science*, **2012**, 47, 7848-7853 4.3 35

567 Enhanced grain refinement of an AlMgSi alloy by high-pressure torsion processing at 100 °C. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 552, 415-418 5.3 39

566 Effect of cold rolling on microstructure and mechanical properties of copper subjected to ECAP with various numbers of passes. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 554, 105-115 5.3 69

565 Superstrength of nanostructured metals and alloys produced by severe plastic deformation. *Physics of Metals and Metallography*, **2012**, 113, 1193-1201 1.2 19

564	Using intensive plastic deformations for manufacturing bulk nanostructure metallic materials. <i>Mechanics of Solids</i> , 2012 , 47, 463-474	0.5	4
563	Deformation defects and electron irradiation effect in nanostructured AlMg alloy processed by severe plastic deformation. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 1810-1816	3.3	10
562	Bulk Nanostructured Metals for Innovative Applications. <i>Jom</i> , 2012 , 64, 1134-1142	2.1	96
561	Surface Characterization of Titanium Implants Treated in Hydrofluoric Acid. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012 , 03, 87-91	1	26
560	Baroelastic shape memory effects in titanium nickelide alloys subjected to plastic deformation under high pressure. <i>Technical Physics</i> , 2012 , 57, 1106-1114	0.5	9
559	Arsenic contamination of coarse-grained and nanostructured nitinol surfaces induced by chemical treatment in hydrofluoric acid. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 1812-6	3.5	5
558	Grain Boundary Segregation in UFG Alloys Processed by Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2012 , 14, 968-974	3.5	68
557	Observations of unique plastic behavior in micro-pillars of an ultrafine-grained alloy. <i>MRS Communications</i> , 2012 , 2, 75-78	2.7	31
556	Surface studies of coarse-grained and nanostructured titanium implants. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 8567-72	1.3	5
555	Accelerated Diffusion and Phase Transformations in Co–Cu Alloys Driven by the Severe Plastic Deformation. <i>Materials Transactions</i> , 2012 , 53, 63-71	1.3	108
554	Microstructure evolution in nanocrystalline NiTi alloy produced by HPT. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S290-S293	5.7	12
553	Anisotropy of mechanical properties in high-strength ultra-fine-grained pure Ti processed via a complex severe plastic deformation route. <i>Scripta Materialia</i> , 2011 , 64, 69-72	5.6	71
552	Atomic-level structural modifications induced by severe plastic shear deformation in bulk metallic glasses. <i>Scripta Materialia</i> , 2011 , 64, 81-84	5.6	83
551	Effect of the grain refinement via severe plastic deformation on strength properties and deformation behavior of an Al6061 alloy at room and cryogenic temperatures. <i>Materials Letters</i> , 2011 , 65, 2917-2919	3.3	30
550	First measurement of the heat effect of the grain boundary wetting phase transition. <i>Journal of Materials Science</i> , 2011 , 46, 4243-4247	4.3	14
549	Microstructure and mechanical properties at different length scales and strain rates of nanocrystalline tantalum produced by high-pressure torsion. <i>Acta Materialia</i> , 2011 , 59, 2423-2436	8.4	96
548	Achieving Exceptional Grain Refinement through Severe Plastic Deformation: New Approaches for Improving the Processing Technology. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 2942-2951	2.3	69
547	Enhanced in vitro biocompatibility of ultrafine-grained titanium with hierarchical porous surface. <i>Applied Surface Science</i> , 2011 , 257, 5634-5640	6.7	52

546	Enhanced in vitro biocompatibility of ultrafine-grained biomedical NiTi alloy with microporous surface. <i>Applied Surface Science</i> , 2011 , 257, 9086-9093	6.7	29
545	Enhanced corrosion resistance and cellular behavior of ultrafine-grained biomedical NiTi alloy with a novel SrO:Bi ₂ O ₃ :TiO ₂ sol-gel coating. <i>Applied Surface Science</i> , 2011 , 257, 5913-5918	6.7	37
544	Producing bulk nanostructured metals and alloys by severe plastic deformation (SPD) 2011 , 3-39		12
543	Annealing behaviour of nanocrystalline NiTi (50 at% Ni) alloy produced by high-pressure torsion. <i>Philosophical Magazine</i> , 2011 , 91, 3079-3092	1.6	9
542	Superstrength of nanostructured alloys produced by SPD processing. <i>Journal of Physics: Conference Series</i> , 2011 , 291, 012029	0.3	3
541	Effect of Grain Refinement on the Mechanical Behaviour of an Al6061 Alloy at Cryogenic Temperatures 2011 ,		1
540	Enhanced Mechanical Properties of Nanostructured Metals Produced by SPD Techniques 2011 , 31-59		
539	Effect of Cold Rolling on Structure and Mechanical Properties of Copper Subjected to Different Numbers of Passes of ECAP. <i>Materials Science Forum</i> , 2010 , 667-669, 295-300	0.4	3
538	Major Landmarks of NanoSPD Activity: International Conferences from NanoSPD1 to NanoSPD5. <i>Materials Science Forum</i> , 2010 , 667-669, 3-8	0.4	
537	The Effect of Grain Boundary Sliding and Strain Rate Sensitivity on the Ductility of Ultrafine-Grained Materials. <i>Materials Science Forum</i> , 2010 , 667-669, 677-682	0.4	15
536	High Strength and Electrical Conductivity of UFG Copper Alloys. <i>Materials Science Forum</i> , 2010 , 667-669, 755-759	0.4	2
535	SPD-Induced Grain Boundary Segregations and Superior Strength in UFG Al Alloys. <i>Materials Science Forum</i> , 2010 , 667-669, 665-669	0.4	1
534	Simple Shear: Double-Stage Deformation. <i>Materials Science Forum</i> , 2010 , 667-669, 97-102	0.4	6
533	High-pressure torsion-induced grain growth and detwinning in cryomilled Cu powders. <i>Philosophical Magazine</i> , 2010 , 90, 4541-4550	1.6	50
532	Phase Transformations and Functional Properties of NiTi Alloy with Ultrafine-Grained Structure. <i>Materials Science Forum</i> , 2010 , 667-669, 1059-1064	0.4	4
531	Processing of nanostructured metals and alloys via plastic deformation. <i>MRS Bulletin</i> , 2010 , 35, 977-981	3.2	76
530	Nanostructural hierarchy increases the strength of aluminium alloys. <i>Nature Communications</i> , 2010 , 1, 63	17.4	452
529	Chemistry of grain boundary environments in nanocrystalline Al 7075. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 391-393	5.7	9

528	Special nanostructures in Al-Mg alloys subjected to high pressure torsion. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2051-2056	3.3	15
527	Atomic Scale Investigation of Impurity 3D Distribution in Nanocrystalline Ni Processed by SPD. <i>Materials Science Forum</i> , 2010 , 667-669, 169-174	0.4	2
526	Influence of Annealing on the Structure and Mechanical Properties of Ultrafine-Grained Alloy Ti-6Al-7Nb, Processed by Severe Plastic Deformation. <i>Materials Science Forum</i> , 2010 , 667-669, 943-948	0.4	10
525	Effect of severe plastic deformation on the phase and structural transformations and mechanical properties of metastable austenitic Ti-Ni alloys. <i>Russian Metallurgy (Metally)</i> , 2010 , 2010, 296-300	0.5	2
524	Corrosion behavior of titanium materials with an ultrafine-grained structure. <i>Russian Metallurgy (Metally)</i> , 2010 , 2010, 456-460	0.5	8
523	Superstrength of ultrafine-grained aluminum alloys produced by severe plastic deformation. <i>Doklady Physics</i> , 2010 , 55, 267-270	0.8	26
522	Synthesis and properties of hydroxyapatite-containing porous titania coating on ultrafine-grained titanium by micro-arc oxidation. <i>Acta Biomaterialia</i> , 2010 , 6, 2816-25	10.8	151
521	Grain refinement and mechanical properties in ultrafine grained Pd and PdAg alloys produced by HPT. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1776-1783	5.3	38
520	High strength ultra-fine grained titanium produced via a novel SPD processing route. <i>International Journal of Material Forming</i> , 2010 , 3, 407-410	2	4
519	Application of equal channel angular pressing with parallel channels for grain refinement in aluminium alloys and its effect on deformation behavior. <i>International Journal of Material Forming</i> , 2010 , 3, 411-414	2	23
518	Grain Boundaries and Mechanical Properties of Ultrafine-Grained Metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 816-822	2.3	10
517	Effect of Equal Channel Angular Pressing on the Fracture Behavior of Commercially Pure Titanium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 727-733	2.3	62
516	Unusual super-ductility at room temperature in an ultrafine-grained aluminum alloy. <i>Journal of Materials Science</i> , 2010 , 45, 4718-4724	4.3	102
515	Grain refinement in nanostructured AlMg alloys subjected to high pressure torsion. <i>Journal of Materials Science</i> , 2010 , 45, 4659-4664	4.3	49
514	In vitro corrosion and cytotoxicity on microcrystalline, nanocrystalline and amorphous NiTi alloy fabricated by high pressure torsion. <i>Materials Letters</i> , 2010 , 64, 983-986	3.3	40
513	Grain size and reversible beta-to-omega phase transformation in a Ti alloy. <i>Scripta Materialia</i> , 2010 , 63, 613-616	5.6	66
512	On the origin of the extremely high strength of ultrafine-grained Al alloys produced by severe plastic deformation. <i>Scripta Materialia</i> , 2010 , 63, 949-952	5.6	223
511	The Art and Science of Tailoring Materials by Nanostructuring for Advanced Properties Using SPD Techniques. <i>Advanced Engineering Materials</i> , 2010 , 12, 677-691	3.5	62

