Henryk Dyja

List of Publications by Year
in descending order

41 papers	174 citations	1307594 7 h-index	1281871 11 g-index
42 all docs	42 docs citations	42 times ranked	101 citing authors

#	Article	IF	Citations
1	Theoretical analysis of the asymmetric rolling of sheets on leader and finishing stands. Journal of Materials Processing Technology, 2003, 138, 183-188.	6.3	20
2	Using of Radial-Shear Rolling to Improve the Structure and Radiation Resistance of Zirconium-Based Alloys. Materials, 2020, 13, 4306.	2.9	20
3	On the theory of the process of hot rolling of bimetal plate and sheet. Journal of Mechanical Working Technology, 1983, 8, 309-325.	0.1	19
4	Effect of roller die drawing on structure, texture and other properties of high carbon steel wires. Metals and Materials International, 1998, 4, 727-731.	0.2	16
5	Application of the three-high skew rolling to magnesium rods production. Materialpruefung/Materials Testing, 2016, 58, 438-441.	2.2	10
6	Application of Torsion Test for Determination of Rheological Properties of 5019 Aluminium Alloy. Key Engineering Materials, 0, 682, 356-361.	0.4	9
7	The influence of the thickness of a bimetallic layer (18G2A+0H18N10T) on the distribution of the relative flow rate in asymmetrical rolling. Journal of Materials Processing Technology, 2003, 138, 120-122.	6.3	8
8	Physical Simulations of the Controlled Rolling Process of Plate X100 with Accelerated Cooling. Solid State Phenomena, 0, 199, 484-489.	0.3	8
9	Analysis of industrial conditions during multi-stage cooling of C70D high-carbon steel wire rod. Materialpruefung/Materials Testing, 2015, 57, 301-305.	2.2	8
10	The application of the inverse method for determination of slitting criterion parameter during the multi slit rolling (MSR) process. Journal of Materials Processing Technology, 2006, 177, 493-496.	6.3	7
11	Analysis of the Aluminum Bars in Three-High Skew Rolling Mill Rolling Process. Solid State Phenomena, 2015, 220-221, 892-897.	0.3	6
12	3D FEM Modelling and Experimental Verification of the Rolls Wear during the Bar Rolling Process. Materials Science Forum, 0, 706-709, 1533-1538.	0.3	4
13	The Microstructure Change during Modeling of Conventional and Thermo-Mechanical Rolling of S355 Steel Bars. Materials Science Forum, 2010, 638-642, 2573-2578.	0.3	3
14	The Influence of Rolling Temperature on the Energy and Force Parameters during Normalizing Rolling of Plain Round Bars. Materials Science Forum, 2010, 638-642, 2628-2633.	0.3	3
15	The Physical and Numerical Modeling of Heat Treatment the Experimental Complex-Phase (CP) Steel. Materials Science Forum, 0, 706-709, 1497-1502.	0.3	3
16	The Basic Research of Experimental Steels for Pipelines. Solid State Phenomena, 2013, 199, 518-523.	0.3	3
17	Plastometric Modelling of the E635M Zirconium Alloy Multistage Forging Process. Solid State Phenomena, 2015, 220-221, 808-812.	0.3	3
18	Numerical modelling of the metal flow during the rolling process of the round screw-ribbed bar in the finishing pass. Journal of Materials Processing Technology, 2006, 177, 566-569.	6.3	2

#	Article	IF	Citations
19	Determination Of Slitting Criterion Parameter During The Multi Slit Rolling Process. AIP Conference Proceedings, 2007, , .	0.4	2
20	The Analyze of Phase Transformations in Ultra Fine Grained Constructional Steel. Materials Science Forum, 2010, 638-642, 2610-2615.	0.3	2
21	The Effect of the Normalizing Rolling of S355J2G3 Steel Round Bars on the Selected Mechanical Properties of Finished Product. Solid State Phenomena, 2010, 165, 294-299.	0.3	2
22	Microstructure Numerical Modelling Change during the Round Bars Rolling. Materials Science Forum, 0, 715-716, 883-888.	0.3	2
23	Analysis of the Asymmetric Plate Rolling Process. Materials Science Forum, 0, 706-709, 1438-1443.	0.3	2
24	Plastometric Testing of Rheological Properties of 5083 and 5754 Aluminium Alloy. Key Engineering Materials, 2016, 682, 362-366.	0.4	2
25	Slitting Criterion for Various Slitting Roll Geometry in MSR Rolling Process. Solid State Phenomena, 0, 165, 365-370.	0.3	1
26	The Physical Simulation of the Normalizing Rolling of the Steel Plate in Strength Category 350Ã·460MPa. Materials Science Forum, 2010, 638-642, 2604-2609.	0.3	1
27	Theoretical and Experimental Analysis of the Cooling Ability of Device for the Plain Round Bars Accelerated Cooling Process. Materials Science Forum, 0, 706-709, 2090-2095.	0.3	1
28	Influence of Rolling Reduction, Strip Shape and Asymmetry Factor on the Strip Curvature. Solid State Phenomena, 0, 199, 436-441.	0.3	1
29	The Influence of the Interstand Tension of the Band on Roll Wear during the Continuous Groove-Rolling Process. Solid State Phenomena, 0, 220-221, 898-904.	0.3	1
30	Development of Alternative Method for Manufacturing Structural Zirconium Elements for Nuclear Engineering. Materials, 2021, 14, 5006.	2.9	1
31	Application of the explosive method for creating nitrogen layers. Journal of Materials Processing Technology, 2003, 138, 256-261.	6.3	0
32	The Analysis of the Process of Asymmetric Rolling of Plates. Materials Science Forum, 2010, 638-642, 2585-2590.	0.3	0
33	Numerical Modelling of the Microstructure during Rolling of Flat Bars. Solid State Phenomena, 2010, 165, 382-387.	0.3	0
34	Asymmetric Process of Plate Rolling Analysis. Solid State Phenomena, 0, 165, 79-84.	0.3	0
35	Numerical Analysis in the Process of Alternate Pressing and Multiaxial Compression. Materials Science Forum, 0, 706-709, 1763-1768.	0.3	0
36	Numerical Modelling of Ploughshares Rolling Process from Scrapped Railway Rail. Solid State Phenomena, 2013, 199, 472-477.	0.3	0

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37	Numerical Simulation of the Rolling Process of Pipeline Sheet. Solid State Phenomena, 0, 220-221, 813-817.	0.3	0
38	Physical Simulations of the Controlled Rolling Process of Experimental Steels with Modified Chemical Composition Allocated to Pipelines. Solid State Phenomena, 2015, 220-221, 824-828.	0.3	0
39	Determination of the Cracking Susceptibility of Steel S355J2G3 during the Continuous Casting Process. Solid State Phenomena, 2015, 220-221, 731-736.	0.3	0
40	The Physical and Numerical Modelling of Heat Treatment of Experimental Steels for Pipelines. Solid State Phenomena, 2015, 220-221, 754-759.	0.3	0
41	Application of asymmetry in plate rolling on the finishing stand of a rolling mill 3600. Materialpruefung/Materials Testing, 2015, 57, 909-911.	2.2	0