

Mohammad Reza Toroghinejad

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1854729/mohammad-reza-toroghinejad-publications-by-year.pdf>

Version: 2024-04-23

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.

136
papers

3,761
citations

36
h-index

56
g-index

140
ext. papers

4,348
ext. citations

3.9
avg, IF

6.04
L-index

#	Paper	IF	Citations
136	Abnormal texture evolution of accumulative roll bonded Al-Cu by adding alumina particles.. <i>Heliyon</i> , 2022 , 8, e08723	3.6	0
135	A study of hot compression behavior of an as-cast FeCrCuNi2Mn2 high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2022 , 896, 162732	5.7	2
134	Grain boundary engineering in roll-bonded copper to overcome the strength-ductility dilemma. <i>Journal of Materials Research and Technology</i> , 2022 , 17, 3198-3204	5.5	0
133	Data supporting the hierarchically activated deformation mechanisms to form ultra-fine grain microstructure in carbon containing FeMnCoCr twinning induced plasticity high entropy alloy.. <i>Data in Brief</i> , 2022 , 42, 108052	1.2	0
132	Effects of carbon and molybdenum on the nanostructural evolution and strength/ductility trade-off in Fe40Mn40Co10Cr10 high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 165108	5.7	4
131	Enhancement of mechanical properties of a novel single phase Ni1.5FeCrCu0.5 HEA through cold rolling and subsequent annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 848, 143360	5.3	0
130	Architected lightweight steel composite: evaluation of the effect of geometrical parameters and annealing treatments on deformation behavior. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 5414-5414	5.5	3
129	Effects of processing parameters on the fracture behaviour of cold roll bonded and accumulative roll bonded AlCu lamellar composites. <i>Materials Science and Technology</i> , 2021 , 37, 1096-1106	1.5	1
128	Effect of Iron content on the microstructure evolution, mechanical properties and wear resistance of FeXCoCrNi high-entropy alloy system produced via MA-SPS. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159410	5.7	6
127	Effect of bimodal microstructure on texture evolution and mechanical properties of 1050 Al alloy processed through severe plastic deformation and subsequent annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 820, 141580	5.3	6
126	Corrosion and wear resistance of coatings produced on AZ31 Mg alloy by plasma electrolytic oxidation in silicate-based K2TiF6 containing solution: Effect of waveform. <i>Journal of Magnesium and Alloys</i> , 2021 ,	8.8	1
125	Hierarchically activated deformation mechanisms to form ultra-fine grain microstructure in carbon containing FeMnCoCr twinning induced plasticity high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 824, 141803	5.3	5
124	Effects of Process Control Agent Amount, Milling Time, and Annealing Heat Treatment on the Microstructure of AlCrCuFeNi High-Entropy Alloy Synthesized through Mechanical Alloying. <i>Metals</i> , 2021 , 11, 1493	2.3	2
123	Investigation of hardness, wear and magnetic properties of NiCoCrFeZrx HEA prepared through mechanical alloying and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2021 , 892, 161924	5.7	4
122	A texture study of nanostructured AlCu multi-layered composite manufactured via the accumulative roll bonding (ARB). <i>Journal of Materials Research and Technology</i> , 2021 , 14, 2909-2919	5.5	3
121	Effect of prior cold deformation on recrystallization behavior of a multi-phase FeCrCuMnNi high entropy alloy. <i>Materials Chemistry and Physics</i> , 2021 , 272, 124991	4.4	1
120	Extraordinary strength-ductility in gradient amorphous structured Zr-based alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161507	5.7	33