510	Enhanced Strength and Ductility of Ultrafine-Grained Ti Processed by Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2010 , 12, 803-807	3.5	82
509	Suppression of Ni ₄ Ti ₃ Precipitation by Grain Size Refinement in Ni-Rich NiTi Shape Memory Alloys. <i>Advanced Engineering Materials</i> , 2010 , 12, 747-753	3.5	48
508	Formation and Stability of Near Convolved Structure Obtained in the Ti ₆ Al ₄ V Alloy Via Air Quenching and Ageing. <i>Advanced Engineering Materials</i> , 2010 , 12, 30-34	3.5	4
507	Mechanical behaviour and in situ observation of shear bands in ultrafine grained Pd and PdAg alloys. <i>Acta Materialia</i> , 2010 , 58, 967-978	8.4	37
506	Ductility of ultrafine-grained copper processed by equal-channel angular pressing. <i>International Journal of Materials Research</i> , 2009 , 100, 1647-1652	0.5	14
505	Processing by severe plastic deformation: an ancient skill adapted for the modern world. <i>International Journal of Materials Research</i> , 2009 , 100, 1623-1631	0.5	5
504	Nanostructuring of metallic materials by spd processing for advanced properties. <i>International Journal of Materials Research</i> , 2009 , 100, 757-761	0.5	18
503	Nanostructuring of Ti-alloys by SPD processing to achieve superior fatigue properties. <i>International Journal of Materials Research</i> , 2009 , 100, 1691-1696	0.5	35
502	Enhanced Ductility in Ultrafine-Grained Al Alloys Produced by SPD Techniques. <i>Materials Science Forum</i> , 2009 , 633-634, 321-332	0.4	17
501	Developing a strategy for the processing of age-hardenable alloys by ECAP at room temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 516, 248-252	5.3	58
500	Fatigue resistance of titanium with ultrafine-grained structure. <i>Metal Science and Heat Treatment</i> , 2009 , 51, 87-91	0.6	11
499	Structural characterization by high-resolution electron microscopy of an AlMg alloy processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 503, 122-125	5.3	33
498	Fatigue behavior of ultrafine-grained Ti ₆ Al ₄ V ELI alloy for medical applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 503, 145-147	5.3	39
497	Mechanical characteristics, failure regularities, and dimple structures on failure surfaces of Ti ₆ Al ₄ V ELI ultrafine-grained alloy at temperatures from 300 to 4.2K. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 503, 106-109	5.3	5
496	Enhanced fatigue strength of commercially pure Ti processed by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 503, 92-95	5.3	72
495	Microstructure evolution in copper under severe plastic deformation detected by in situ X-ray diffraction using monochromatic synchrotron light. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 503, 10-13	5.3	46
494	Cyclic deformation behavior and fatigue lives of ultrafine-grained Ti-6Al-4V ELI alloy for medical use. <i>International Journal of Fatigue</i> , 2009 , 31, 322-331	5	71
493	Structure and mechanical properties of strips and shapes from ultrafine-grained aluminum alloy 1421. <i>Metal Science and Heat Treatment</i> , 2009 , 51, 82-86	0.6	3

492	Amorphization of bulk TiNi-based alloys by severe plastic deformation under high pressure torsion. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009 , 73, 1117-1119	0.4	7
491	Study of the heat treatment influence on the formation of nanostructured state in bulk titanium nickelide alloys subjected to severe plastic deformation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009 , 73, 1519-1521	0.4	
490	On the nature of anomalously high plasticity of high-strength titanium nickelide alloys with shape-memory effects: II. Mechanisms of plastic deformation upon isothermal loading. <i>Physics of Metals and Metallography</i> , 2009 , 107, 298-311	1.2	17
489	Application of severe plastic deformation by torsion to form amorphous and nanocrystalline states in large-size TiNi alloy sample. <i>Physics of Metals and Metallography</i> , 2009 , 108, 131-138	1.2	21
488	Structure and mechanical properties of aluminum alloy 6061 subjected to equal-channel angular pressing in parallel channels. <i>Physics of Metals and Metallography</i> , 2009 , 108, 415-423	1.2	23
487	Effect of heat treatment on the structural and phase transformations and mechanical properties of TiNi alloy subjected to severe plastic deformation by torsion. <i>Physics of Metals and Metallography</i> , 2009 , 108, 556-568	1.2	37
486	Formation of a nanostructure and properties of titanium rods during equal-channel angular pressing CONFORM followed by drawing. <i>Russian Metallurgy (Metally)</i> , 2009 , 2009, 416-420	0.5	6
485	Yield stress and plasticity of nanostructured titanium of different purity at 300, 77, and 4.2 K. <i>Crystallography Reports</i> , 2009 , 54, 1066-1069	0.6	
484	Structure and Properties of Grain Boundaries in Submicrocrystalline W Obtained by Severe Plastic Deformation. <i>Defect and Diffusion Forum</i> , 2009 , 283-286, 629-638	0.7	17
483	Grain Refinement and Mechanical Behavior of the Al Alloy, Subjected to the New SPD Technique. <i>Materials Transactions</i> , 2009 , 50, 87-91	1.3	53
482	Effect of severe plastic deformation on the coercivity of Co ₂ Ti alloys. <i>Philosophical Magazine Letters</i> , 2009 , 89, 649-654	1	16
481	Enhanced ion irradiation resistance of bulk nanocrystalline TiNi alloy. <i>Scripta Materialia</i> , 2008 , 59, 1027-1030	1.3	75
480	New deformation twinning mechanism generates zero macroscopic strain in nanocrystalline metals. <i>Physical Review Letters</i> , 2008 , 100, 095701	7.4	142
479	Nanostructured SPD Processed Titanium for Medical Implants. <i>Materials Science Forum</i> , 2008 , 584-586, 49-54	0.4	55
478	Nanostructure and related mechanical properties of an AlMgSi alloy processed by severe plastic deformation. <i>Philosophical Magazine Letters</i> , 2008 , 88, 459-466	1	126
477	Martensitic Transformations and Functional Stability in Ultra-Fine Grained NiTi Shape Memory Alloys. <i>Materials Science Forum</i> , 2008 , 584-586, 852-857	0.4	21
476	Recent Developments of Severe Plastic Deformation Techniques for Processing Bulk Nanostructured Materials. <i>Materials Science Forum</i> , 2008 , 579, 1-14	0.4	5
475	Long-Length Ultrafine-Grained Titanium Rods Produced by ECAP-Conform. <i>Materials Science Forum</i> , 2008 , 584-586, 80-85	0.4	44

474	Evidence of β -phase transition in titanium after high pressure torsion. <i>International Journal of Materials Research</i> , 2008 , 99, 36-41	0.5	83
473	Deformation Twins and Stacking Faults in an AA5182 Al-Mg Alloy Processed by High Pressure Torsion. <i>Materials Science Forum</i> , 2008 , 579, 147-154	0.4	9
472	Enhanced Fatigue Properties of Ultrafine-Grained Titanium Rods Produced Using Severe Plastic Deformation. <i>Solid State Phenomena</i> , 2008 , 140, 167-172	0.4	3
471	Nanostructures and Microhardness in Al and AlMg Alloys Subjected to SPD. <i>Materials Science Forum</i> , 2008 , 604-605, 179-185	0.4	10
470	Thermal Stability of Severe Plastically Deformed VT-6 (Ti-6Al-4V). <i>Materials Science Forum</i> , 2008 , 584-586, 893-898	0.4	11
469	Mechanical Behavior and Stress-Induced Martensitic Transformation in Nanocrystalline Ti49.4Ni50.6 Alloy. <i>Materials Science Forum</i> , 2008 , 584-586, 470-474	0.4	16
468	On Grain Boundary Engineering of UFG Metals and Alloys for Enhancing their Properties. <i>Materials Science Forum</i> , 2008 , 584-586, 22-28	0.4	25
467	Grain Refinement and Deformation Behavior of Ultrafine Grained Pd and Pd-Ag Alloys Produced by HPT. <i>Materials Science Forum</i> , 2008 , 584-586, 182-187	0.4	
466	The New Approach to Produce Al Sheets with UFG Structure Using SPD Processing. <i>Materials Science Forum</i> , 2008 , 584-586, 176-181	0.4	
465	Grain Boundary Structure and Deformation Defects in Nanostructured AlMg Alloys Processed by High Pressure Torsion. <i>Materials Science Forum</i> , 2008 , 584-586, 528-534	0.4	7
464	Cycling of Ultrafine-Grained Ti-6Al-4V ELI Alloy: Microstructural Changes and Enhanced Fatigue Limit. <i>Materials Science Forum</i> , 2008 , 584-586, 827-832	0.4	3
463	Observations of Texture in Large Scale HPT-Processed Cu. <i>Materials Science Forum</i> , 2008 , 584-586, 367-374	0.4	8
462	Tougher ultrafine grain Cu via high-angle grain boundaries and low dislocation density. <i>Applied Physics Letters</i> , 2008 , 92, 081903	3.4	135
461	Nanostructuring of TiNi Alloy by SPD Processing for Advanced Properties. <i>Materials Transactions</i> , 2008 , 49, 97-101	1.3	56
460	Microstructural features of failure surfaces and low-temperature mechanical properties of Ti-6Al-4V ELI ultra-fine grained alloy. <i>Strength of Materials</i> , 2008 , 40, 71-74	0.6	2
459	Strength and fatigue properties enhancement in ultrafine-grained Ti produced by severe plastic deformation. <i>Journal of Materials Science</i> , 2008 , 43, 7354-7359	4.3	65
458	Microstructure and mechanical properties of titanium (Grade 4) processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 493, 190-194	5.3	70
457	Experimental investigations of anomalous energy absorption in nanocrystalline titanium under cyclic loading conditions. <i>Technical Physics Letters</i> , 2008 , 34, 557-560	0.7	5

456	Nanostructured titanium for biomedical applications: New developments and challenges for commercialization. <i>Nanotechnologies in Russia</i> , 2008 , 3, 593-601	0.6	37
455	Structure and mechanical properties of an aluminum alloy 1570 subjected to severe plastic deformation by high-pressure torsion. <i>Physics of Metals and Metallography</i> , 2008 , 106, 90-96	1.2	45
454	Mechanical behavior of ultrafine-grained titanium rods obtained using severe plastic deformation. <i>Physics of Metals and Metallography</i> , 2008 , 106, 211-218	1.2	10
453	On the nature of anomalously high plasticity of high-strength titanium nickelide alloys with shape-memory effects: I. Initial structure and mechanical properties. <i>Physics of Metals and Metallography</i> , 2008 , 106, 520-530	1.2	25
452	Effect of severe plastic deformation by torsion on the structure and properties of TiNi-based alloys with shape memory effects. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 550-552	0.4	2
451	Superplasticity of Ultrafine-Grained Aluminum Alloy Processed by ECAP and Warm Rolling. <i>Materials Science Forum</i> , 2007 , 551-552, 13-20	0.4	1
450	Grain size engineering of bcc refractory metals: Top-down and bottom-up Application to tungsten. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 467, 33-43	5.3	86
449	Superplasticity in nanostructured materials: New challenges. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 463, 2-7	5.3	39
448	Structural changes in aluminum alloys upon severe plastic deformation. <i>Physics of the Solid State</i> , 2007 , 49, 868-873	0.8	16
447	High-strain-rate superplasticity of nanocrystalline aluminum alloy 1570. <i>Technical Physics Letters</i> , 2007 , 33, 648-650	0.7	27
446	Creation of submicrocrystalline structure and improvement of functional properties of shape memory alloys of the Ti-Ni-Fe system with the help of ECAP. <i>Metal Science and Heat Treatment</i> , 2007 , 49, 51-56	0.6	7
445	Microstructure and mechanical properties of aluminum alloy 1421 after ECAP and warm rolling. <i>Metal Science and Heat Treatment</i> , 2007 , 49, 135-140	0.6	4
444	The new trends in fabrication of bulk nanostructured materials by SPD processing. <i>Journal of Materials Science</i> , 2007 , 42, 1483-1490	4.3	53
443	Severe Plastic Deformation as a Means of Producing Ultra-Fine-Grained Net-Shaped Micro Electro-Mechanical Systems Parts. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007 , 38, 1906-1909	2.3	40
442	New Schemes of ECAP Processes for Producing Nanostructured Bulk Metallic Materials. <i>AIP Conference Proceedings</i> , 2007 ,	0	1
441	New trends in superplasticity in SPD-processed nanostructured materials. <i>International Journal of Materials Research</i> , 2007 , 98, 314-319	0.5	6
440	Processing Ultra Fine Grained Net-Shaped MEMS Parts Using Severe Plastic Deformation. <i>AIP Conference Proceedings</i> , 2007 ,	0	1
439	Recovery of HPT-Processed Iron Studied by Orientation Imaging Microscopy. <i>Materials Science Forum</i> , 2007 , 558-559, 891-896	0.4	

