Andrzej Rosochowski

List of Publications by Year
in descending order

23	415	1040056 9	996975 15
papers	citations	h-index	g-index

23	23	23	377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micro-extrusion of ultra-fine grained aluminium. International Journal of Advanced Manufacturing Technology, 2007, 33, 137-146.	3.0	82
2	The role of microstructure and texture in controlling mechanical properties of AZ31B magnesium alloy processed by I-ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 638, 20-29.	5.6	81
3	Mechanical Properties and Microstructure of AZ31B Magnesium Alloy Processed by I-ECAP. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1609-1620.	2.2	33
4	Incremental Equal Channel Angular Pressing for Grain Refinement. Materials Science Forum, 0, 674, 19-28.	0.3	27
5	On the evolution of microstructure and texture in commercial purity titanium during multiple passes of incremental equal channel angular pressing (I-ECAP). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 699, 31-47.	5.6	27
6	Double-Billet Incremental ECAP. Materials Science Forum, 0, 584-586, 139-144.	0.3	25
7	In situ analysis of the influence of twinning on the strain hardening rate and fracture mechanism in AZ31B magnesium alloy. Journal of Materials Science, 2015, 50, 2532-2543.	3.7	25
8	FEM Simulation of Incremental Shear. AIP Conference Proceedings, 2007, , .	0.4	23
9	Ultrafine-Grained Plates of Al-Mg-Si Alloy Obtained by Incremental Equal Channel Angular Pressing: Microstructure and Mechanical Properties. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4871-4882.	2.2	18
10	Route Effects in I-ECAP of AZ31B Magnesium Alloy. Key Engineering Materials, 0, 554-557, 876-884.	0.4	15
11	Producing Highâ€Strength Metals by Iâ€ECAP. Advanced Engineering Materials, 2016, 18, 219-223.	3.5	11
12	Microstructure and Corrosion Behavior of the Friction Stir Welded Joints Made from Ultrafine Grained Aluminum. Advanced Engineering Materials, 2017, 19, 1600807.	3.5	10
13	FE Simulation of Ultrasonic Back Extrusion. AIP Conference Proceedings, 2007, , .	0.4	8
14	Severe plastic deformation by incremental angular splitting. Journal of Materials Science, 2013, 48, 4557-4562.	3.7	8
15	Incremental ECAP with Converging Billets. Key Engineering Materials, 0, 554-557, 869-875.	0.4	4
16	The Effect of Initial Grain Size on Formability of AZ31B Magnesium Alloy during I-ECAP. Key Engineering Materials, 2014, 611-612, 573-580.	0.4	4
17	New SPD Process of Incremental Angular Splitting. Key Engineering Materials, 2012, 504-506, 569-574.	0.4	3
18	The Origin of Fracture in the I-ECAP of AZ31B Magnesium Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 5275-5284.	2.2	3

#	Article	IF	Citations
19	Incremental non-equal channel angular pressing â€“ FE simulation. AIP Conference Proceedings, 2016, , .	0.4	3
20	Incremental ECAP of Tubular Componentsâ€”FE Simulation. , 2011, , .		2
21	Effect of channel angle on the material flow, hardness distribution and process forces during incremental ECAP of Al-1050 billets. AIP Conference Proceedings, 2016, , .	0.4	2
22	FE simulation of magnesium alloy microstructure evolution in tension. , 2013, , .		1
23	Warm deformation behaviour of UFG CP-Titanium produced by I-ECAP. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012038.	0.6	0