119	Evaluation of microstructure and texture formation during annealing of cold-rolled FeCrCuMnNi multiphase high-entropy alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2020 , 30, 449-462	3.3	9
118	Structural, electrical, optical and morphological properties of aluminum-doped TiO ₂ thin films deposited by spray pyrolysis method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7150-7163 ^{2,1}	2.1	163 ¹
117	The multi-effects of K ₂ TiF ₆ additive on the properties of PEO coatings on AZ31 Mg alloy. <i>Surface and Coatings Technology</i> , 2020 , 402, 126296	4.4	5
116	Stable and Antibacterial Magnesium-Graphene Nanocomposite-Based Implants for Bone Repair. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6253-6262	5.5	12
115	Microstructure and Mechanical Properties of a Multiphase FeCrCuMnNi High-Entropy Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 2388-2398	1.6	13
114	Characterization of aluminum/alumina/TiC hybrid composites in 3D produced by anodizing and accumulating roll bonding process using synchrotron radiation tomography. <i>Journal of Composite Materials</i> , 2019 , 53, 1215-1227	2.7	
113	Investigation of microstructure, texture, and mechanical properties of FeCrCuMnNi multiphase high entropy alloy during recrystallization. <i>Materials Characterization</i> , 2019 , 154, 253-263	3.9	10
112	Influence of copper on the structural, mechanical, and biological characteristics of Mg-Al-Cu alloy. <i>Materials Chemistry and Physics</i> , 2019 , 237, 121838	4.4	10
111	Evaluation of aluminium/alumina/titanium composites produced by continual annealing and roll-bonding process. <i>Materials Science and Technology</i> , 2019 , 35, 1614-1623	1.5	0
110	Effect of Pulse Current Mode on Microstructure, Composition and Corrosion Performance of the Coatings Produced by Plasma Electrolytic Oxidation on AZ31 Mg Alloy. <i>Coatings</i> , 2019 , 9, 688	2.9	20
109	Microstructure and Mechanical Properties of Nanostructured CoCrFeMoTi High-Entropy Alloy Fabricated by Mechanical Alloying and Spark Plasma Sintering. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 7710-7725	1.6	0
108	Evaluation of the mechanical properties of the heat treated FeCrCuMnNi high entropy alloy. <i>Materials Chemistry and Physics</i> , 2019 , 221, 68-77	4.4	15
107	An Investigation of the Bonding Behavior of Aluminum Strips in the Presence of an Alumina Layer During the Cold Roll Bonding Process. <i>Transactions of the Indian Institute of Metals</i> , 2019 , 72, 685-691	1.2	
106	A novel method for the fabrication of Al-matrix nanocomposites reinforced by mono-dispersed TiAl ₃ intermetallic via a three-step process of cold-roll bonding, heat-treatment and accumulative roll bonding. <i>Journal of Alloys and Compounds</i> , 2018 , 747, 217-226	5.7	14
105	Fabrication and characterization of a bimetallic Al/Cu tube using the tube sinking process. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 96, 153-159	3.2	5
104	Fabrication of hole-conductor-free perovskite solar cells based on Al doped ZnO and low-cost carbon electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10092-10101	2.1	5
103	Effect of Cold Rolling Parameters on Bond Strength of Ti Particle Embedded Al Strips. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 2497-2504	1.2	3
102	Effects of intermediate Ni layer on mechanical properties of Al-Cu layered composites fabricated through cold roll bonding. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018 , 25, 573-583 ^{3,1}	3.1	3

101	Texture evolution and plastic anisotropy of commercial purity titanium/SiC composite processed by accumulative roll bonding and subsequent annealing. <i>Materials Chemistry and Physics</i> , 2018 , 219, 182-188	4.4	5
100	Grain and texture evolution in nano/ultrafine-grained bimetallic Al/Ni composite during accumulative roll bonding. <i>Journal of Materials Science</i> , 2018 , 53, 12553-12569	4.3	10
99	Microstructure and Texture Development in Al β %Brass Composite Produced through ARB. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700463	3.5	0
98	Study on Texture Evolution and Shear Behavior of an Al/Ni/Cu Composite. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 6004-6015	1.6	7
97	Influence of zirconium addition on the microstructure, thermodynamic stability, thermal stability and mechanical properties of mechanical alloyed spark plasma sintered (MA-SPS) FeCoCrNi high entropy alloy. <i>Powder Metallurgy</i> , 2018 , 61, 405-416	1.9	9
96	Effect of cold-rolling on microstructure, texture and mechanical properties of an equiatomic FeCrCuMnNi high entropy alloy. <i>Materialia</i> , 2018 , 1, 175-184	3.2	23
95	Effect of Roughness and Surface Hardening on the Mechanical Properties of Three-Layered Brass/IF Steel/Brass Composite. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 2199-2210	1.2	3
94	Plasma focus method for growth of molybdenum nitride thin films: Synthesis and thin film characterization. <i>Journal of Alloys and Compounds</i> , 2017 , 727, 978-985	5.7	13
93	Efficiency enhancement of hole-conductor-free perovskite solar cell based on ZnO nanostructure by Al doping in ZnO. <i>Journal of Alloys and Compounds</i> , 2017 , 692, 492-502	5.7	29
92	The Effect of Strain on the Formation of an Intermetallic Layer in an Al-Ni Laminated Composite. <i>Metals</i> , 2017 , 7, 445	2.3	10
91	Nanostructure formation during accumulative roll bonding of commercial purity titanium. <i>Materials Characterization</i> , 2016 , 122, 98-103	3.9	30
90	Effects of Heat Treatment on Interface Microstructure and Mechanical Properties of Explosively Welded Ck60/St37 Plates. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 5330-5342	1.6	8
89	Microstructure and mechanical properties of carbon nanotubes reinforced aluminum matrix composites synthesized via equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 670, 205-216	5.3	45
88	Compressive, shear, and fracture behavior of CNT reinforced Al matrix composites manufactured by severe plastic deformation. <i>Materials and Design</i> , 2016 , 106, 112-119	8.1	57
87	Influence of doping behavior of Al on nanostructure, morphology and optoelectronic properties of Al Doped ZnO thin film grown on FTO substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10226-10236	2.1	12
86	Effect of rare earth substitution on magnetic and structural properties of Co β REx Fe β O β 4 (RE: Nd, Eu) nanoparticles prepared via EDTA/EG assisted sol-gel synthesis. <i>Journal of Alloys and Compounds</i> , 2016 , 662, 441-447	5.7	35
85	Effect of Particles on Continuous and Discontinuous Recrystallization of Nanostructured Interstitial Free Steel. <i>Jom</i> , 2016 , 68, 271-278	2.1	4
84	Shear punch test in Al/Alumina composite strips produced by powder metallurgy and accumulative roll bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 667, 383-390	5.3	14

