

Maria Mr Richert

List of Publications by Year in descending order

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papers

730
citations

759055

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46
all docs

46
docs citations

46
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural evolution over a large strain range in aluminium deformed by cyclic-extrusion+compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 260, 275-283.	2.6	231
2	Micro-extrusion of ultra-fine grained aluminium. International Journal of Advanced Manufacturing Technology, 2007, 33, 137-146.	1.5	82
3	Work hardening and microstructure of AlMg5 after severe plastic deformation by cyclic extrusion and compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 355, 180-185.	2.6	56
4	Formation of shear bands during cyclic deformation of aluminium. Acta Metallurgica, 1985, 33, 1971-1978.	2.1	44
5	Characteristic features of microstructure of AlMg5 deformed to large plastic strains. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 301, 237-243.	2.6	43
6	Effect of large deformations on the microstructure of aluminium alloys. Materials Chemistry and Physics, 2003, 81, 528-530.	2.0	29
7	Micro-extrusion of ultrafine grained copper. International Journal of Material Forming, 2008, 1, 455-458.	0.9	27
8	Features of Cyclic Extrusion Compression: Method, Structure & Materials Properties. Solid State Phenomena, 2006, 114, 19-28.	0.3	22
9	Strain hardening of aluminium at high strains. Acta Metallurgica, 1983, 31, 293-298.	2.1	21
10	Mechanical and Tribological Properties of HVOF-Sprayed (Cr3C2-NiCr+Ni) Composite Coating on Ductile Cast Iron. Journal of Materials Engineering and Performance, 2016, 25, 3185-3193.	1.2	19
11	The effect of strain localization on mechanical properties of A199,992 in the range of large deformations. Journal of Materials Processing Technology, 1995, 53, 331-340.	3.1	16
12	The effect of unlimited cumulation of large plastic strains on the structure-softening processes of 99.999 Al. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 129, 1-10.	2.6	14
13	Equal channel angular pressing with converging billets+Experiment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 560, 358-364.	2.6	13
14	Structural parameters of 7020 alloy after heat treatment simulating the welding process. Materials Characterization, 2001, 46, 251-257.	1.9	12
15	New possibilities for intense plastic deformation of aluminium alloys on a special CEC press. International Journal of Material Forming, 2008, 1, 479-482.	0.9	11
16	The Deposition of Wc-CO Coatings by EBPVD Technique. Archives of Metallurgy and Materials, 2012, 57, .	0.6	11
17	Analysis of the Microstructure and Selected Properties of the Aluminium Alloys Used in Automotive Air-Conditioning Systems. Metals, 2018, 8, 10.	1.0	10
18	Deposition of W/a-C:H:Zr and W/a-C:H:W multilayer coatings on substrate made of porous graphite by arc + Electron beam hybrid method. Surface and Coatings Technology, 2016, 300, 19-24.	2.2	9

