Jose Castro

List of Publications by Year in descending order

188 papers	1,671 citations	331259 21 h-index	377514 34 g-index
189 all docs	189 docs citations	189 times ranked	1102 citing authors

#	Article	IF	Citations
1	Ethanol consumption impairs regulation of fatty acid metabolism by decreasing the activity of AMP-activated protein kinase in rat liver. Biochimie, 2008, 90, 460-466.	1.3	115
2	Three-dimensional Multiphase Mathematical Modeling of the Blast Furnace Based on the Multifluid Model.. ISIJ International, 2002, 42, 44-52.	0.6	108
3	Transient Mathematical Model of Blast Furnace Based on Multi-fluid Concept, with Application to High PCI Operation.. ISIJ International, 2000, 40, 637-646.	0.6	77
4	Numerical Investigation of Simultaneous Injection of Pulverized Coal and Natural Gas with Oxygen Enrichment to the Blast Furnace.. ISIJ International, 2002, 42, 1203-1211.	0.6	63
5	A Six-phases 3-D Model to Study Simultaneous Injection of High Rates of Pulverized Coal and Charcoal into the Blast Furnace with Oxygen Enrichment. ISIJ International, 2011, 51, 748-758.	0.6	59
6	Study of electroflotation method for treatment of wastewater from washing soil contaminated by heavy metals. Journal of Materials Research and Technology, 2015, 4, 109-113.	2.6	55
7	Comparison of analytical grain size distributions with three-dimensional computer simulations and experimental data. Scripta Materialia, 2006, 54, 1633-1637.	2.6	45
8	Analysis of the combined injection of pulverized coal and charcoal into large blast furnaces. Journal of Materials Research and Technology, 2013, 2, 308-314.	2.6	42
9	Three dimensional mathematical model of the iron ore sintering process based on multiphase theory. Materials Research, 2012, 15, 848-858.	0.6	38
10	Sigma Phase in Superduplex Stainless Steel: Formation, Kinetics and Microstructural Path. Materials Research, 2017, 20, 249-255.	0.6	38
11	A theoretical study using the multiphase numerical simulation technique for effective use of H 2 as blast furnaces fuel. Journal of Materials Research and Technology, 2017, 6, 258-270.	2.6	36
12	Stonerâ€“Wohlfarth model for the anisotropic case. Journal of Magnetism and Magnetic Materials, 2013, 345, 147-152.	1.0	35
13	Simulation of the solidification of pure nickel via the phase-field method. Materials Research, 2006, 9, 349-356.	0.6	34
14	An Experimental and Numerical Approach for the Welding Effects on the Duplex Stainless Steel Microstructure. Materials Research, 2015, 18, 489-502.	0.6	33
15	Formulation and characterization of crosslinked polyvinyl alcohol (PVA) membranes: effects of the crosslinking agents. Polymer Bulletin, 2021, 78, 917-929.	1.7	33
16	Modeling and computational simulation of fluid flow, heat transfer and inclusions trajectories in a tundish of a steel continuous casting machine. Journal of Materials Research and Technology, 2019, 8, 4209-4220.	2.6	32
17	Impingement function for nucleation on non-random sites. Acta Materialia, 2007, 55, 4339-4348.	3.8	28
18	Numerical Analysis of Multiple Injection of Pulverized Coal, Prereduced Iron Ore and Flux with Oxygen Enrichment to the Blast Furnace.. ISIJ International, 2001, 41, 18-24.	0.6	26

