

Youngseog Lee

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

172
citations

1163117

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1199594

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g-index

27
all docs

27
docs citations

27
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the Roll Surface Profile on Centerline Segregation in Soft Reduction Process. ISIJ International, 2012, 52, 1266-1272.	1.4	27
2	TEMPERATURE DEPENDENT FRACTURE MODEL AND ITS APPLICATION TO ULTRA HEAVY THICK STEEL PLATE USED FOR SHIPBUILDING. International Journal of Modern Physics B, 2008, 22, 5483-5488.	2.0	16
3	Thermal Stress Evolution of the Roll During Rolling and Idling in Hot Strip Rolling Process. Journal of Thermal Stresses, 2014, 37, 981-1001.	2.0	14
4	An Approach to Predict the Depth of the Decarburized Ferrite Layer of Spring Steel Based on Measured Temperature History of Material during Cooling. ISIJ International, 2014, 54, 1682-1689.	1.4	14
5	An Approximate Model for Local Strain Variation over Material Thickness and Its Applications to Thick Plate Rolling Process. ISIJ International, 2009, 49, 402-407.	1.4	12
6	Diagnosis of Combined Cycle Power Plant Based on Thermo-economic Analysis: A Computer Simulation Study. Entropy, 2017, 19, 643.	2.2	11
7	A study to predict the creation of surface defects on material and suppress them in caliber rolling process. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1727-1734.	2.2	9
8	Analysis of the Influence of High Peening Coverage on Almen Intensity and Residual Compressive Stress. Applied Sciences (Switzerland), 2020, 10, 105.	2.5	9
9	Experimental and Semi-analytical Study of Wear Contour of Roll Groove and Its Applications to Rod Mill. ISIJ International, 2007, 47, 1006-1015.	1.4	8
10	Evaluation of the prediction ability of ductile fracture criteria over a wide range of drawing conditions. Journal of Mechanical Science and Technology, 2019, 33, 4245-4254.	1.5	7
11	Process Condition Diagram Predicting Onset of Microdefects and Fracture in Cold Bar Drawing. Metals, 2021, 11, 479.	2.3	6
12	A Study on Design Equation of Separating and Oval Roll Grooves in Rebar Manufacturing Process. Materials and Manufacturing Processes, 2014, 29, 100-106.	4.7	5
13	A roll-bending approach to suppress the edge cracking of silicon steel in the cold rolling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 112-124.	2.4	5
14	Deformation analysis of micro-sized material using strain gradient plasticity. Journal of Mechanical Science and Technology, 2006, 20, 621-633.	1.5	4
15	A strip holding system for finite element simulation of Almen strip testing. Journal of Mechanical Science and Technology, 2014, 28, 2825-2830.	1.5	4
16	Investigation of the Microstructure of Laser-Arc Hybrid Welded Boron Steel. Jom, 2018, 70, 1548-1553.	1.9	4
17	Experimental study on variations in Charpy impact energies of low carbon steel, depending on welding and specimen cutting method. Journal of Mechanical Science and Technology, 2016, 30, 2019-2028.	1.5	3
18	A method to construct the fracture locus in the range of high stress triaxiality when only a round tensile specimen is available. Journal of Mechanical Science and Technology, 2019, 33, 1195-1201.	1.5	3

#	ARTICLE	IF	CITATIONS
19	An in-line model for predicting front end bending in hot plate rolling and its experimental verification. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1111-1120.	2.4	2
20	An approximate model to predict the surface profile of material sections in a 3-roll rolling process. Journal of Mechanical Science and Technology, 2017, 31, 3489-3497.	1.5	2
21	Finite element-based inverse approach to estimate the friction coefficient in hot bar rolling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 1996-2007.	2.4	2
22	Development of a Machine Learning Based Fast Running Model to Determine Rapidly the Process Conditions in Drawing Process. International Journal of Automotive Technology, 2019, 20, 9-17.	1.4	2
23	Numerical Analysis of Edge Cracking in High-Silicon Steel during Cold Rolling with 3D Fracture Locus. Applied Sciences (Switzerland), 2021, 11, 8408.	2.5	2
24	Improvement of Radiant Heat Efficiency of the Radiant Tube Used for Continuous Annealing Line by Application of Additive Manufacturing Technology. Applied Sciences (Switzerland), 2020, 10, 8132.	2.5	1
25	Analysis of billet rolling in a continuous mill using idle vertical stands. Journal of Mechanical Science and Technology, 2004, 18, 762-769.	0.4	0
26	Structural Integrity Assessment of Defected Gas Pipelines Using a Simplified Ductile Damage Model. Journal of Pressure Vessel Technology, Transactions of the ASME, 2022, 144, .	0.6	0
27	TEMPERATURE DEPENDENT FRACTURE MODEL AND ITS APPLICATION TO ULTRA HEAVY THICK STEEL PLATE USED FOR SHIPBUILDING. , 2009, , .		0