

Hani Henein

List of Publications by Year in descending order

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152
papers

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citations

218381

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164
all docs

164
docs citations

164
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale metal additive manufacturing: a holistic review of the state of the art and challenges. <i>International Materials Reviews</i> , 2022, 67, 410-459.	9.4	34
2	On the role of orifice wetting for Al and Al _{22.5} Wt%Cu with Al ₂ O ₃ in the discharge crucible method. <i>Journal of Molecular Liquids</i> , 2022, 345, 117843.	2.3	3
3	Numerical Model of Rapidly Solidified Droplets of Al-33Wt%Cu Eutectic Growth. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 460-469.	1.1	4
4	On the Role of Sc in Powders and Spray Deposits of Hypoeutectic Al-Mg Alloys. <i>Journal of Phase Equilibria and Diffusion</i> , 2022, 43, 3.	0.5	0
5	Automated semantic segmentation of NiCrBSi-WC optical microscopy images using convolutional neural networks. <i>Computational Materials Science</i> , 2022, 210, 111391.	1.4	7
6	Preliminary geometrical and microstructural characterization of WC-reinforced NiCrBSi matrix composites fabricated by plasma transferred arc additive manufacturing through Taguchi-based experimentation. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 113, 1451-1468.	1.5	14
7	Investigation of Compressive and Tensile Behavior of Stainless Steel/Dissolvable Aluminum Bimetallic Composites by Finite Element Modeling and Digital Image Correlation. <i>Materials</i> , 2021, 14, 3654.	1.3	11
8	Effects of scandium on rapid solidified hypo-eutectic aluminium copper. <i>Canadian Metallurgical Quarterly</i> , 2020, 59, 101-115.	0.4	6
9	Metastable Dendrite Morphologies in Aluminum Alloys. <i>Journal of Phase Equilibria and Diffusion</i> , 2020, 41, 784-792.	0.5	4
10	Effects of solidification thermal parameters and Bi doping on silicon size, morphology and mechanical properties of Al-15wt.% Si-3.2wt.% Bi and Al-18wt.% Si-3.2wt.% Bi alloys. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3460-3470.	2.6	17
11	Rapid solidification of Al-Cu droplets of near eutectic composition. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 529, 012021.	0.3	2
12	L80 pipe steel microstructure assessment using ultrasonic testing. <i>Materials Science and Technology</i> , 2019, 35, 1942-1949.	0.8	3
13	Scandium Effect on Undercooling and Dendrite Morphology of Al-4.5Wt Pct Cu Droplets. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 5700-5706.	1.1	5
14	Influence of annealing treatment on Si morphology and strength of rapid solidified Al-12wt% Si powders. <i>Journal of Alloys and Compounds</i> , 2019, 785, 1077-1085.	2.8	5
15	Quantification of microstructure to reveal the solidification path of an alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 529, 012056.	0.3	1
16	Microstructure Solidification Maps for Al-10 Wt Pct Si Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 1333-1345.	1.1	20
17	Dendrite growth in undercooled Al-rich Al-Ni melts measured on Earth and in Space. <i>Physical Review Materials</i> , 2019, 3, .	0.9	6
18	Design and Processing Conditions of Hypoeutectic Al-Cu-Sc Alloys for Maximum Benefit of Scandium. <i>Minerals, Metals and Materials Series</i> , 2018, , 1609-1616.	0.3	3