438	Synthesis routes for controlling the microstructure in nanostructured Al88Y7Fe5 alloys. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 252-254	5.7	20
437	Principles of equal-channel angular pressing as a processing tool for grain refinement. <i>Progress in Materials Science</i> , 2006 , 51, 881-981	42.2	3270
436	Producing bulk ultrafine-grained materials by severe plastic deformation. <i>Jom</i> , 2006 , 58, 33-39	2.1	1192
435	The Influence of the SPD Temperature on Superplasticity of Aluminium Alloys. <i>Materials Science Forum</i> , 2006 , 503-504, 585-590	0.4	4
434	Low Temperature Mechanical Properties of Different Commercial Purity Nanostructured Titanium Processed by ECA Pressing. <i>Materials Science Forum</i> , 2006 , 503-504, 633-638	0.4	5
433	Some New Trends in SPD Processing for Fabrication of Bulk Nanostructured Materials. <i>Materials Science Forum</i> , 2006 , 503-504, 3-10	0.4	9
432	X-Ray Analysis of High Pressure Torsion Induced Nanostructures in Ti and Ni. <i>Solid State Phenomena</i> , 2006 , 114, 329-336	0.4	3
431	Strength of Commercial Aluminum Alloys after Equal Channel Angular Pressing and Post-ECAP Processing. <i>Solid State Phenomena</i> , 2006 , 114, 91-96	0.4	11
430	Hardness of Nanostructured Al-Zn, Al-Mg and Al-Zn-Mg Alloys Obtained by High-Pressure Torsion. <i>Defect and Diffusion Forum</i> , 2006 , 249, 155-160	0.7	6
429	New Routes for Synthesizing Massive Nanocrystalline Materials. <i>Materials Science Forum</i> , 2006 , 503-504, 425-432	0.4	11
428	Microstructure and Mechanical Properties of Pure Nickel Processed by Severe Plastic Deformation. <i>Materials Science Forum</i> , 2006 , 503-504, 579-584	0.4	3
427	Effect of Equal Channel Angular Pressing and Repeated Rolling on Structure, Phase Transformations and Properties of TiNi Shape Memory Alloys. <i>Materials Science Forum</i> , 2006 , 503-504, 539-544	0.4	20
426	Microstructure and Properties of Ti Rods Produced by Multi-Step SPD. <i>Materials Science Forum</i> , 2006 , 503-504, 763-768	0.4	22
425	Combined SPD Techniques to Fabricate Nanostructured Ti Rods for Medical Applications. <i>Solid State Phenomena</i> , 2006 , 114, 183-188	0.4	10
424	Reverse martensitic transformation of ferrite to austenite under severe plastic deformation. <i>Journal of Physics: Conference Series</i> , 2006 , 26, 335-338	0.3	9
423	The New SPD Processing Trends to Fabricate Bulk Nanostructured Materials. <i>Solid State Phenomena</i> , 2006 , 114, 7-18	0.4	4
422	High-pressure torsion-induced grain growth in electrodeposited nanocrystalline Ni. <i>Applied Physics Letters</i> , 2006 , 88, 021909	3.4	155
421	Applications of Severe Plastic Deformations for Materials Nanostructuring Aimed at Advanced Properties 2006 , 29-37		2

420	Microstructural Features and Mechanical Properties of the Ti-6Al-4V ELI Alloy Processed by Severe Plastic Deformation. <i>Materials Science Forum</i> , 2006 , 503-504, 757-762	0.4	28
419	Cooperative grain boundary sliding in nanocrystalline materials. <i>Philosophical Magazine</i> , 2006 , 86, 5797-5804		37
418	Enhanced low-temperature impact toughness of nanostructured Ti. <i>Applied Physics Letters</i> , 2006 , 88, 041905	3.4	55
417	SPD-Induced Nanocrystallization of Shape Memory Ni ₂ MnGa-Based and NiTi-Based Alloys Quenched From Liquid State. <i>Materials Science Forum</i> , 2006 , 503-504, 545-550	0.4	6
416	Severe Plastic Deformation of Melt-Spun Shape Memory Ti ₂ NiCu and Ni ₂ MnGa Alloys. <i>Materials Transactions</i> , 2006 , 47, 546-549	1.3	20
415	Effect of Severe Plastic Deformation on the Behavior of Ti–Ni Shape Memory Alloys. <i>Materials Transactions</i> , 2006 , 47, 694-697	1.3	36
414	Analysis of substructure evolution during simple shear of polycrystals by means of a combined viscoplastic self-consistent and disclination modeling approach. <i>Acta Materialia</i> , 2006 , 54, 985-995	8.4	31
413	Softening of nanostructured Al ₇₀ Zn and Al ₇₀ Mg alloys after severe plastic deformation. <i>Acta Materialia</i> , 2006 , 54, 3933-3939	8.4	148
412	Microstructure and mechanical properties of super-strong nanocrystalline tungsten processed by high-pressure torsion. <i>Acta Materialia</i> , 2006 , 54, 4079-4089	8.4	264
411	An overview: Fatigue behaviour of ultrafine-grained metals and alloys. <i>International Journal of Fatigue</i> , 2006 , 28, 1001-1010	5	172
410	Structural features of nanocrystalline nickel subjected to high-pressure torsion. <i>Physics of Metals and Metallography</i> , 2006 , 101, 75-82	1.2	1
409	Superplastic behavior of magnesium-based Mg-10 wt % Gd alloy after severe plastic deformation by torsion. <i>Physics of Metals and Metallography</i> , 2006 , 101, 585-590	1.2	22
408	Superplasticity of nanostructured metallic materials obtained by methods of severe plastic deformation. <i>Metal Science and Heat Treatment</i> , 2006 , 48, 47-53	0.6	4
407	Elevated Temperature Deformation Characteristics of Nanocrystalline Materials 2006 , 277-284		1
406	Structure and Properties of Ti Alloys Processed by ECAP 2006 , 169-174		2
405	Microstructure and Mechanical Properties of Long, Ultrafine-Grained Ti Rods 2006 , 235-240		3
404	Improving the Mechanical Properties of Ti-6Al-4V Alloy by Equal Channel Angular Pressing 2006 , 241-246		3
403	The Influence of the SPD Regimes on Superplastic Behavior of an Aluminum Alloy 2006 , 299-304		2

402	Effects of irradiation on the microstructure and mechanical properties of nanostructured materials. <i>Philosophical Magazine</i> , 2005 , 85, 723-735	1.6	74
401	Severe Plastic Deformation by Twist Extrusion 2005 , 511-516		3
400	On the Influence of Temperature and Strain Rate on the Flow Stress of ECAP Nickel 2005 , 131-137		1
399	Formation of Nanostructure during High-Pressure Torsion of Al-Zn, Al-Mg and Al-Zn-Mg Alloys. <i>Defect and Diffusion Forum</i> , 2005 , 237-240, 739-744	0.7	14
398	Formation of Powder and Bulk Al-Cu-Fe Quasicrystals, and of Related Phases during Mechanical Alloying and Sintering 2005 , 579-584		
397	The Nature of the Stress-Strain Relationship in Aluminum and Copper over a Wide Range of Strain 2005 , 87-94		1
396	Microstructure and Phase Transformations of HPT NiTi 2005 , 351-356		
395	SPD Structures Associated with Shear Bands in Cold-Rolled Low SFE Metals 2005 , 517-522		0
394	On Annealing Mechanisms Operating in Ultra Fine Grained Alloys 2005 , 780-785		
393	Commercialization of Nanostructured Metals Produced by Severe Plastic Deformation Processing 2005 , 787-797		
392	Deformation Substructure and Mechanical Properties of BCC-Polycrystals 2005 , 72-79		
391	Evolution of Mechanical and Microstructural Properties of ECAP Deformed Copper 2005 , 257-262		2
390	ARB (Accumulative Roll-Bonding) and Other New Techniques to Produce Bulk Ultrafine Grained Materials 2005 , 477-490		2
389	Atomistic Modeling of Strength of Nanocrystalline Metals 2005 , 597-608		1
388	Theoretical Investigation of Nonequilibrium Grain Boundary Diffusion Properties 2005 , 773-779		
387	Investigation of Phase Transformations in Nanostructured Materials Produced by Severe Plastic Deformation 2005 , 118-124		
386	Development of Microstructure and Thermal Stability of Nano-Structured Chromium Processed by Severe Plastic Deformation 2005 , 654-659		4
385	Formation of a Submicrocrystalline Structure in Titanium during Successive Uniaxial Compression in Three Orthogonal Directions 2005 , 691-697		1

- 384 Creep Behaviour of Pure Aluminium Processed by Equal-Channel Angular Pressing **2005**, 200-206
- 383 Properties of Aluminum Alloys Processed by Equal Channel Angular Pressing Using a 60 Degrees Die **2005**, 459-464
- 382 High Strain Rate Superplasticity in an Micrometer-Grained Al-Li Alloy Produced by Equal-Channel Angular Extrusion **2005**, 717-721 1
- 381 Deformation Behaviour of ECAP Cu as Described by a Dislocation-Based Model **2005**, 245-250
- 380 The Role of Hydrostatic Pressure in Severe Plastic Deformation **2005**, 433-446 5
- 379 The Meaning of Size Obtained from Broadened X-Ray Diffraction Peaks **2005**, 393-406
- 378 Developing of Structure and Properties in Low-Carbon Steels during Warm and Hot Equal Channel Angular Pressing **2005**, 804-809
- 377 Mechanical Properties of Severely Plastically Deformed Titanium **2005**, 810-816 2
- 376 Structure and Functional Properties of Ti-Ni-Based Shape Memory Alloys Subjected to Severe Plastic Deformation **2005**, 170-176
- 375 TEM Investigations of Ti Deformed by ECAP **2005**, 369-374 1
- 374 Effect of Grain Boundary Phase Transitions on the Superplasticity in the Al₇₀Zn System **2005**, 642-647
- 373 Mechanical Properties of AZ91 Alloy after Equal Channel Angular Pressing **2005**, 190-193
- 372 Effect of Grain Size on Microstructure Development during Deformation in Polycrystalline Iron **2005**, 345-350
- 371 The Influence of Type and Path of Deformation on the Microstructural Evolution during Severe Plastic Deformation **2005**, 684-690 1
- 370 Features of Microstructure and Phase State in an Al-Li Alloy after ECA Pressing and High Strain Rate Superplastic Flow **2005**, 734-739 1
- 369 Formation of Submicrocrystalline Structure in Large-Scale Ti-6Al-4V Billets during Warm Severe Plastic Deformation **2005**, 835-840 2
- 368 Texture Evolution in Severe Plastic Deformation by Equal Channel Angular Extrusion **2005**, 279-296 2
- 367 Unique Features and Properties of Nanostructured Materials **2005**, 2-17 1