83	Production of nanograin microstructure in steel nanocomposite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 638, 143-151	5.3	11
82	Study on the effect of sol-gel parameters using the Taguchi technique to achieve the optimal crystallite size and magnetic properties of cobalt ferrite powders. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 271-278	2.3	7
81	Strengthening mechanisms in nanostructured interstitial free steel deformed to high strain. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 639, 656-662	5.3	20
80	On the Achievement of Nanostructured Interstitial Free Steel by Four-Layer Accumulative Roll Bonding Process at Room Temperature. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 4013-4019	2.3	16
79	Effect of deformation route and intermediate annealing on magnetic anisotropy and magnetic properties of a 1 wt% Si non-oriented electrical steel. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 385, 331-338	2.8	20
78	Microstructural evolution of nanostructured steel-based composite fabricated by accumulative roll bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 639, 298-306	5.3	17
77	Investigation of Microstructure and Mechanical Properties of St37 Steel-Ck60 Steel Joints by Explosive Cladding. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4032-4043	1.6	18
76	Hot Deformation Behavior of High Mn TWIP Steel Using the Processing Map. <i>ISIJ International</i> , 2015 , 55, 691-696	1.7	3
75	Annealing texture of nanostructured steel-based composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 639, 604-614	5.3	2
74	Investigation of the Microstructure and the Mechanical Properties of Cu-NiC Composite Produced by Accumulative Roll Bonding and Coating Processes. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4746-4754	1.6	16
73	Application of accumulative roll bonding and anodizing process to produce AlCuAl ₂ O ₃ composite. <i>Materials & Design</i> , 2015 , 70, 53-59		26
72	An alternative method for manufacturing high-strength CP TiBiC composites by accumulative roll bonding process. <i>Materials & Design</i> , 2014 , 59, 494-501		16
71	The Influence of Carbon Nanotube and Roll Bonding Parameters on the Bond Strength of Al Sheets. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 1887-1895	1.6	3
70	The effect of SiC nanoparticles on deformation texture of ARB-processed steel-based nanocomposite. <i>Materials Characterization</i> , 2014 , 93, 150-162	3.9	9
69	Effect of alloy composition, stacking fault energy, second phase particles, initial thickness, and measurement position on deformation texture development of nanostructured FCC materials fabricated via accumulative roll bonding process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 598, 77-97	5.3	29
68	Fabrication of Nano/Ultra-Fine Grained IF Steel via SPD Processes: a Review. <i>Transactions of the Indian Institute of Metals</i> , 2014 , 67, 787-802	1.2	12
67	Texture Development of ARB-Processed Steel-Based Nanocomposite. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 4436-4445	1.6	12
66	Evaluating the mechanical behavior of hot rolled Al/alumina composite strips using shear punch test. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 618, 490-495	5.3	11