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19	A General Formulation of Eutectic Silicon Morphology and Processing History. Minerals, Metals and Materials Series, 2018, , 381-387.	0.3	2
20	Modelling of nucleation in Impulse atomized undercooled droplets. Computational Materials Science, 2018, 144, 176-180.	1.4	7
21	Effects of scandium on hypoeutectic aluminium copper microstructures under low solidification rate conditions. Canadian Metallurgical Quarterly, 2018, 57, 148-159.	0.4	7
22	Unit cell dilation technique for analyzing dilatometry data in microalloyed steels. Materials Characterization, 2018, 135, 84-95.	1.9	4
23	Two-Zone Microstructures in Al-18Si Alloy Powders. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 550-562.	1.1	13
24	Physicochemical properties of Al, Al-Mg and Al-Mg-Zn alloys. Journal of Molecular Liquids, 2018, 249, 470-476.	2.3	29
25	The Effect of Skelp Thickness on Precipitate Size and Morphology for X70 Microalloyed Steel Using Rietveld Refinement (Quantitative X-ray Diffraction). Crystals, 2018, 8, 287.	1.0	1
26	Characterization of X80 and X100 Microalloyed Pipeline Steel Using Quantitative X-ray Diffraction. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1597-1611.	1.0	4
27	Characterization of martensite-austenite constituents and micro-hardness in intercritical reheated and coarse-grained heat affected zones of API X70 HSLA steel. Materials Characterization, 2018, 142, 321-331.	1.9	55
28	Influence of cold-wire tandem submerged arc welding parameters on weld geometry and microhardness of microalloyed pipeline steels. International Journal of Advanced Manufacturing Technology, 2017, 88, 2249-2263.	1.5	17
29	Strain aging on the yield strength to tensile strength ratio of UOE pipe. Materials Science and Technology, 2017, 33, 1319-1332.	0.8	3
30	Characterization of HAZ of API X70 Microalloyed Steel Welded by Cold-Wire Tandem Submerged Arc Welding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 2247-2259.	1.1	10
31	Estimation of droplet solidification temperature in rapid solidification using in-situ measurements. Canadian Metallurgical Quarterly, 2017, 56, 76-84.	0.4	0
32	Solidification of Undercooled Melts of Al-Based Alloys on Earth and in Space. Jom, 2017, 69, 1303-1310.	0.9	11
33	Evaluation of cold wire addition effect on heat input and productivity of tandem submerged arc welding for low-carbon microalloyed steels. International Journal of Advanced Manufacturing Technology, 2017, 92, 817-829.	1.5	7
34	Single Fluid Atomization Fundamentals. , 2017, , 9-48.		0
35	In-Situ, Real Time Diagnostics in the Spray Forming Process. , 2017, , 221-263.		0
36	Processing Aspects in Spray Forming. , 2017, , 297-348.		3

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37	Microstructural Quantification of Rapidly Solidified Undercooled D2 Tool Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4735-4743.	1.1	13
38	Effect of Hypoeutectic Sc Additions to Al-4.5 wt% Cu Under Different Cooling Rates. Minerals, Metals and Materials Series, 2017, , 355-363.	0.3	1
39	PRODUCTION OF POLYMER MICROPARTICLES BY ELECTROSPRAY ATOMIZATION. Atomization and Sprays, 2017, 27, 457-464.	0.3	3
40	Microstructural Evolution in Undercooled Al-8wt%Fe Melts. , 2016, , 51-57.		0
41	Evaluation of AH36 microalloyed steel welded joint by submerged arc welding process with one and two wires. Materials Research, 2016, 19, 143-152.	0.6	12
42	Characterization of Precipitates in a Microalloyed Steel Using Quantitative X-ray Diffraction. Metals, 2016, 6, 90.	1.0	11
43	Effect of Cold-Wire Addition in the TSAW Process on Microstructure and Mechanical Properties of the HAZ of X70 Microalloyed Pipeline Steel. , 2016, , .		1
44	Microstructure-property relations in as-atomized and as-extruded Sn-Cu (-Ag) solder alloys. Journal of Alloys and Compounds, 2016, 680, 259-267.	2.8	6
45	Microstructure and mechanical characterization of rapidly solidified Cr-C tool steel: Annealing effects. Advanced Powder Technology, 2016, 27, 2076-2083.	2.0	2
46	Quantification of Primary Dendritic and Secondary Eutectic Nucleation Undercoolings in Rapidly Solidified Hypo-Eutectic Al-Cu Droplets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4606-4615.	1.1	23
47	Effect of convection on the dendrite growth kinetics in undercooled melts of D2 tool steels. IOP Conference Series: Materials Science and Engineering, 2016, 117, 012058.	0.3	4
48	Dendrite growth morphologies in rapidly solidified Al-4.5wt.%Cu droplets. IOP Conference Series: Materials Science and Engineering, 2016, 117, 012055.	0.3	3
49	Amorphous Phase Formation Analysis of Rapidly Solidified CoCr Droplets. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 3257-3265.	1.0	3
50	Characterization of a {(Fe60Co40)75B20Si5}96Nb4 impulse atomized glassy powder by Neutron Diffraction and Differential Scanning Calorimetry. Journal of Non-Crystalline Solids, 2016, 432, 466-470.	1.5	5
51	Extending an empirical and a fundamental bainite start model to a continuously cooled microalloyed steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 650, 510-522.	2.6	10
52	Microstructural Evolution in Undercooled Al-8wt%Fe Melts. , 2016, , 51-57.		0
53	An Investigation of Aging Behaviour in Microalloyed Steel (X70) UOE Pipe. , 2016, , 707-714.		0
54	Heterogeneous nucleation of the primary phase in the rapid solidification of Al-4.5wt%Cu alloy droplet. IOP Conference Series: Materials Science and Engineering, 2015, 84, 012013.	0.3	1