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19	Flow stress and structure of age-hardened Cu-0.4wt.%Cr alloy after large deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1989, 108, 97-104.	2.6	7
20	The Structure and Bond Strength of Composite Carbide Coatings (WC-Co+Ni) Deposited on Ductile Cast Iron by Thermal Spraying. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 502-509.	1.2	6
21	Effect of Nb+Ti coating on the wetting behavior, interfacial microstructure, and mechanical properties of Al/Al ₂ O ₃ joints. <i>Journal of Materials Science</i> , 2010, 45, 2194-2202.	1.7	5
22	The effect of strain rate on the evolution of microstructure in aluminium alloys. <i>Journal of Microscopy</i> , 2010, 237, 399-403.	0.8	5
23	The Microstructure and Properties of Hydrostatically Extruded Polycrystalline Aluminium Al99.5 / Mikrostruktura i Właściwości Wyciskanego Hydrostatycznie Polikrystalicznego Aluminium Al99.5. <i>Archives of Metallurgy and Materials</i> , 2012, 57, 911-917.	0.6	5
24	Microstructural Refinement under High Plastic Strain Rates during Hydrostatic Extrusion. <i>Solid State Phenomena</i> , 2006, 114, 117-122.	0.3	4
25	Effect of Severe Plastic Deformation on Microstructure and Properties of Polycrystalline Aluminium Al99.5. <i>Archives of Metallurgy and Materials</i> , 2014, 59, 313-316.	0.6	4
26	Structure and properties of dynamically compressed Al99.5 and AlCuZr alloy. <i>Journal of Alloys and Compounds</i> , 2004, 382, 305-310.	2.8	3
27	AgSnBi powder consolidated by CEC reciprocal extrusion. <i>Archives of Civil and Mechanical Engineering</i> , 2014, 14, 580-585.	1.9	3
28	Effect Of Severe Plastic Deformation On Microstructure Evolution Of Pure Aluminium. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 1437-1440.	0.6	3
29	Effect of Ti, Nb, and Ti+Ni Coatings on the Bond Strength-Structure Relationship in Al/Al ₂ O ₃ Joints. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 690-695.	1.2	2
30	The Effect of Dynamic Compression on the Evolution of Microstructure in Aluminium and its Alloys. <i>Archives of Metallurgy and Materials</i> , 2013, 58, 1097-1103.	0.6	2
31	Effect of Plasma Gases on the Structure and Properties of WC-CrC-Ni Coatings. <i>Key Engineering Materials</i> , 0, 641, 105-110.	0.4	2
32	Effect of the Addition of Glassy Carbon on the Structure and Properties of ZrO ₂ -Y ₂ O ₃ Coatings. <i>Key Engineering Materials</i> , 0, 682, 182-188.	0.4	2
33	Perspectives of Microstructure Refinement of Aluminum and Its Alloys by the Reciprocating Extrusion (Cyclic Extrusion Compression "CEC"). <i>Materials</i> , 2022, 15, 4006.	1.3	2
34	Characterisation of Oxide Coatings Produced on Aluminium by PEO at Different Frequencies of Pulsed Current. <i>Materials Science Forum</i> , 2015, 828-829, 427-432.	0.3	1
35	Selection of Protective Coatings Obtained by Plasma Spraying Method for Foundry Industry. <i>Key Engineering Materials</i> , 0, 682, 177-181.	0.4	1
36	Bulk Nanomaterials and Powders Consolidation Produced by Cyclic Extrusion Compression. <i>Key Engineering Materials</i> , 2016, 682, 276-283.	0.4	1

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37	Tribological Wear Behaviour of Electrical Contacts Made from AgNi10 Composite. Archives of Metallurgy and Materials, 2017, 62, 2007-2013.	0.6	1
38	Features of Cyclic Extrusion Compression: Method, Structure & Materials Properties. Solid State Phenomena, 0, , 19-28.	0.3	1
39	The effect of deformation and strain rate on the microstructure refinement of the aluminium alloys (AlCu4Zr0.5 and AlZn6Mg3CuZr). Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1355-1358.	0.8	0
40	Ag Powders Consolidated by Reciprocating Extrusion (CEC). Materials Science Forum, 2010, 667-669, 145-150.	0.3	0
41	Microstructure of AgNi and AgSnBi Powders Consolidated by CEC. Solid State Phenomena, 2012, 186, 130-134.	0.3	0
42	The Possibility of Deposition of Diamond and DLC Coatings by PACVD Method. Key Engineering Materials, 2015, 641, 111-115.	0.4	0
43	The characteristics of welded joints for air conditioning application. AIP Conference Proceedings, 2017, , .	0.3	0
44	Processing of Copper by Hydrostatic Extrusion “ Studies of Microstructure and Properties. Archives of Metallurgy and Materials, 2016, 61, 1575-1580.	0.6	0
45	Risk in the scope of research and innovative technological projects. Acta Innovations, 2020, , 58-67.	0.4	0