366	Ultra Grain Refinement of Fe-Based Alloys by Accumulated Roll Bonding 2005 , 530-536		
365	Cyclic Deformation Behaviour and Possibilities for Enhancing the Fatigue Properties of Ultrafine-Grained Metals 2005 , 677-683		6
364	Microstructural Stability and Tensile Properties of Nanostructured Low Carbon Steels Processed by ECAP 2005 , 616-622		
363	The Effect of Second-Phase Particles on the Severe Deformation of Aluminium Alloys during Equal Channel Angular Extrusion 2005 , 138-144		
362	Stage IV: Microscopic or Mesoscopic Effect? 2005 , 65-71		
361	Characteristics of Nano Grain Structure in SPD-PM Processed AISI304L Stainless Steel Powder 2005 , 571-578		
360	Self-Diffusion of ¹⁴⁷ Nd in Nanocrystalline Nd ₂ Fe ₁₄ B 2005 , 767-772		1
359	Severely Plastically Deformed Ti from the Standpoint of Texture Changes 2005 , 309-314		
358	Phase Transformation in Crystalline and Amorphous Rapidly Quenched Nd-Fe-B Alloys under SPD 2005 , 165-169		1
357	X-Ray Peak Profile Analysis on the Microstructure of Al-5.9%Mg-0.3%Sc-0.18%Zr Alloy Deformed by High Pressure Torsion Straining 2005 , 420-425		
356	Nanostructured TiNi-based shape memory alloys processed by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 410-411, 386-389	5-3	97
355	Grain boundary statistics in nano-structured iron produced by high pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 390, 159-165	5-3	55
354	Elevated temperature behavior of SePD materials: Superplasticity or enhanced ductility?. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 410-411, 413-416	5-3	13
353	Contribution of early works by Terence G. Langdon to modern materials science. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 410-411, 5-7	5-3	1
352	Equal channel angular pressing of metal matrix composites: Effect on particle distribution and fracture toughness. <i>Acta Materialia</i> , 2005 , 53, 4919-4930	8.4	136
351	Dry-sliding tribological properties of ultrafine-grained Ti prepared by severe plastic deformation. <i>Acta Materialia</i> , 2005 , 53, 5167-5173	8.4	110
350	Grain size refinement due to relaxation of disclination junction configurations in the course of plastic deformation of polycrystals. <i>Physics of the Solid State</i> , 2005 , 47, 845	0.8	13
349	A mechanism of grain nucleation during relaxation of the latent energy of junction disclinations in the course of plastic deformation. <i>Technical Physics Letters</i> , 2005 , 31, 1015-1018	0.7	6

348	The First Observation of a Shear-Induced bcc-fcc Transformation in Nanocrystalline Ferrite. <i>Advanced Engineering Materials</i> , 2005 , 7, 1011-1014	3.5	25
347	Effect of severe plastic deformation and thermomechanical treatment on the structure and properties of titanium. <i>Metal Science and Heat Treatment</i> , 2005 , 47, 512-515	0.6	5
346	Optimal SPD Processing of Plates by Constrained Groove Pressing (CGP) 2005 , 491-497		1
345	Influence of the Processing Parameters at High Pressure Torsion 2005 , 447-452		6
344	Characterization and Mechanical Properties of Nanostructured Copper Obtained by Powder Metallurgy 2005 , 545-550		
343	Production and Consolidation of Nanocrystalline Fe Based Alloy Powders 2005 , 585-590		1
342	Multiscale Studies and Modeling of SPD Materials 2005 , 609-615		
341	Dependence of Thermal Stability of Ultra Fine Grained Metals on Grain Size 2005 , 630-635		
340	Achieving a Superplastic Forming Capability through Severe Plastic Deformation 2005 , 699-710		1
339	Microstructure Refinement and Improvement of Mechanical Properties of a Magnesium Alloy by Severe Plastic Deformation 2005 , 740-745		2
338	Grain Refinement and Superplastic Properties of Cu-Zn Alloys Processed by Equal-Channel Angular Pressing 2005 , 746-751		
337	Properties, Benefits and Application of Nanocrystalline Structures in Magnetic Materials 2005 , 18-29		
336	Formation of Nanostructures in Metals and Composites by Mechanical Means 2005 , 30-36		2
335	Process Modeling of Equal Channel Angular Pressing 2005 , 239-244		
334	Features of Mechanical Behaviour and Structure Evolution of Submicrocrystalline Titanium under Cold Deformation 2005 , 523-529		
333	Densification of Magnesium Particles by ECAP with a Back-Pressure 2005 , 551-557		2
332	Microstructure and Thermal Stability of Tungsten Based Materials after Severe Plastic Deformation 2005 , 648-653		3
331	Ways to Improve Strength of Titanium Alloys by Means of Severe Plastic Deformation 2005 , 817-821		

- 330 Disclination-Based Modelling of Grain Fragmentation during Cold Torsion and ECAP in Aluminium Polycrystals **2005**, 226-232
- 329 Modeling of Deformation Behavior and Texture Development in Aluminium under Equal Channel Angular Pressing **2005**, 233-238 1
- 328 Textural Evolution during Equal Channel Angular Extrusion versus Planar Simple Shear **2005**, 297-302
- 327 Quantitative Microstructural Analysis of IF Steel Processed by Equal Channel Angular Extrusion **2005**, 332-338 3
- 326 Grain Refinement and Microstructural Evolution in Nickel during High-Pressure Torsion **2005**, 387-392 1
- 325 Features of Equal Channel Angular Pressing of Hard-to-Deform Materials **2005**, 471-476
- 324 Importance of Disclination in Severe Plastically Deformed Materials **2005**, 213-225
- 323 Mechanically Activated Powder Metallurgy: A Suitable Way to Dense Nanostructured Materials **2005**, 537-544
- 322 Processing and Characterization of Nanocrystalline Aluminum Obtained by Hot Isostatic Pressing (HIP) **2005**, 564-570
- 321 Microstructure and Mechanical Properties of Severely Deformed Al-3Mg and its Evolution during Subsequent Annealing Treatment **2005**, 623-629
- 320 Superplastic Behavior of Deformation Processed Cu-Ag Nanocomposites **2005**, 728-733
- 319 Modelling the Draw Hardening of a Nanolamellar Composite: A Multiscale Transition Method **2005**, 101-106
- 318 Influence of the Thermal Anisotropy Internal Stresses on Low Temperature Mechanical Behavior of Polycrystalline and Nanostructured Ti **2005**, 151-157
- 317 Formation of Submicrocrystalline Structure in the Hard Magnetic Alloy Fe-15wt.%Co-25%Cr during Straining by Complex Loading **2005**, 177-182
- 316 Influence of Microstructural Heterogeneity on the Mechanical Properties of Nanocrystalline Materials Processed by Severe Plastic Deformation **2005**, 194-199
- 315 Boundary Characteristics in Heavily Deformed Metals **2005**, 321-331
- 314 Microstructure Development of Copper Single Crystal Deformed by Equal Channel Angular Pressing **2005**, 363-368
- 313 Ultra Fine Grained Copper Prepared by High Pressure Torsion: Spatial Distribution of Defects from Positron Annihilation Spectroscopy **2005**, 407-412

312 Nanocrystallization in Carbon Steels by Various Severe Plastic Deformation Processes **2005**, 505-510

311 Recent Progress in Developing Bulk Nanostructured SPD Materials with Unique Properties. *Solid State Phenomena*, **2005**, 101-102, 3-12 0.4 1

310 Metastable Nanostructured SPD Ti-Ni Alloys with Unique Properties. *Journal of Metastable and Nanocrystalline Materials*, **2005**, 24-25, 7-12 0.2 16

309 Strain Hardening by Formation of Nanoplatelets **2005**, 95-100 0

308 A Composite Grain Model of Strengthening for SPD Produced UFG Materials **2005**, 263-270

307 Effects of ECAP Processing on Mechanical and Aging Behaviour of an AA6082 Alloy **2005**, 145-150

306 Formation mechanism of fivefold deformation twins in nanocrystalline face-centered-cubic metals. *Applied Physics Letters*, **2005**, 86, 103112 3.4 102

305 Plastic flow localization in bulk tungsten with ultrafine microstructure. *Applied Physics Letters*, **2005**, 86, 101907 3.4 90

304 Microstructural Evolution during Severe Deformation in Austenitic Stainless Steel with Second Phase Particles **2005**, 375-380

303 Structures, Properties, and Application of Nanostructured Shape Memory TiNi-Based Alloys **2005**, 822-828 3

302 Development of Crystallographic Texture and Microstructure in Cu and Ti, Subjected to Equal-Channel Angular Pressing **2005**, 315-320

301 Microstructure and Properties of a Low Carbon Steel after Equal Channel Angular Pressing **2005**, 829-834

300 Excellent Mechanical Properties of Nickel Processed by High Pressure Technique. *Solid State Phenomena*, **2005**, 101-102, 49-54 0.4 5

299 Experimental Investigations of the Al-Mg-Si Alloy Subjected to Equal-Channel Angular Pressing **2005**, 183-189 0

298 Enhanced mechanical properties in ultrafine grained 7075 Al alloy. *Journal of Materials Research*, **2005**, 20, 288-291 2.5 48

297 Computer Simulation for X-Ray Analysis of Nanostructured Cu Processed by Severe Plastic Deformation. *Materials Science Forum*, **2004**, 443-444, 99-102 0.4

296 Bulk Nanostructured SPD Materials with Unique Properties. *Journal of Metastable and Nanocrystalline Materials*, **2004**, 20-21, 366-375 0.2

295 Microstructural Aspects in Superplasticity of Ultrafine-Grained SPD Alloys. *Materials Science Forum*, **2004**, 447-448, 411-416 0.4 1