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19	Microstructural, Mechanical, and Electrochemical Analysis of Duplex and Superduplex Stainless Steels Welded with the Autogenous TIG Process Using Different Heat Input. Metals, 2017, 7, 538.	1.0	26
20	Analysis by multiphase multicomponent model of iron ore sintering based on alternative steelworks gaseous fuels. Ironmaking and Steelmaking, 2012, 39, 605-613.	1.1	24
21	Analysis of synthetic natural gas injection into charcoal blast furnace. Journal of Materials Research and Technology, 2013, 2, 255-262.	2.6	22
22	Microstructural descriptors and cellular automata simulation of the effects of non-random nuclei location on recrystallization in two dimensions. Materials Research, 2006, 9, 165-170.	0.6	20
23	Model predictions of PCDD and PCDF emissions on the iron ore sintering process based on alternative gaseous fuels. Journal of Materials Research and Technology, 2013, 2, 323-331.	2.6	20
24	Microstructural changes during the slow-cooling annealing of nanocrystalline SmCo 2:17 type magnets. Journal of Alloys and Compounds, 2013, 551, 312-317.	2.8	20
25	Predicting Secondary-Dendrite Arm Spacing of the Al-4.5wt%Cu Alloy During Unidirectional Solidification. Materials Research, 2017, 20, 68-75.	0.6	20
26	Analyzing cleaner alternatives of solid and gaseous fuels for iron ore sintering in compacts machines. Journal of Cleaner Production, 2018, 198, 654-661.	4.6	19
27	The Mini Blast Furnace Process: An Efficient Reactor for Green Pig Iron Production Using Charcoal and Hydrogen-Rich Gas: A Study of Cases. Metals, 2020, 10, 1501.	1.0	18
28	The Critical Volume for Nucleation. Materials Science Forum, 2010, 660-661, 279-283.	0.3	16
29	Application of computational thermodynamics to the determination of thermophysical properties as a function of temperature for multicomponent Al-based alloys. Thermochimica Acta, 2015, 619, 1-7.	1.2	16
30	Solid state steelmaking by decarburisation of rapidly solidified high carbon iron sheet. Ironmaking and Steelmaking, 2012, 39, 530-534.	1.1	15
31	Sodium alginate polymer as a kinetic inhibitor of methane hydrate formation. Journal of Materials Research and Technology, 2021, 12, 1999-2010.	2.6	15
32	Numerical evaluation of the weldability of the low alloy ferritic steels T/P23 and T/P24. Materials Research, 2011, 14, 73-90.	0.6	14
33	Numerical Predictions for the Thermal History, Microstructure and Hardness Distributions at the HAZ during Welding of Low Alloy Steels. Materials Research, 2016, 19, 520-533.	0.6	14
34	Analysis of a compact iron ore sintering process based on agglomerated biochar and gaseous fuels using a 3D multiphase multicomponent mathematical model. Journal of Materials Research and Technology, 2020, 9, 6001-6013.	2.6	14
35	UtilizaÃ§Ã£o de gÃ¡s de coqueria na sinterizaÃ§Ã£o de minÃ©rio de ferro. Revista Escola De Minas, 2012, 65, 357-362.	0.1	13
36	Study of the induration phenomena in single pellet to traveling grate furnace. Journal of Materials Research and Technology, 2013, 2, 315-322.	2.6	13

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37	Stoner-Wohlfarth Model for Nanocrystalline Anisotropic Sm₂Co₁₇ Magnets. Materials Science Forum, 2014, 775-776, 431-436.	0.3	13
38	A Comprehensive Modeling as a Tool for Developing New Mini Blast Furnace Technologies Based on Biomass and Hydrogen Operation. Journal of Sustainable Metallurgy, 2020, 6, 281-293.	1.1	13
39	Cellular automata simulation of site-saturated and constant nucleation rate transformations in three dimensions. Materials Research, 2006, 9, 223-230.	0.6	12
40	Nucleus Size Determination for Nd₂Fe₁₄B, Sm₂Co₁₇, SmCo₅ and BaFe₁₂O₁₉ Magnets. Materials Science Forum, 2012, 727-728, 151-156.	0.3	12
41	Comparison of analytical models with cellular automata simulation of recrystallization in two dimensions. Materials Research, 2005, 8, 341-345.	0.6	11
42	Modeling the Transport Phenomena of TiO₂ Nanoparticles into Leachate of Municipal Waste Landfills. Materials Science Forum, 0, 727-728, 1695-1700.	0.3	11
43	Model Predictions for New Iron Ore Sintering Process Technology Based on Biomass and Gaseous Fuels. Advanced Materials Research, 2014, 918, 136-144.	0.3	11
44	An overview on nucleation theories and models. Journal of Rare Earths, 2019, 37, 1015-1022.	2.5	11
45	SIMULAÃ‡ÃƒO COMPUTACIONAL DA INJEÃ‡ÃƒO DE CARVÃƒO PULVERIZADO NAS VENTANEIRAS DE MINI ALTOS-FORNOS. Tecnologia Em Metalurgia E Materiais, 2004, 1, 59-62.	0.1	11
46	On the prediction of temperature-dependent viscosity of multicomponent liquid alloys. Continuum Mechanics and Thermodynamics, 2019, 31, 1369-1385.	1.4	10
47	Optimizing the Heat Treatment of Rare Earth-Transition Metal Sintered Magnets. Materials Science Forum, 2010, 660-661, 290-295.	0.3	9
48	Iron Ore Sintering Process Based on Alternative Gaseous Fuels from Steelworks. Advanced Materials Research, 0, 535-537, 554-560.	0.3	9
49	Numerical method applied to duplex stainless steel welding. Ironmaking and Steelmaking, 2013, 40, 420-429.	1.1	9
50	Evaluation of the effect of the thermal cycle on the characteristics of welded joints through the variation of the heat input of the austhenitic AISI 316L steels by the GMAW process. Science and Technology of Materials, 2018, 30, 51-59.	0.8	9
51	Determination of heat capacity of pure metals, compounds and alloys by analytical and numerical methods. Thermochimica Acta, 2019, 682, 178418.	1.2	8
52	Modeling, simulation and identification for control of tandem cold metal rolling. Materials Research, 2012, 15, 928-936.	0.6	7
53	Application of Nanoparticle Tracking Analysis (NTA) in Aqueous Solutions of T_iO₂. Materials Science Forum, 2014, 802, 624-629.	0.3	7
54	Hysteresis Modeling of Nanocrystalline NdFeB Magnets. Journal of Superconductivity and Novel Magnetism, 2015, 28, 847-850.	0.8	7