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55	Characterization of arc during hardfacing in plasma transfer arc welding. Canadian Metallurgical Quarterly, 2015, 54, 328-339.	0.4	2
56	Microstructural and mechanical properties analysis of extruded Sn-0.7Cu solder alloy. Journal of Materials Research and Technology, 2015, 4, 84-92.	2.6	19
57	Characterization of dendrite morphologies in rapidly solidified Al-4.5 wt.%Cu droplets. Acta Materialia, 2015, 89, 234-246.	3.8	31
58	Evolution of the dendritic morphology with the solidification velocity in rapidly solidified Al-4.5wt.%Cu droplets. IOP Conference Series: Materials Science and Engineering, 2015, 84, 012016.	0.3	1
59	Undercooling of Rapidly Solidified Droplets and Spray Formed Strips of Al-Cu (Sc). , 2015, , 21-28.		0
60	The robustness of the two-colour assumption in pyrometry of solidifying AISI D2 alloy droplets. Materialwissenschaft Und Werkstofftechnik, 2014, 45, 736-743.	0.5	2
61	The Discharge Crucible Method for Making Measurements of the Physical Properties of Melts: An Overview. International Journal of Thermophysics, 2014, 35, 1725-1748.	1.0	27
62	Microstructural investigation of D2 tool steel during rapid solidification. Powder Metallurgy, 2014, 57, 70-78.	0.9	14
63	Atomization and characterization of a glass forming alloy $\{(Fe_{0.6}Co_{0.4})_{0.75}B_{0.2}Si_{0.05}\}_{96}Nb_4$. Journal of Non-Crystalline Solids, 2014, 394-395, 36-42.	1.5	17
64	3D Quantitative Characterization of Rapidly Solidified Al-36Wt Pct Ni. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2152-2160.	1.1	10
65	Development of Microalloyed Steels for The Oil and Gas Industry. , 2014, , 53-60.		0
66	Physicochemical Properties of Sb, Sn, Zn, and Sb-Sn System. International Journal of Thermophysics, 2013, 34, 250-266.	1.0	54
67	Microstructural characterization of ferrotitanium and ferroniobium. Materials Characterization, 2013, 78, 96-107.	1.9	11
68	Microstructure evolution in undercooled Al-8wt%Fe melts: Comparison between terrestrial and parabolic flight conditions. Journal of Alloys and Compounds, 2013, 556, 243-251.	2.8	27
69	Physicochemical Properties of Sn-Zn and SAC+ABi Alloys. Journal of Electronic Materials, 2013, 42, 288-293.	1.0	35
70	Fabrication of TiC and ZrC reinforced Al-4wt%Cu composite droplets using impulse atomization. Journal of Composite Materials, 2013, 47, 587-601.	1.2	0
71	Microstructural evolution and characterization of a ferroniobium alloy. Emerging Materials Research, 2013, 2, 79-89.	0.4	2
72	On the Annealing of Rapidly Solidified High Chromium-High Carbon Tool Steel. , 2013, , 2563-2572.		0