294	Nanocrystallization Induced by Severe Plastic Deformation of Amorphous Alloys. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004 , 22, 21-26	0.2	23
293	Structures and Mechanical Properties of ECAP Processed 7075 Al Alloy upon Natural Aging and T651 Treatment. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 821, 343		2
292	Nanostructuring of metals by severe plastic deformation for advanced properties. <i>Nature Materials</i> , 2004 , 3, 511-6	27	1111
291	The use of severe deformations for preparing bulk nanocrystalline materials from amorphous alloys. <i>Doklady Physics</i> , 2004 , 49, 519-521	0.8	17
290	Microstructure and microhardness of cryomilled bulk nanocrystalline Al ₇₀ .5%Mg alloy consolidated by high pressure torsion. <i>Scripta Materialia</i> , 2004 , 51, 209-214	5.6	97
289	Shear bands in cyclically deformed ultrafine grained copper processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 387-389, 560-564	5.3	36
288	The use of severe plastic deformation techniques in grain refinement. <i>Jom</i> , 2004 , 56, 64-68	2.1	94
287	Temperature effects on the fatigue behavior of ultrafine-grained copper produced by equal channel angular pressing. <i>Physica Status Solidi A</i> , 2004 , 201, R119-R122		14
286	Influence of temperature and hydrostatic pressure during equal-channel angular pressing on the microstructure of commercial-purity Ti. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 387-389, 674-677	5.3	47
285	The effect of equal-channel angular pressing on the structure and mechanical behavior of Ti ₆₀ Al ₄₀ V alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 387-389, 805-808	5.3	68
284	Reduction of friction coefficient of ultrafine-grained CP titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 371, 313-317	5.3	80
283	Continuous processing of ultrafine grained Al by ECAP on form. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 382, 30-34	5.3	323
282	Formation of nanograined structure and decomposition of supersaturated solid solution during high pressure torsion of Al ₇₀ Zn and Al ₇₀ Mg alloys. <i>Acta Materialia</i> , 2004 , 52, 4469-4478	8.4	223
281	Microstructures and mechanical properties of ultrafine grained 7075 Al alloy processed by ECAP and their evolutions during annealing. <i>Acta Materialia</i> , 2004 , 52, 4589-4599	8.4	680
280	Strength and Ductility of Nanostructured SPD Metals 2004 , 79-90		1
279	Amorphization of TiNi induced by high-pressure torsion. <i>Philosophical Magazine Letters</i> , 2004 , 84, 183-190		114
278	Grain-size effect on the deformation mechanisms of nanostructured copper processed by high-pressure torsion. <i>Journal of Applied Physics</i> , 2004 , 96, 636-640	2.5	149
277	Deformation twinning in nanocrystalline copper at room temperature and low strain rate. <i>Applied Physics Letters</i> , 2004 , 84, 592-594	3.4	364

276	Annealing treatments to enhance thermal and mechanical stability of ultrafine-grained metals produced by severe plastic deformation. <i>International Journal of Materials Research</i> , 2003 , 94, 1079-1083		84
275	Processing of nanostructured TiNi-shape memory alloys: Methods, structures, properties, application. <i>European Physical Journal Special Topics</i> , 2003 , 112, 659-662		19
274	Textures in nanostructured metals processed by severe plastic deformation. <i>Metals and Materials International</i> , 2003 , 9, 151-156	2.4	36
273	The formation of PSB-like shear bands in cyclically deformed ultrafine grained copper processed by ECAP. <i>Scripta Materialia</i> , 2003 , 48, 1605-1609	5.6	95
272	Characteristics of superplasticity in an ultrafine-grained aluminum alloy processed by ECA pressing. <i>Scripta Materialia</i> , 2003 , 49, 467-472	5.6	71
271	Annealing behaviour of nanostructured carbon steel produced by severe plastic deformation. <i>Scripta Materialia</i> , 2003 , 49, 947-952	5.6	92
270	Paradoxes of Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2003 , 5, 296-300	3.5	80
269	RF nitriding of severely deformed Armco iron and St2K50. <i>Surface and Coatings Technology</i> , 2003 , 174-175, 1164-1170	4.4	8
268	Structure and properties of amorphous and nanocrystalline NiTi prepared by severe plastic deformation and annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 339, 159-165	5.3	241
267	Grain refinement and properties of pure Ti processed by warm ECAP and cold rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 343, 43-50	5.3	309
266	RF plasma nitriding of severely deformed iron-based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 348, 100-110	5.3	36
265	The mechanism of formation of nanostructure and dissolution of cementite in a pearlitic steel during high pressure torsion. <i>Acta Materialia</i> , 2003 , 51, 5555-5570	8.4	341
264	Nanostructures in Ti processed by severe plastic deformation. <i>Journal of Materials Research</i> , 2003 , 18, 1908-1917	2.5	193
263	Microstructures and mechanical properties of ultrafine-grained Ti foil processed by equal-channel angular pressing and cold rolling. <i>Journal of Materials Research</i> , 2003 , 18, 1011-1016	2.5	30
262	Grain Refinement and Mechanical Properties of Nickel Subjected to Severe Plastic Deformation. <i>Solid State Phenomena</i> , 2003 , 94, 51-54	0.4	7
261	Recent Developments of SPD Processing for Fabrication of Bulk Nanostructured Materials. <i>Materials Science Forum</i> , 2003 , 426-432, 237-244	0.4	9
260	The Nanostructured TiNi Shape-Memory Alloys: New Properties and Applications. <i>Solid State Phenomena</i> , 2003 , 94, 13-24	0.4	30
259	Characterization of the Microstructure of Severely Deformed Titanium by X-Ray Diffraction Profile Analysis. <i>Materials Science Forum</i> , 2003 , 414-415, 229-234	0.4	10

258	Bulk Nanostructured SPD Materials with Advanced Properties 2003 , 239-249		1
257	RF plasma nitriding of a severely deformed high alloyed steel. <i>Scripta Materialia</i> , 2002 , 46, 623-628	5.6	33
256	Nanostructured bulk Al90Fe5Nd5 prepared by cold consolidation of gas atomised powder using severe plastic deformation. <i>Scripta Materialia</i> , 2002 , 46, 711-716	5.6	82
255	Thermal stability and microstructural evolution in ultrafine-grained nickel after equal-channel angular pressing (ECAP). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002 , 33, 1865-1868	2.3	46
254	Superplastic behaviour of ultrafine-grained Ti6Al4V alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 323, 318-325	5.3	119
253	The Disclination Approach to Nanostructured SPD Materials. <i>Solid State Phenomena</i> , 2002 , 87, 255-264	0.4	8
252	Nanostructured Metals Transformation Study by Means of Electroactive Polymer. <i>Defect and Diffusion Forum</i> , 2002 , 208-209, 261-266	0.7	
251	Bulk Nanostructured Materials Produced by Severe Plastic Deformation under High Pressure. <i>Defect and Diffusion Forum</i> , 2002 , 208-209, 141-150	0.7	2
250	Microstructural study of the parameters governing coarsening and cyclic softening in fatigued ultrafine-grained copper. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2002 , 82, 1781-1794		182
249	Low-temperature deformation and fracture of bulk nanostructural titanium obtained by intense plastic deformation using equal channel angular pressing. <i>Low Temperature Physics</i> , 2002 , 28, 864-874	0.7	20
248	Alliage nanocristallin Fe-1 %pds C obtenu par torsion sous haute pression de poudres préparées par broyage. <i>Annales De Chimie: Science Des Materiaux</i> , 2002 , 27, 45-53	2.1	8
247	Paradox of Strength and Ductility in Metals Processed Bysevere Plastic Deformation. <i>Journal of Materials Research</i> , 2002 , 17, 5-8	2.5	951
246	Development of severe plastic deformation techniques for the fabrication of bulk nanostructured materials. <i>Annales De Chimie: Science Des Materiaux</i> , 2002 , 27, 3-14	2.1	21
245	Particularité de la structure et des transformations de phase dans les alliages à mémoire de forme à base de TiNi après déformation plastique intense. <i>Annales De Chimie: Science Des Materiaux</i> , 2002 , 27, 77-88	2.1	78
244	Microstructural study of the parameters governing coarsening and cyclic softening in fatigued ultrafine-grained copper. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2002 , 82, 1781-1794		7
243	Developing SPD methods for processing bulk nanostructured materials with enhanced properties. <i>Metals and Materials International</i> , 2001 , 7, 413-420	2.4	50
242	Evolution of defect substructure of metal alloys at microscopic and mesoscopic level under torsion. <i>Theoretical and Applied Fracture Mechanics</i> , 2001 , 35, 155-161	3.7	9
241	Mechanical behavior and superplasticity of a severe plastic deformation processed nanocrystalline Ti6Al4V alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 298, 44-50	5.3	128

240	Influence of ECAP routes on the microstructure and properties of pure Ti. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 299, 59-67	5.3	381
239	Enhanced superplastic properties in bulk metastable nanostructured alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 206-210	5.3	42
238	The contribution of grain boundary dislocations to the plastic deformation of nanostructured titanium from the SD-effect of the yield stress. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 309-310, 524-527	5.3	28
237	Deformation behavior of nanostructured aluminum alloy processed by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 877-881	5.3	77
236	Superplasticity in nanocrystalline Ni3Al. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 849-853	5.3	20
235	Cyclic behavior of ultrafine-grain titanium produced by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 318, 163-173	5.3	171
234	Microstructure and properties of pure Ti processed by ECAP and cold extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 303, 82-89	5.3	258
233	TEM investigation of multidirectionally deformed copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 242-245	5.3	22
232	A paradox of severe plastic deformation in metals. <i>Doklady Physics</i> , 2001 , 46, 633-635	0.8	4
231	Grain boundary diffusion characteristics of nanostructured nickel. <i>Scripta Materialia</i> , 2001 , 44, 873-878	5.6	185
230	The developing of nanostructured spd ti for structural use. <i>Scripta Materialia</i> , 2001 , 44, 1771-1774	5.6	50
229	Developing of SPD processing and enhanced properties in bulk nanostructured metals. <i>Scripta Materialia</i> , 2001 , 44, 1605-1608	5.6	52
228	Nanostructures and unique properties in intermetallics, subjected to severe plastic deformation. <i>Scripta Materialia</i> , 2001 , 44, 1747-1750	5.6	34
227	A numerical modelling and investigations of flow stress and grain refinement during equal-channel angular pressing. <i>Scripta Materialia</i> , 2001 , 44, 1765-1769	5.6	38
226	Microhardness and microstructural evolution in pure nickel during high-pressure torsion. <i>Scripta Materialia</i> , 2001 , 44, 2753-2758	5.6	257
225	Advanced mechanical properties of pure titanium with ultrafine grained structure. <i>Scripta Materialia</i> , 2001 , 45, 747-752	5.6	279
224	Nanostructure Formation and Mechanical Alloying in the Wheel/Rail Contact Area of High Speed Trains in Comparison with Other Synthesis Routes. <i>Materials Science Forum</i> , 2001 , 360-362, 175-182	0.4	7
223	Grain Refinement and Enhanced Superplasticity in Metallic Materials. <i>Materials Science Forum</i> , 2001 , 357-359, 449-458	0.4	5