65	Comparison of microparticles and nanoparticles effects on deformation texture of steel-based composite and nanocomposite fabricated by the ARB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 607, 173-187	5.3	14
64	Effect of stacking fault energy on mechanical properties of nanostructured FCC materials processed by the ARB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 443-450	5.3	32
63	Mechanical properties and microstructure evolutions of multilayered AlCu composites produced by accumulative roll bonding process and subsequent annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 601, 40-47	5.3	68
62	Influence of Stacking Fault Energy on the Grain Size of FCC Metals Fabricated by Accumulative Roll Bonding Process. <i>Advanced Materials Research</i> , 2014 , 1064, 131-137	0.5	
61	The effects of oxide film and annealing treatment on the bond strength of AlCu strips in cold roll bonding process. <i>Materials & Design</i> , 2014 , 53, 174-181		63
60	Hybrid composites produced by anodizing and accumulative roll bonding (ARB) processes. <i>Ceramics International</i> , 2014 , 40, 10027-10035	5.1	15
59	The effect of alumina content on the mechanical properties of hybrid composites fabricated by ARB process. <i>Ceramics International</i> , 2014 , 40, 10489-10498	5.1	18
58	Effect of stacking fault energy on deformation texture development of nanostructured materials produced by the ARB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 598, 263-276	5.3	48
57	Evaluation of microstructure and mechanical properties of Al/Al ₂ O ₃ /SiC hybrid composite fabricated by accumulative roll bonding process. <i>Materials & Design</i> , 2014 , 53, 13-19		84
56	Comparison of Microparticles and Nanoparticles Effects on the Bonding of Roll Bonded IF Steel. <i>Transactions of the Indian Institute of Metals</i> , 2014 , 67, 659-665	1.2	3
55	Effect of SiC Nanoparticles on Bond Strength of Cold Roll Bonded IF Steel. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 3348-3356	1.6	9
54	Fabrication of Al/Al ₂ O ₃ /TiC hybrid composite by anodizing and accumulative roll bonding processes and investigation of its microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 585, 460-467	5.3	29
53	Fabrication of nanoparticle strengthened IF steel via ARB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 583, 20-24	5.3	26
52	Texture Evolution of Nanostructured Aluminum/Copper Composite Produced by the Accumulative Roll Bonding and Folding Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 1587-1598	2.3	18
51	Investigation of microstructure and mechanical properties of Cu ₃ SiCP composite produced by continual annealing and roll-bonding process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 565, 243-249	5.3	11
50	Effect of stacking fault energy on nanostructure formation under accumulative roll bonding (ARB) process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 578, 191-196	5.3	32
49	Investigation of nanostructured aluminum/copper composite produced by accumulative roll bonding and folding process. <i>Materials & Design</i> , 2013 , 51, 274-279		56
48	Investigation of texture and mechanical properties of copper processed by new route of equal channel angular pressing. <i>Materials & Design</i> , 2013 , 44, 374-381		39

47	Application of powder metallurgy and hot rolling processes for manufacturing aluminum/alumina composite strips. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 560, 567-574	5.3	41
46	On the use of accumulative roll bonding process to develop nanostructured aluminum alloy 5083. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 561, 145-151	5.3	80
45	Investigation of nanostructured Al/Al ₂ O ₃ composite produced by accumulative roll bonding process. <i>Materials & Design</i> , 2012 , 35, 37-42		111
44	Effect of post-rolling annealing treatment and thickness of nickel coating on the bond strength of AlCu strips in cold roll bonding process. <i>Materials & Design</i> , 2012 , 40, 212-220		41
43	Microstructure and mechanical properties of Al/SiO ₂ composite produced by CAR process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 532, 275-281	5.3	30
42	The influence of TiO ₂ nano-particles on bond strength of cold roll bonded aluminum strips. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 550, 367-374	5.3	33
41	Textural evolution of nanostructured AA5083 produced by ARB. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 351-357	5.3	34
40	Fabrication of Al/Ni/Cu composite by accumulative roll bonding and electroplating processes and investigation of its microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 558, 386-393	5.3	71
39	Structural evolution and interdiffusion in Al/Cu nanocomposites produced by a novel manufacturing process. <i>Metals and Materials International</i> , 2012 , 18, 1049-1054	2.4	5
38	Comparison of the Microstructure and Mechanical Properties of As-Cast A356/SiC MMC Processed by ARB and CAR Methods. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 1249-1253	1.6	36
37	Fabrication of MMC Strip by CRB Process. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 859-864	1.6	7
36	Manufacturing of High-Performance Al356/SiCp Composite by CAR Process. <i>Materials and Manufacturing Processes</i> , 2011 , 26, 902-907	4.1	30
35	Production of nano-grained structure in 6061 aluminum alloy strip by accumulative roll bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 529, 442-446	5.3	27
34	CAR process: A technique for significant enhancement of as-cast MMC properties. <i>Materials Characterization</i> , 2011 , 62, 1228-1234	3.9	38
33	Texture development in Al/Al ₂ O ₃ MMCs produced by anodizing and ARB processes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 3573-3580	5.3	35
32	The Role of Surface Preparation Parameters on Cold Roll Bonding of Aluminum Strips. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 191-197	1.6	56
31	Tribocorrosion Behavior of Aluminum/Alumina Composite Manufactured by Anodizing and ARB Processes. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 1600-1605	1.6	8
30	Nano/Ultrafine Structured AA1100 by ARB Process. <i>Materials and Manufacturing Processes</i> , 2011 , 26, 1352-1356	4.1	40