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73	The Effect of Microstructure on Tensile Behaviour of X80 Microalloyed Steel. , 2012, , .		0
74	Using semipenetration ratio to characterise effects of waveform variables on bead profile and heat affected zone with single electrode submerged arc welding. Canadian Metallurgical Quarterly, 2012, 51, 284-293.	0.4	4
75	Neutron diffraction analysis and solidification modeling of Impulse-Atomized Al-36 wt%Ni. IOP Conference Series: Materials Science and Engineering, 2012, 33, 012060.	0.3	1
76	Physical Properties of AZ91D Measured Using the Draining Crucible Method: Effect of SF6. International Journal of Thermophysics, 2012, 33, 484-494.	1.0	6
77	Strengthening Mechanisms and Their Relative Contributions to the Yield Strength of Microalloyed Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3043-3061.	1.1	61
78	Quantification of Primary Phase Undercooling of Rapidly Solidified Droplets with 3D Microtomography. , 2012, , 67-72.		1
79	Comparative processing-structure-property studies of Al-Cu matrix composites reinforced with TiC particulates. Composites Part A: Applied Science and Manufacturing, 2011, 42, 812-824.	3.8	92
80	Containerless Solidification and Characterization of Industrial Alloys (NEQUISOL). Journal of Physics: Conference Series, 2011, 327, 012007.	0.3	2
81	Effect of cooling rate on solidification of Al-Ni alloys. Journal of Physics: Conference Series, 2011, 327, 012010.	0.3	4
82	In-situ characterization of droplets during free fall in the drop tube-impulse system. Journal of Physics: Conference Series, 2011, 327, 012014.	0.3	2
83	A Comparison of Surface Tension, Viscosity, and Density of Sn and Sn-Ag Alloys Using Different Measurement Techniques. International Journal of Thermophysics, 2011, 32, 1210-1233.	1.0	86
84	Phase quantification of impulse atomized Al68.5Ni31.5 alloy. Journal of Materials Science, 2011, 46, 6235-6242.	1.7	17
85	Matrix Dissolution Techniques Applied to Extract and Quantify Precipitates from a Microalloyed Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1767-1784.	1.1	31
86	Microstructure Evolution of Atomized Al-0.61 wt% Fe and Al-1.90 wt% Fe Alloys. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 557-567.	1.0	21
87	Effect of electrolyte additives on microstructure and properties of electroplated chromium coatings. Canadian Metallurgical Quarterly, 2011, 50, 153-165.	0.4	3
88	Microstructural analysis of rapidly solidified aluminium-nickel alloys. Canadian Metallurgical Quarterly, 2011, 50, 295-302.	0.4	16
89	Infrared thermography of TMCP microalloyed steel skelp at upcoiler and its application in quantifying laminar jet/skelp interaction. Ironmaking and Steelmaking, 2011, 38, 35-44.	1.1	11
90	The Application of Quantitative X-Ray Diffraction (Rietveld Refinement) in Characterizing the Microstructure and Precipitates in Microalloyed Steels. , 2010, , .		0