222	Equal-Channel Angular Pressing, Microstructure and Hysteresis Properties of Ultrafine - Grained Pr20Fe73.5B5Cu1.5 - Alloy. <i>Materials Science Forum</i> , 2001 , 373-376, 265-268	0.4	
221	TEM/HREM observations of nanostructured superplastic Ni3Al. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001 , 81, 25-36		46
220	Deformation behavior and plastic instabilities of ultrafine-grained titanium. <i>Applied Physics Letters</i> , 2001 , 79, 611-613	3.4	378
219	High-strain-rate superplasticity from nanocrystalline Al alloy 1420 at low temperatures. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001 , 81, 37-48		89
218	Microstructures and properties of ultrafine-grained pure titanium processed by equal-channel angular pressing and cold deformation. <i>Journal of Nanoscience and Nanotechnology</i> , 2001 , 1, 237-42	1.3	17
217	Processing nanocrystalline Ti and its nanocomposites from micrometer-sized Ti powder using high pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 282, 78-85	5.3	112
216	Charge transfer in a metal-polymer-nanocrystalline metal system. <i>Physics of the Solid State</i> , 2000 , 42, 1935-1941	0.8	10
215	Bulk nanostructured materials from severe plastic deformation. <i>Progress in Materials Science</i> , 2000 , 45, 103-189	42.2	5139
214	Enhanced superplasticity in a Ti-6Al-4V alloy processed by severe plastic deformation. <i>Scripta Materialia</i> , 2000 , 43, 819-824	5.6	109
213	Structure and Properties of Steel St3 After Hot Equal-Channel Angular Pressing. <i>Metal Science and Heat Treatment</i> , 2000 , 42, 366-369	0.6	
212	Producing nanoscale microstructures through severe plastic deformation. <i>Jom</i> , 2000 , 52, 27-28	2.1	74
211	Understanding the unique properties of SPD-induced microstructures. <i>Jom</i> , 2000 , 52, 37-40	2.1	20
210	Obtaining a nanostructure in titanium by equal-channel angular pressing. <i>Metal Science and Heat Treatment</i> , 2000 , 42, 361-365	0.6	
209	Ceramic Coatings on the High-Strength Titanium as Prospective Material for Orthopaedic Implants. <i>Key Engineering Materials</i> , 2000 , 192-195, 215-218	0.4	2
208	X-Ray Analysis of Bulk Nanostructured Metals. <i>Materials Science Forum</i> , 2000 , 321-324, 577-582	0.4	6
207	SPD Processing and Properties of Metastable Nanostructured Alloys. <i>Materials Science Forum</i> , 2000 , 343-346, 773-778	0.4	1
206	X-Ray Study of Microstructure and Grain Boundary Statistics in Nanocrystalline Materials 2000 , 215-222		
205	Characterization of Ultrafine-Grained Structures Produced by Severe Plastic Deformation 2000 , 155-162		

204	Crystal Lattice Distorsions in Ultrafine-Grained Metals Produced by Severe Plastic Deformation 2000 , 127-132		1
203	SPD Processing and Enhanced Properties in Metallic Materials 2000 , 221-230		3
202	Copper Grain Boundary Diffusion and Diffusion Induced Creep in Nanostructured Nickel 2000 , 261-265		10
201	The Development of Ultrafine-Grained Ti for Medical Applications 2000 , 367-372		6
200	Texture and Young's Modulus Anisotropy in Nanostructured Copper. <i>Textures and Microstructures</i> , 1999 , 32, 321-339		2
199	Bulk Nanostructured Metastable Alloys Prepared by Severe Plastic Deformation. <i>Materials Science Forum</i> , 1999 , 307, 185-190	0.4	2
198	Fabrication and thermal stability of a nanocrystalline NiAlCr alloy: Comparison with pure Cu and Ni. <i>Journal of Materials Research</i> , 1999 , 14, 4200-4207	2.5	43
197	Enhanced Superplasticity of Ultrafine-Grained Alloys Processed by Severe Plastic Deformation. <i>Materials Science Forum</i> , 1999 , 304-306, 39-46	0.4	13
196	Thermal evolution of high-purity and boron-doped sub-microcrystalline Ni3Al produced by severe plastic deformation. <i>Acta Materialia</i> , 1999 , 47, 3301-3311	8.4	35
195	Structure of silicon processed by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 266, 205-210	5.3	44
194	Developing superplastic properties in an aluminum alloy through severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 272, 63-72	5.3	87
193	Low-temperature superplasticity in nanostructured nickel and metal alloys. <i>Nature</i> , 1999 , 398, 684-686	50.4	526
192	Hardening of low-carbon, high-strength steel by deformation in the intercritical temperature range. <i>Metal Science and Heat Treatment</i> , 1999 , 41, 202-206	0.6	
191	Deformation mechanisms and tensile superplasticity in nanocrystalline materials. <i>Jom</i> , 1999 , 51, 37-40	2.1	39
190	Metastable states in R2Fe14B-based alloys processed by severe plastic deformation. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 166-168	2.8	19
189	Severe plastic deformation processing and high strain rate superplasticity in an aluminum matrix composite. <i>Scripta Materialia</i> , 1999 , 40, 1151-1155	5.6	27
188	Nanocrystalline structure and phase transformation of the intermetallic compound TiAl processed by severe plastic deformation. <i>Scripta Materialia</i> , 1999 , 11, 17-23		48
187	Nanostructured materials from severe plastic deformation. <i>Scripta Materialia</i> , 1999 , 12, 35-40		99

186	Deformation-induced nonequilibrium grain-boundary phase in submicrocrystalline iron. <i>Scripta Materialia</i> , 1999 , 11, 1017-1029		13
185	A two step SPD processing of ultrafine-grained titanium. <i>Scripta Materialia</i> , 1999 , 11, 947-954		189
184	Self-diffusion in high-density nanocrystalline Fe. <i>Scripta Materialia</i> , 1999 , 12, 681-684		51
183	Nanostructures from severe plastic deformation and mechanisms of large-strain work hardening. <i>Scripta Materialia</i> , 1999 , 12, 709-712		20
182	Formation of metastable states in nanostructured Al- and Ti-based alloys by the SPTS technique. <i>Scripta Materialia</i> , 1999 , 12, 923-926		10
181	SPD Processing and Superplasticity in Ultrafine-Grained Alloys. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 601, 335		1
180	Microstructure of Aluminum-Iron Alloys Subjected to Severe Plastic Deformation. <i>Scripta Materialia</i> , 1998 , 38, 1511-1516	5.6	80
179	Strengthening and grain refinement in an Al-6061 metal matrix composite through intense plastic straining. <i>Scripta Materialia</i> , 1998 , 40, 117-122	5.6	78
178	Fabrication of bulk ultrafine-grained materials through intense plastic straining. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 2237-2243	2.3	109
177	Microstructures and properties of nanocomposites obtained through SPTS consolidation of powders. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 2253-2260	2.3	102
176	Age hardening and the potential for superplasticity in a fine-grained Al-Mg-Li-Zr alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 169-177	2.3	35
175	Microstructural characteristics and superplastic ductility in a Zn-22% Al alloy with submicrometer grain size. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 241, 122-128	5.3	129
174	TEM, XRD and Raman scattering of germanium processed by severe deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 249, 152-157	5.3	25
173	Tensile superplasticity in a nanocrystalline nickel aluminide. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 252, 174-178	5.3	88
172	Consolidation of nanometer sized powders using severe plastic torsional straining. <i>Scripta Materialia</i> , 1998 , 10, 45-54		85
171	Microstructure and microhardness of an Al-Fe alloy subjected to severe plastic deformation and aging. <i>Scripta Materialia</i> , 1998 , 10, 691-698		97
170	Requirements for achieving high-strain-rate superplasticity in cast aluminium alloys. <i>Philosophical Magazine Letters</i> , 1998 , 78, 313-316	1	62
169	The thermal behavior of atoms in ultrafine-grained Ni processed by severe plastic deformation. <i>Journal of Applied Physics</i> , 1998 , 84, 1924-1927	2.5	24

168	On the Cyclic Response of Ultrafine-Grained Copper. <i>Materials Science Forum</i> , 1998 , 269-272, 987-992	0.4	31
167	Observations of grain boundary structure in submicrometer-grained Cu and Ni using high-resolution electron microscopy. <i>Journal of Materials Research</i> , 1998 , 13, 446-450	2.5	138
166	Processing and Properties of Nanostructured Materials Prepared by Severe Plastic Deformation 1998 , 121-142		14
165	Non-Equilibrium Grain Boundaries in Ultrafine-Grained Materials Processed by Severe Plastic Deformation. <i>Materials Science Forum</i> , 1998 , 294-296, 361-364	0.4	3
164	Investigation of Assemblies of Grain Boundary Dislocations in Nanostructured Copper by Computer Simulation. <i>Materials Science Forum</i> , 1998 , 294-296, 207-210	0.4	1
163	Processing and Mechanical Properties of Nanocrystalline Alloys Prepared by Severe Plastic Deformation. <i>Materials Science Forum</i> , 1998 , 269-272, 969-974	0.4	12
162	Factors influencing the flow and hardness of materials with ultrafine grain sizes. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1998 , 78, 203-216		70
161	Severe Plastic Deformation: New Technique for Powder Consolidation and Grain Size Refinement. <i>Powder Metallurgy</i> , 1998 , 41, 11-13	1.9	17
160	High Strain Rate Superplasticity in Fine-Grained Commercial Al Alloys Processed by Equal-Channel Angular Pressing 1998 , 477-486		2
159	Factors influencing the flow and hardness of materials with ultrafine grain sizes. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1998 , 78, 203-215		14
158	Saturation magnetization and Curie temperature of nanocrystalline nickel. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997 , 75, 803-811		32
157	Advanced Properties of Ultra Fine-Grained Al-Alloys. <i>Materials Science Forum</i> , 1997 , 242, 127-134	0.4	5
156	The crystallite-size dependence of structural parameters in pure ultrafine-grained copper. <i>Journal Physics D: Applied Physics</i> , 1997 , 30, 3008-3015	3	28
155	The observation of tensile superplasticity in nanocrystalline materials. <i>Scripta Materialia</i> , 1997 , 9, 473-476		38
154	Influence of strain rate & temperature on the mechanical response of ultrafine-grained Cu, Ni, and Al-4Cu-0.5Zr. <i>Scripta Materialia</i> , 1997 , 9, 477-480		147
153	High Coercivity in Ultra-Fine Grained PrFeBCu Alloy Prepared by Torsion Deformation 1997 , 673-677		
152	Structural and mechanical properties of nanocrystalline titanium processed by severe plastic deformation. <i>Scripta Materialia</i> , 1997 , 37, 1089-1094	5.6	118
151	OBSERVATIONS OF HIGH STRAIN RATE SUPERPLASTICITY IN COMMERCIAL ALUMINUM ALLOYS WITH ULTRAFINE GRAIN SIZES. <i>Scripta Materialia</i> , 1997 , 37, 1945-1950	5.6	268