29	Refinement of microstructure and improvement of mechanical properties of Al/Al ₂ O ₃ cast composite by accumulative roll bonding process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 2548-2553	5-3	46
28	Using ARB process as a solution for dilemma of Si and SiCp distribution in cast Al ₃ Si/SiCp composites. <i>Journal of Materials Processing Technology</i> , 2011 , 211, 1159-1165	5-3	45
27	Effects of ARB and ageing processes on mechanical properties and microstructure of 6061 aluminum alloy. <i>Journal of Materials Processing Technology</i> , 2011 , 211, 1184-1190	5-3	92
26	Effect of particle size on microstructure and mechanical properties of composites produced by ARB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 2143-2148	5-3	115
25	Significant improvement of semi-solid microstructure and mechanical properties of A356 alloy by ARB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 2495-2501	5-3	56
24	Fabrication and characterization of Al/SiCp composites by CAR process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4462-4467	5-3	50
23	EBSD analysis of nano-structured copper processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 5348-5355	5-3	52
22	An alternative method of processing MMCs by CAR process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2720-2724	5-3	66
21	Effect of ARB process on textural evolution of AA1100 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 7068-7073	5-3	50
20	Application of ARB process for manufacturing high-strength, finely dispersed and highly uniform Cu/Al ₂ O ₃ composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 7430-7435	5-3	105
19	Investigation of the parameters of the cold roll bonding (CRB) process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2320-2326	5-3	105
18	Textural evolution of nano-grained 70/30 brass produced by accumulative roll-bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2050-2056	5-3	33
17	Application of anodizing and CAR processes for manufacturing Al/Al ₂ O ₃ composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 3857-3863	5-3	56
16	Effect of Al ₂ O ₃ nano-particles on the bond strength in CRB process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 4858-4863	5-3	43
15	Effect of friction, annealing conditions and hardness on the bond strength of Al/Al strips produced by cold roll bonding process. <i>Materials & Design</i> , 2010 , 31, 4508-4513		70
14	High-strength and highly-uniform composite produced by anodizing and accumulative roll bonding processes. <i>Materials & Design</i> , 2010 , 31, 4816-4822		125
13	Effects of processing parameters on the bond strength of Cu/Cu roll-bonded strips. <i>Journal of Materials Processing Technology</i> , 2010 , 210, 560-563	5-3	75
12	Nano-grained 70/30 brass strip produced by accumulative roll-bonding (ARB) process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 491-497	5-3	83

11	Manufacturing of high-strength aluminum/alumina composite by accumulative roll bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 4146-4151	5.3	176
10	Textural evaluation of copper produced by equal channel angular pressing with routes A and B30. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 6260-6269	5.3	1
9	Artificial Neural Network Modeling the Tensile Strength of Hot Strip Mill Products. <i>ISIJ International</i> , 2009 , 49, 1583-1587	1.7	14
8	Evaluation of Texture and Grain Size of Nanograined Copper Produced by the Accumulative Roll Bonding Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009 , 40, 1693-1700	2.3	26
7	Effect of Heat Treatment on Formability of Hot-dip Galvanized Low Carbon Steel Sheet. <i>ISIJ International</i> , 2009 , 49, 1945-1951	1.7	3
6	The Role of Texture and Microstructure in Optimizing the Corrosion Behaviour of Zinc Hot-dip Coated Steel Sheets. <i>ISIJ International</i> , 2008 , 48, 628-633	1.7	11
5	Effect of microstructure and texture on formability and mechanical properties of hot-dip galvanized steel sheets. <i>Journal of Materials Processing Technology</i> , 2008 , 196, 205-212	5.3	41
4	Nano-grained copper strip produced by accumulative roll bonding process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 473, 28-33	5.3	171
3	Effect of Coating Thickness on Formability of Hot-dip Galvanized Low Carbon Steel Sheet. <i>ISIJ International</i> , 2007 , 47, 1510-1517	1.7	3
2	Effects of Annealing on the Fabrication of Al-TiAl ₃ Nanocomposites Before and After Accumulative Roll Bonding and Evaluation of Strengthening Mechanisms. <i>Acta Metallurgica Sinica (English Letters)</i> , 1	2.5	0
1	EBSD Evaluation of Al- TiAl ₃ Composites Manufactured Through CRB-Annealing-ARB and CRB-ARB-Annealing Methods. <i>Transactions of the Indian Institute of Metals</i> , 1	1.2	