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91	Volunteers: The key to annual meeting success, past and present. <i>Jom</i> , 2010, 62, 14-14.	0.9	0
92	Why is spray forming a rapid solidification process?. Warum ist SprÃ¼hkompaktieren ein Schnell-Erstarrungsprozess?. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2010, 41, 555-561.	0.5	5
93	B-spline approximation methods for digital image reconstruction in strain measurement. <i>Journal of Materials Processing Technology</i> , 2010, 210, 593-602.	3.1	8
94	ZrC particle reinforced Alâ€“4wt.% Cu alloy composites fabricated by mechanical alloying and vacuum hot pressing: Microstructural evaluation and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5930-5938.	2.6	34
95	Droplet Solidification of Impulse Atomized Al-0.61Fe and Al-1.9Fe. <i>Canadian Metallurgical Quarterly</i> , 2010, 49, 275-292.	0.4	20
96	A Solidification Model for Atomization. <i>ISIJ International</i> , 2009, 49, 992-999.	0.6	32
97	Quantification of Rapidly Solidified Microstructure of Al-Fe Droplets Using Correlation Length Analysis. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 196-203.	1.1	3
98	Strain measurement of forming process using digital imaging. <i>Materials Science and Technology</i> , 2009, 25, 527-532.	0.8	11
99	Droplet cooling in atomization sprays. <i>Journal of Materials Science</i> , 2008, 43, 5930-5941.	1.7	13
100	The Effects of Finish Rolling Temperature and Cooling Interrupt Conditions on Precipitation in Microalloyed Steels Using Small Angle Neutron Scattering. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2008, 39, 116-124.	1.0	14
101	Nonâ€“Equilibrium and Nearâ€“Equilibrium Solidification of Undercooled Melts of Niâ€“and Alâ€“based Alloys. <i>Advanced Engineering Materials</i> , 2008, 10, 444-452.	1.6	11
102	The Effects of Squarewave Polarity Parameters on Microalloyed Steel Charpy V-Notch Results. , 2008, , .		1
103	Characterization of Microstructure in High Strength Microalloyed Steels Using Quantitative X-Ray Diffraction. , 2008, , .		2
104	Digital Imaging of an ERW Pipe Forming Process. , 2008, , .		1
105	Extraction and Characterization of Nano Precipitates in Microalloyed Steels. , 2008, , .		5
106	Dynamic recrystallisation and superplasticity in pure aluminium with zirconium addition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 444, 291-297.	2.6	22
107	MOULD SLAG PROPERTY MEASUREMENTS TO CHARACTERIZE CC MOULD â€“ SHELL GAP PHENOMENA. <i>Canadian Metallurgical Quarterly</i> , 2006, 45, 79-94.	0.4	16
108	Atomized droplet solidification as an equiaxed growth model. <i>Acta Materialia</i> , 2006, 54, 4427-4440.	3.8	43

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109	Understanding the rapid solidification of Al-4.3Cu and Al-17Cu using X-ray tomography. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 249-257.	1.1	25
110	Quantification of Nano-Sized Precipitates in Microalloyed Steels by Matrix Dissolution. , 2006, , 635.		2
111	Nano Precipitate Analysis of X80 Pipeline Steel Using Small Angle Neutron Scattering. , 2006, , 125.		0
112	A new method to dynamically measure the surface tension, viscosity, and density of melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2005, 36, 667-676.	1.0	38
113	THE TRANSITION FROM FREE STREAM FLOW TO DRIPPING IN DRAINING VESSELS. Canadian Metallurgical Quarterly, 2005, 44, 261-264.	0.4	4
114	THE TRANSITION FROM FREE STREAM FLOW TO DRIPPING IN DRAINING VESSELS. Canadian Metallurgical Quarterly, 2005, 44, 261-264.	0.4	2
115	Spray deposition using impulse atomization technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 383, 107-113.	2.6	15
116	Kinematic Behaviour of Microalloyed Steels Under Complex Forming Conditions. Canadian Metallurgical Quarterly, 2004, 43, 125-136.	0.4	12
117	X-RAY TOMOGRAPHY STUDY OF ATOMIZED Al-Cu DROPLETS. Canadian Metallurgical Quarterly, 2004, 43, 273-282.	0.4	19
118	X-RAY TOMOGRAPHY STUDY OF ATOMIZED Al-Cu DROPLETS. Canadian Metallurgical Quarterly, 2004, 43, 273-282.	0.4	4
119	Droplet solidification and gas-droplet thermal coupling in the atomization of a Cu-6Sn alloy. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2003, 34, 243-253.	1.0	17
120	Exploiting model fidelity to control metals processing. Jom, 2003, 55, 41-45.	0.9	30
121	A Dynamic Approach to Determining the Surface Tension of a Fluid. Canadian Metallurgical Quarterly, 2003, 42, 175-186.	0.4	18
122	A Dynamic Approach to Determining the Surface Tension of a Fluid. Canadian Metallurgical Quarterly, 2003, 42, 175-186.	0.4	2
123	Effect of Material Characteristics on the Properties of a Steel Pipe. , 2002, , 409.		2
124	Solidification Study of Aluminum Alloys using Impulse Atomization: Part I: Heat Transfer Analysis of an Atomized Droplet. Canadian Metallurgical Quarterly, 2002, 41, 97-110.	0.4	69
125	Solidification Study of Aluminum Alloys Using Impulse Atomization: Part ii. Effect of Cooling Rate on Microstructure. Canadian Metallurgical Quarterly, 2002, 41, 193-204.	0.4	35
126	Single fluid atomization through the application of impulses to a melt. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 326, 92-100.	2.6	84