150	Structural evolution and the Hall-Petch relationship in an Al ₂ Mg ₃ Li ₂ Zr alloy with ultra-fine grain size. <i>Acta Materialia</i> , 1997 , 45, 4751-4757	8.4	126
149	The X-ray characterization of the ultrafine-grained Cu processed by different methods of severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 234-236, 331-334	5.3	32
148	Structure and mechanical properties of ultrafine-grained metals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 234-236, 59-66	5.3	303
147	Influence of severe plastic deformation on aging effect of Al-Zn-Mg-Cu-Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 234-236, 339-342	5.3	41
146	The Determination of the Grain Boundary Width of Ultrafine Grained Copper and Nickel from Electrical Resistivity Measurements. <i>Physica Status Solidi A</i> , 1997 , 162, 559-566		22
145	Effect of synthesis method on the microstructure of a nanophase Ag - Cu alloy. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 1373-1379	3	6
144	Random disclination ensembles in ultrafine-grained materials produced by severe plastic deformation. <i>Scripta Materialia</i> , 1996 , 34, 729-734	5.6	66
143	Processing of nanostructured nickel by severe plastic deformation consolidation of ball-milled powder. <i>Scripta Materialia</i> , 1996 , 34, 1443-1448	5.6	73
142	Grain boundary distribution and texture in ultrafine-grained copper produced by severe plastic deformation. <i>Scripta Materialia</i> , 1996 , 35, 873-878	5.6	105
141	Structural characterization of nanocrystalline copper by means of x-ray diffraction. <i>Journal of Applied Physics</i> , 1996 , 80, 5617-5624	2.5	50
140	An investigation of grain boundaries in submicrometer-grained Al-Mg solid solution alloys using high-resolution electron microscopy. <i>Journal of Materials Research</i> , 1996 , 11, 1880-1890	2.5	291
139	Computer simulation of X-ray diffraction patterns of nanocrystalline materials. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1996 , 73, 861-872		19
138	Significance of Microstructural Control for Superplastic Deformation and Forming. <i>Materials Transactions, JIM</i> , 1996 , 37, 336-339		76
137	Microstructural characteristics of an ultrafine grain metal processed with equal-channel angular pressing. <i>Materials Characterization</i> , 1996 , 37, 277-283	3.9	35
136	Evolution of grain boundary structure in submicrometer-grained Al-Mg alloy. <i>Materials Characterization</i> , 1996 , 37, 285-294	3.9	28
135	High strength state in low carbon steel with submicron fibrous structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 206, 39-44	5.3	14
134	Grain boundary character distributions and mechanical properties of 304 stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 212, 281-283	5.3	5
133	Enhanced grain growth in an Al-Mg alloy with ultrafine grain size. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 216, 41-46	5.3	80

132	An investigation of microstructural stability in an AlMg alloy with submicrometer grain size. <i>Acta Materialia</i> , 1996 , 44, 2973-2982	8.4	273
131	Microhardness measurements and the Hall-Petch relationship in an Al?Mg alloy with submicrometer grain size. <i>Acta Materialia</i> , 1996 , 44, 4619-4629	8.4	370
130	Structure and deformaton behaviour of Armco iron subjected to severe plastic deformation. <i>Acta Materialia</i> , 1996 , 44, 4705-4712	8.4	553
129	Deformation Behaviour of Ultrafine-Grained Materials. <i>Materials Science Forum</i> , 1996 , 225-227, 739-744	0.4	25
128	Fully Dense Nanocrystalline Nickel by Severe Plastic Deformation Consolidation. <i>Materials Science Forum</i> , 1996 , 225-227, 605-610	0.4	5
127	Superplastic Behaviour of Nanocrystalline Metallic Materials. <i>Materials Science Forum</i> , 1996 , 243-245, 207-216	0.4	29
126	Processing of an Al-Mg-Li-Zr Alloy with Ultra-Fine Grain Size. <i>Materials Science Forum</i> , 1996 , 243-245, 239-244	0.4	9
125	Production of Ultrafine-Grained Metallic Materials Using an Intense Plastic Straining Technique. <i>Materials Science Forum</i> , 1996 , 233-234, 177-185	0.4	9
124	Comparative Structural Studies of nanocrystalline Materials Processed by Different Techniques. <i>Materials Science Forum</i> , 1996 , 235-238, 497-506	0.4	11
123	Effects of Intragranular Deformation on Grain Boundary Sliding in Zinc Bicrystals. <i>Materials Science Forum</i> , 1996 , 207-209, 577-580	0.4	
122	Microstructure Evolution, Interface Distributions and Mechanical Behaviour of Austenitic Stainless Steels. <i>Materials Science Forum</i> , 1996 , 207-209, 601-604	0.4	2
121	Structure and Properties of Grain Boundaries in Ultrafine-Grained Superplastic Materials. <i>Materials Science Forum</i> , 1996 , 207-209, 689-692	0.4	1
120	Grain Boundary Distributions, Texture and Mechanical Properties of Ultrafine-Grained Copper Produced by Severe Plastic Deformation. <i>Materials Science Forum</i> , 1996 , 235-238, 887-892	0.4	4
119	An Investigation of the Properties of an Al-Mg-Li-Zr Alloy after Equal-Channel Angular Pressing. <i>Materials Science Forum</i> , 1996 , 217-222, 1013-1018	0.4	13
118	Nano-Structure and Properties of Severely Deformed TiAl and Their Evolution on Annealing. <i>Materials Science Forum</i> , 1996 , 235-238, 589-594	0.4	3
117	High-Resolution Electron Microscopy Observations of Grain Boundary Structures in Submicrometer-Grained Al-Mg Alloys. <i>Materials Science Forum</i> , 1996 , 204-206, 437-442	0.4	9
116	Fabrication of submicrometer-grained Zn ₂ % Al by torsion straining. <i>Journal of Materials Research</i> , 1996 , 11, 2128-2130	2.5	49
115	Structural Evolution and Validity of Hall-Petch Relationship in an Al-3% Mg Alloy with Submicron Grain Size. <i>Materials Science Forum</i> , 1996 , 204-206, 431-436	0.4	6

114	Structure and strength of submicrometer-grained copper. <i>Physica Status Solidi A</i> , 1995 , 149, 243-252		15
113	Residual stress, strain and faults in nanocrystalline palladium and copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995 , 204, 7-11	5.3	72
112	Grain-boundary distribution in hot-strained 80wt% Ni-20wt% Cr alloy. <i>Philosophical Magazine Letters</i> , 1995 , 71, 39-44	1	4
111	Grain Boundary Character Distribution and Mechanical Properties of Austenitic Stainless Steels. <i>Key Engineering Materials</i> , 1995 , 97-98, 177-182	0.4	
110	Structural Model of Ultrafine Grained Materials Produced by Severe Plastic Deformation. <i>Key Engineering Materials</i> , 1995 , 97-98, 59-64	0.4	3
109	High temperature deformation behavior of titanium samples with superplastic layer. <i>Journal of Materials Research</i> , 1995 , 10, 864-869	2.5	3
108	Structural Investigations of Ultrafine Grained Germanium Produced by Severe Plastic Deformation. <i>Key Engineering Materials</i> , 1995 , 97-98, 79-84	0.4	
107	The effect of plastic strain incompatibility on intragranular slip in zinc bicrystals at elevated temperatures. <i>Scripta Metallurgica Et Materialia</i> , 1995 , 32, 1977-1984		4
106	Approach to nanostructured solids through the studies of submicron grained polycrystals. <i>Scripta Materialia</i> , 1995 , 6, 73-82		100
105	Influence of powder consolidation methods on the structural and thermal properties of a nanophase Cu-50wt%Ag alloy. <i>Scripta Materialia</i> , 1995 , 6, 385-388		53
104	Formation of submicrocrystalline structure in iron and its alloys after severe plastic deformation. <i>Scripta Materialia</i> , 1995 , 6, 433-436		29
103	X-ray pattern simulation in textured nanostructured copper. <i>Scripta Materialia</i> , 1995 , 6, 763-766		3
102	Models of the defect structure and analysis of the mechanical behavior of nanocrystals. <i>Scripta Materialia</i> , 1995 , 6, 775-778		31
101	Diffusion and free volumes in nanocrystalline Pd. <i>Scripta Materialia</i> , 1995 , 6, 869-872		27
100	Yield stress measurements on an Al-1.5% Mg alloy with submicron grain size using a miniature bending procedure. <i>Materials Letters</i> , 1995 , 23, 283-287	3.3	9
99	On the enhanced grain growth in ultrafine grained metals. <i>Acta Metallurgica Et Materialia</i> , 1995 , 43, 4165-4170		131
98	Types of Grain Boundary Sliding: Phenomenology and Dislocation Analysis. <i>Materials Science Forum</i> , 1994 , 170-172, 107-112	0.4	1
97	Grain Boundary Sliding and Accommodation in Aluminium Tricrystal with a 'Pore'. <i>Materials Science Forum</i> , 1994 , 170-172, 101-106	0.4	1

- 96 On the Problem of Grain Boundaries Engineering of Superplastic Materials. *Materials Science Forum*, **1994**, 170-172, 83-88 0.4
- 95 Study of the domain structure of submicron-grained nickel. *Journal of Magnetism and Magnetic Materials*, **1994**, 135, 46-50 2.8 5
- 94 X-Ray Investigations of the Ultrafine-Grained Materials. *Materials Science Forum*, **1994**, 170-172, 153-158 0.4
- 93 On the structure and strength of ultrafine-grained copper produced by severe plastic deformation. *Scripta Metallurgica Et Materialia*, **1994**, 30, 229-234 115
- 92 Deformation behaviour of ultra-fine-grained copper. *Acta Metallurgica Et Materialia*, **1994**, 42, 2467-2475 497
- 91 Influence of severe plastic deformation on structure and phase composition of carbon steel. *Scripta Materialia*, **1994**, 4, 159-167 116
- 90 On the microstructural aspects of the nonhomogeneity of superplastic deformation at the level of grain groups. *Acta Metallurgica Et Materialia*, **1994**, 42, 119-126 66
- 89 Effect of plastic incompatibility on grain boundary sliding in zinc bicrystals. *Scripta Metallurgica Et Materialia*, **1994**, 31, 1705-1710 12
- 88 On the grain boundary statistics in metals and alloys susceptible to annealing twinning. *Acta Metallurgica Et Materialia*, **1994**, 42, 1785-1804 77
- 87 The nanocrystalline structure formation in germanium subjected to severe plastic deformation. *Scripta Materialia*, **1994**, 4, 387-395 10
- 86 Grain Boundary Structure and Mechanical Properties of Nanocrystalline Materials **1994**, 275-282 3
- 85 The effect of heat treatment on the elastic and dissipative properties of copper with the submicrocrystalline structure. *Acta Metallurgica Et Materialia*, **1993**, 41, 1041-1046 107
- 84 An investigation of the role of intragranular dislocation strain in the superplastic Pb-62% Sn eutectic alloy. *Acta Metallurgica Et Materialia*, **1993**, 41, 949-954 142
- 83 Microstructures and hardness of ultrafine-grained Ni₃Al. *Acta Metallurgica Et Materialia*, **1993**, 41, 2953-2962 84
- 82 Grain boundary misorientation spectra (GBMS) determined by real ODF in F.C.C.-materials susceptible to annealing twinning. *Acta Metallurgica Et Materialia*, **1993**, 41, 2657-2665 24
- 81 On the structure, stress fields and energy of nonequilibrium grain boundaries. *Acta Metallurgica Et Materialia*, **1993**, 41, 1033-1040 239
- 80 An investigation of ductility and microstructural evolution in an Al₁₃% Mg alloy with submicron grain size. *Journal of Materials Research*, **1993**, 8, 2810-2818 2.5 181
- 79 Diffusion along nonequilibrium grain boundaries in a nickel-base superalloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1993**, 167, 123-127 5.3 5

