

Henryk Dyja

List of Publications by Year in descending order

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101
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Development of Alternative Method for Manufacturing Structural Zirconium Elements for Nuclear Engineering. <i>Materials</i> , 2021, 14, 5006. | 2.9 | 1 |
| 2 | Using of Radial-Shear Rolling to Improve the Structure and Radiation Resistance of Zirconium-Based Alloys. <i>Materials</i> , 2020, 13, 4306. | 2.9 | 20 |
| 3 | Plastometric Testing of Rheological Properties of 5083 and 5754 Aluminium Alloy. <i>Key Engineering Materials</i> , 2016, 682, 362-366. | 0.4 | 2 |
| 4 | Application of the three-high skew rolling to magnesium rods production. <i>Materialpruefung/Materials Testing</i> , 2016, 58, 438-441. | 2.2 | 10 |
| 5 | Plastometric Modelling of the E635M Zirconium Alloy Multistage Forging Process. <i>Solid State Phenomena</i> , 2015, 220-221, 808-812. | 0.3 | 3 |
| 6 | Physical Simulations of the Controlled Rolling Process of Experimental Steels with Modified Chemical Composition Allocated to Pipelines. <i>Solid State Phenomena</i> , 2015, 220-221, 824-828. | 0.3 | 0 |
| 7 | Determination of the Cracking Susceptibility of Steel S355J2G3 during the Continuous Casting Process. <i>Solid State Phenomena</i> , 2015, 220-221, 731-736. | 0.3 | 0 |
| 8 | Analysis of the Aluminum Bars in Three-High Skew Rolling Mill Rolling Process. <i>Solid State Phenomena</i> , 2015, 220-221, 892-897. | 0.3 | 6 |
| 9 | The Physical and Numerical Modelling of Heat Treatment of Experimental Steels for Pipelines. <i>Solid State Phenomena</i> , 2015, 220-221, 754-759. | 0.3 | 0 |
| 10 | Analysis of industrial conditions during multi-stage cooling of C70D high-carbon steel wire rod. <i>Materialpruefung/Materials Testing</i> , 2015, 57, 301-305. | 2.2 | 8 |
| 11 | Application of asymmetry in plate rolling on the finishing stand of a rolling mill 3600. <i>Materialpruefung/Materials Testing</i> , 2015, 57, 909-911. | 2.2 | 0 |
| 12 | The Basic Research of Experimental Steels for Pipelines. <i>Solid State Phenomena</i> , 2013, 199, 518-523. | 0.3 | 3 |
| 13 | Numerical Modelling of Ploughshares Rolling Process from Scrapped Railway Rail. <i>Solid State Phenomena</i> , 2013, 199, 472-477. | 0.3 | 0 |
| 14 | The Analyze of Phase Transformations in Ultra Fine Grained Constructional Steel. <i>Materials Science Forum</i> , 2010, 638-642, 2610-2615. | 0.3 | 2 |
| 15 | The Analysis of the Process of Asymmetric Rolling of Plates. <i>Materials Science Forum</i> , 2010, 638-642, 2585-2590. | 0.3 | 0 |
| 16 | The Microstructure Change during Modeling of Conventional and Thermo-Mechanical Rolling of S355 Steel Bars. <i>Materials Science Forum</i> , 2010, 638-642, 2573-2578. | 0.3 | 3 |
| 17 | The Influence of Rolling Temperature on the Energy and Force Parameters during Normalizing Rolling of Plain Round Bars. <i>Materials Science Forum</i> , 2010, 638-642, 2628-2633. | 0.3 | 3 |
| 18 | The Physical Simulation of the Normalizing Rolling of the Steel Plate in Strength Category 350Å460MPa. <i>Materials Science Forum</i> , 2010, 638-642, 2604-2609. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Numerical Modelling of the Microstructure during Rolling of Flat Bars. Solid State Phenomena, 2010, 165, 382-387. | 0.3 | 0 |
| 20 | 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 |
| 21 | Determination Of Slitting Criterion Parameter During The Multi Slit Rolling Process. AIP Conference Proceedings, 2007, , . | 0.4 | 2 |
| 22 | 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 |
| 23 | 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 |
| 24 | The influence of the thickness of a bimetallic layer (18G2A+OH18N10T) on the distribution of the relative flow rate in asymmetrical rolling. Journal of Materials Processing Technology, 2003, 138, 120-122. | 6.3 | 8 |
| 25 | 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 |
| 26 | Application of the explosive method for creating nitrogen layers. Journal of Materials Processing Technology, 2003, 138, 256-261. | 6.3 | 0 |
| 27 | 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 |
| 28 | 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 |
| 29 | Slitting Criterion for Various Slitting Roll Geometry in MSR Rolling Process. Solid State Phenomena, 0, 165, 365-370. | 0.3 | 1 |
| 30 | Asymmetric Process of Plate Rolling Analysis. Solid State Phenomena, 0, 165, 79-84. | 0.3 | 0 |
| 31 | Numerical Analysis in the Process of Alternate Pressing and Multiaxial Compression. Materials Science Forum, 0, 706-709, 1763-1768. | 0.3 | 0 |
| 32 | 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 |
| 33 | Microstructure Numerical Modelling Change during the Round Bars Rolling. Materials Science Forum, 0, 715-716, 883-888. | 0.3 | 2 |
| 34 | Analysis of the Asymmetric Plate Rolling Process. Materials Science Forum, 0, 706-709, 1438-1443. | 0.3 | 2 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | Physical Simulations of the Controlled Rolling Process of Plate X100 with Accelerated Cooling. Solid State Phenomena, 0, 199, 484-489. | 0.3 | 8 |
| 38 | Influence of Rolling Reduction, Strip Shape and Asymmetry Factor on the Strip Curvature. Solid State Phenomena, 0, 199, 436-441. | 0.3 | 1 |
| 39 | Numerical Simulation of the Rolling Process of Pipeline Sheet. Solid State Phenomena, 0, 220-221, 813-817. | 0.3 | 0 |
| 40 | 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 |
| 41 | Application of Torsion Test for Determination of Rheological Properties of 5019 Aluminium Alloy. Key Engineering Materials, 0, 682, 356-361. | 0.4 | 9 |