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127	Solidification Study of Aluminum Alloys Using Impulse Atomization: Part ii. Effect of Cooling Rate on Microstructure. Canadian Metallurgical Quarterly, 2002, 41, 193-204.	0.4	3
128	Solidification Study of Aluminum Alloys using Impulse Atomization: Part I: Heat Transfer Analysis of an Atomized Droplet. Canadian Metallurgical Quarterly, 2002, 41, 97-110.	0.4	5
129	Processing and microstructural characterization of Al-Cu alloys produced from rapidly solidified powders. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2000, 31, 249-260.	1.1	15
130	An Experimental Study of the Dispersion of Powders Into A Pipe Turbulent Gas Stream. Canadian Metallurgical Quarterly, 2000, 39, 195-205.	0.4	0
131	Ductilization of a powder metallurgy Al-17 wt pct Cu by means of channel-die compression and extrusion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 2613-2620.	1.1	6
132	Analysis of shell thickness irregularity in continuously cast middle carbon steel slabs using mold thermocouple data. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1996, 27, 1045-1056.	1.0	11
133	An atomization technique for upgrading automotive Al scrap. Jom, 1995, 47, 14-15.	0.9	0
134	An investigation of the electrochemical nature of the ferric chloride leaching of sphalerite. International Journal of Mineral Processing, 1993, 37, 223-238.	2.6	14
135	Ensemble and Single Particle Laser probe sizing results for gas atomized zinc powders. Particle and Particle Systems Characterization, 1993, 10, 266-270.	1.2	6
136	Optimization and continuous casting: Part I. Problem formulation and solution strategy. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1991, 22, 641-648.	0.5	18
137	Optimization and continuous casting: Part II. Application to industrial casters. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1991, 22, 649-659.	0.5	20
138	Finite difference heat-transfer modeling for continuous casting. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1990, 21, 761-770.	0.5	99
139	Kinetics of Radial Segregation of Different Sized Irregular Particles in Rotary Cylinders. Canadian Metallurgical Quarterly, 1989, 28, 29-40.	0.4	22
140	Modelling the leaching kinetics of a sphalerite concentrate size distribution in ferric chloride solution. Hydrometallurgy, 1989, 22, 25-38.	1.8	25
141	Atomization of Molten Metals Using the Coanda Effect. Powder Metallurgy, 1987, 30, 37-47.	0.9	9
142	The effect of chloride ion on the ferric chloride leaching of galena concentrate. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1987, 18, 59-69.	0.5	31
143	An analysis of radial segregation for different sized spherical solids in rotary cylinders. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1986, 17, 247-257.	0.5	83
144	An investigation of the thermodynamics and kinetics of the ferric chloride brine leaching of galena concentrate. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1986, 17, 29-39.	0.5	25

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145	Reaction mechanism for the ferric chloride leaching of sphalerite. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1985, 16, 715-724.	0.5	23
146	An experimental study of segregation in rotary kilns. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1985, 16, 763-774.	0.5	43
147	Reaction kinetics of the ferric chloride leaching of sphalerite—an experimental study. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1984, 15, 5-12.	0.5	42
148	Carnegie-Mellon University — Computers in Process Metallurgy. Journal of Metals, 1984, 36, 37-38.	0.2	0
149	Experimental study of transverse bed motion in rotary kilns. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1983, 14, 191-205.	0.5	365
150	The modeling of transverse solids motion in rotary kilns. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1983, 14, 207-220.	0.5	120
151	An Investigation of Aging Behaviour in Microalloyed Steel (X70) UOE Pipe. , 0, , 707-714.		0
152	Quantification of Primary Phase Undercooling of Rapidly Solidified Droplets with 3D Microtomography. , 0, , 67-72.		1