78	Investigation of the deformation behavior of samples with superplastic layers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993 , 160, 215-220	5.3	7
77	Structure and properties of ultrafine-grained materials produced by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993 , 168, 141-148	5.3	893
76	Diffusion along grain boundaries with non-equilibrium structure. <i>Physica Status Solidi A</i> , 1993 , 139, 321-335		22
75	Effect of submicron-grain structure on the mechanical properties of low-carbon steels. <i>Metal Science and Heat Treatment</i> , 1993 , 35, 102-106	0.6	1
74	Cavity distribution pattern in a superplastically deformed aluminum alloy. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1993 , 24, 417		14
73	Strain amplitude dependence of internal friction and strength of submicrometre-grained copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993 , 171, 143-149	5.3	19
72	The Hall-Petch relation in submicro-grained Al-1.5% Mg alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992 , 27, 855-860		122
71	Modelling of grain boundary misorientation spectrum in polycrystals with crystallographic texture. <i>Acta Metallurgica Et Materialia</i> , 1992 , 40, 1433-1441		47
70	The effect of triple junction type on grain-boundary sliding and accommodation in aluminium tricrystals. <i>Acta Metallurgica Et Materialia</i> , 1992 , 40, 3349-3356		17
69	Strain induced morphological changes of β and β' phases in Ti3Al alloys during superplastic deformation. <i>Scripta Metallurgica Et Materialia</i> , 1992 , 26, 1707-1712		30
68	The Role of Grain Boundaries in the Electrical Resistance of Submicron Grained Nickel. <i>Physica Status Solidi A</i> , 1992 , 129, 231-236		11
67	On the Coercivity Mechanism in Fe-(REM)-B Magnets. <i>Physica Status Solidi A</i> , 1992 , 129, 263-269		1
66	High Coercive State in Submicrograined Highly Deformed Fe-Cr-Co Alloy. <i>Physica Status Solidi A</i> , 1992 , 129, 529-537		6
65	Grain Boundaries and Saturation Magnetization in Submicron Grained Nickel. <i>Physica Status Solidi A</i> , 1992 , 133, 447-454		32
64	High temperature deformation of a magnesium alloy with controlled grain structures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1992 , 158, 167-175	5.3	3
63	Interaction of high-temperature deformation mechanisms. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1992 , 23, 3135-3140		31
62	The study of domain structure of submicron grained cobalt and its changes during heating. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 110, 73-79	2.8	14
61	Plastic deformation of alloys with submicron-grained structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991 , 137, 35-40	5.3	714

- 60 Mössbauer analysis of submicrometer grained iron. *Scripta Metallurgica Et Materialia*, **1991**, 25, 2717-2722 57
- 59 The nature of the internal and effective stresses in superplastic deformation. *Scripta Metallurgica Et Materialia*, **1991**, 25, 2775-2780 2
- 58 Interfacial free volumes in ultra-fine grained metals prepared by severe plastic deformation, by spark erosion, or by crystallization of amorphous alloys. *Scripta Metallurgica Et Materialia*, **1991**, 25, 2451-2456⁴⁶
- 57 Tem study of a superplastically deformed Ni3Al alloy doped with boron. *Scripta Metallurgica Et Materialia*, **1991**, 25, 1945-1950 14
- 56 Structure and properties of superfine-grained iron compacted out of ultradisperse powder. *Acta Metallurgica Et Materialia*, **1991**, 39, 3193-3197 64
- 55 Direction of a grain-boundary phase in submicrometre-grained iron. *Philosophical Magazine Letters*, **1990**, 62, 253-256 1 55
- 54 Magnetic hysteretic properties of submicron grained nickel and their variations upon annealing. *Journal of Magnetism and Magnetic Materials*, **1990**, 89, 207-213 2.8 40
- 53 Dislocation Analysis of the Coupling of Grain Boundary Sliding and Migration during the Deformation of Zn Bicrystals. *Physica Status Solidi A*, **1990**, 117, 429-436 22
- 52 On the Decrease of Curie Temperature in Submicron-Grained Nickel. *Physica Status Solidi A*, **1990**, 117, 549-553 23
- 51 Grain boundary influence on the electrical resistance of submicron grained copper. *Physica Status Solidi A*, **1990**, 118, K27-K29 12
- 50 On the Hierarchy of Dislocation Descriptions of Grain Boundary Structures. *Physica Status Solidi A*, **1990**, 122, 495-502 8
- 49 Formation of submicrometre-grained structure in magnesium alloy due to high plastic strains. *Journal of Materials Science Letters*, **1990**, 9, 1445-1447 93
- 48 Incorporation model for the spreading of extrinsic grain boundary dislocations. *Scripta Metallurgica Et Materialia*, **1990**, 24, 1929-1934 45
- 47 Investigation of grain boundaries in the TiAl intermetallic compound. *Scripta Metallurgica Et Materialia*, **1990**, 24, 1027-1032 7
- 46 Disclination-structural unit model of grain boundaries. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1989**, 59, 1113-1118 60
- 45 The influence of grain boundaries on the kinetics of solid-phase reactions in a nickel-based superalloy. *Journal of Materials Science Letters*, **1989**, 8, 433-435 3
- 44 The Amorphous Fe83Nd13B4 Alloy Crystallization Kinetics and High Coercivity State Formation. *Physica Status Solidi A*, **1989**, 112, 137-143 20
- 43 The non-equilibrium state of grain boundaries and the grain boundary precipitations in aluminium alloys. *Physica Status Solidi A*, **1989**, 115, 451-457 44

42	Effect of the chemical composition on the structure and mechanical properties of alloys of the system Mn-Al in the magnetic region. <i>Metal Science and Heat Treatment</i> , 1988 , 30, 795-799	0.6	1
41	Grain boundary role and behaviour during high-temperature deformation of polycrystals. <i>European Physical Journal D</i> , 1988 , 38, 401-405		2
40	Grain boundary structure and properties under external influences. <i>Physica Status Solidi A</i> , 1986 , 97, 11-56		170
39	Deformation mechanisms and the theory of structural superplasticity of metals. <i>Physica Status Solidi A</i> , 1985 , 90, 197-206		38
38	Reply to: The comments on "The role of non-equilibrium grain boundary structure in strain induced grain boundary migration" <i>Scripta Metallurgica</i> , 1984 , 18, 639-641		3
37	Non-Equilibrium State and Recovery of Grain Boundary Structure. <i>Physica Status Solidi A</i> , 1983 , 77, 97-105		31
36	Non-equilibrium state and recovery of grain boundary structure. II. Energetic Analysis. <i>Physica Status Solidi A</i> , 1983 , 78, 177-186		47
35	The nature of grain boundary sliding and the superplastic flow. <i>Physica Status Solidi A</i> , 1983 , 78, 439-448		25
34	On the quantitative evaluation of superplastic flow mechanisms. <i>Acta Metallurgica</i> , 1983 , 31, 2121-2128		76
33	The role of non-equilibrium grain boundary structure in strain induced grain boundary migration (recrystallization after small strains). <i>Scripta Metallurgica</i> , 1983 , 17, 853-856		22
32	Mechanism of superplastic deformation of coarse-grained materials. <i>Physica Status Solidi A</i> , 1982 , 70, 371-378		11
31	Spreading of extrinsic grain boundary dislocations on grain boundaries migrating in thin foil. <i>Scripta Metallurgica</i> , 1981 , 15, 795-798		5
30	On the nature of grain boundary structure recovery. <i>Physica Status Solidi A</i> , 1980 , 61, K95-K99		27
29	The observation of intragranular slip during in situ superplastic deformation in the HVEM. <i>Scripta Metallurgica</i> , 1980 , 14, 673-676		15
28	Grain boundaries during superplastic deformation. <i>Physica Status Solidi A</i> , 1979 , 52, 447-453		39
27	Mechanism of superplastic deformation in a magnesium alloy. III. The deformation model. <i>Physica Status Solidi A</i> , 1978 , 45, 77-82		3
26	Peculiarities of dislocation slip during superplastic deformation of Zn-Al alloys. <i>Acta Metallurgica</i> , 1978 , 26, 1877-1886		43
25	Mechanism of superplastic deformation in a magnesium alloy. I. Structural changes and operative deformation mechanisms. <i>Physica Status Solidi A</i> , 1977 , 44, 65-76		54

24	Mechanism of superplastic deformation in a magnesium alloy. II. The role of grain boundaries. <i>Physica Status Solidi A</i> , 1977 , 44, 477-484	35
23	On the nature of superplastic deformation. <i>Physica Status Solidi A</i> , 1976 , 35, 403-413	34
22	Grain Refinement and Texture Formation during High-Strain Torsion of NiAl303-308	1
21	Diffusion-Controlled Processes and Plasticity of Submicrocrystalline Materials722-727	
20	Strain Measurement in the ECAP Process591-596	1
19	Annealed Microstructures in Mechanically Milled Fe-0.6%O Powders558-563	
18	Hydrogen Induced Formation of Silver and Copper Nanoparticles in Soda-Lime Silicate Glasses45-51	
17	Fatigue of Severely Deformed Metals661-676	
16	Evolution of Microstructure during Thermal Treatment in SPD Titanium426-432	
15	Diffusion in Nanocrystalline Metals and Alloys I A Status Report753-766	
14	Production of Superplastic Mg Alloys Using Severe Plastic Deformation711-716	1
13	Equivalent Strains in Severe Plastic Deformation54-64	
12	Comparative Study and Texture Modeling of Accumulative Roll Bonding (ARB) Processed AA8079 and CP-Al498-504	
11	Severe Plastic Deformation by ECAP in an Acommercial Al-Mg-Mn-Alloy251-256	
10	Thermo-Mechanical Properties of Electrodeposited Ultra Fine Grained Cu-Foils for Printed Wiring Boards636-641	
9	Heterogeneity of Microstructure Evolution in NiTi (50 at% Ni) Alloy Severely Deformed by High Pressure Torsion147-154	1
8	High density of shear bands in the Vitreloy bulk metallic glass subjected to high-pressure torsion. <i>IOP Conference Series: Materials Science and Engineering</i> ,1008, 012031	0.4 1
7	The Main Directions in Applied Research and Developments of SPD Nanomaterials in Russia798-803	1

6	Paradoxes of Severe Plastic Deformation107-117	2
5	Types of Grains and Boundaries, Joint Disclinations and Dislocation Structures of SPD-Produced UFG Materials357-362	1
4	Anelastic Properties of Nanocrystalline Magnesium413-419	5
3	Deformation Behaviour of Copper Subjected to High Pressure Torsion465-470	1
2	Bulk Nanostructured Materials by SPD Processing: Techniques, Microstructures and Properties21-48	7
1	Superplastic-Like Behavior and Enhanced Strength of a Two-Phase Titanium Alloy with Ultrafine Grains. <i>Advanced Engineering Materials</i> ,2101592	3.5 0