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55	Calculation of Recoil Curves in Isotropic and Anisotropic Stonerâ€“Wohlfarth Materials. IEEE Transactions on Magnetics, 2020, 56, 1-4.	1.2	7
56	MODELO MATEMÃ•TICO TRIDIMENSIONAL MULTI-FÃSICO DA GERAÃ‡ÃƒO DE DIOXINAS NO LEITO DE SINTERIZAÃ‡ÃƒO. Tecnologia Em Metalurgia E Materiais, 2005, 2, 45-49.	0.1	7
57	Microalgae bioremediation and CO2 fixation of industrial wastewater. Cleaner Engineering and Technology, 2022, 8, 100466.	2.1	7
58	Cellular Automata Simulation of the Effect of Nuclei Distribution on the Recrystallization Kinetics. Materials Science Forum, 2004, 467-470, 659-664.	0.3	6
59	Modelling the Heat Treatment of Sintered SmCo₅Magnets. Materials Science Forum, 2006, 530-531, 152-157.	0.3	6
60	Modeling the Heat Treatment of Dy-Diffused Nd₂Fe₁₄B Magnets: The Shell Model. Materials Science Forum, 2012, 727-728, 146-150.	0.3	6
61	Migration of inorganic ions from the leachate of the Rio das Ostras landfill: A comparison of three different configurations of protective barriers. Waste Management, 2014, 34, 2285-2291.	3.7	6
62	Study of the Interaction of Copper Nanoparticles with Titanium in Landfill Soils Layers. Materials Science Forum, 2016, 869, 778-783.	0.3	6
63	Experimental Investigation of Ternary Al-Si-Cu Alloy Solidified with Unsteady-State Heat Flow Conditions. Materials Research, 2018, 21, .	0.6	6
64	Evaluation of mechanical properties of porous alumina ceramics obtained using rice husk as a porogenic agent. Ceramica, 2019, 65, 70-74.	0.3	6
65	Effects of an External Magnetic Field on the Microstructural and Mechanical Properties of the Fusion Zone in TIG Welding. Metals, 2020, 10, 714.	1.0	6
66	Microalgae Technique for Bioremediation Treatment of Cassava Wastewater. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	6
67	Simulating Sintering Process in SmCo₅ Magnets. Materials Science Forum, 2008, 591-593, 80-85.	0.3	5
68	One Domain Wall Hysteresis Model for Spherical Grain. Materials Science Forum, 2012, 727-728, 140-145.	0.3	5
69	AvaliaÃ§Ã£o de ParÃ¢metros de Soldagem nas CaracterÃsticas de Juntas Dissimilares Inconel 718 - Inox 316L Soldadas pelo Processo TIG AutÃ³geno. Soldagem E Inspecao, 2018, 23, 380-392.	0.6	5
70	Computational Analysis of The Performance of Shaft Furnaces with Partial Replacement of The Burden with Self-Reducing Pellets Containing Biomass. Materials Research, 2019, 22, .	0.6	5
71	ESTUDO NUMÃ‰RICO DA RECICLAGEM DE CO2 NA ZONA DE COMBUSTÃƒO DO ALTO FORNO. Tecnologia Em Metalurgia E Materiais, 2009, 6, 13-18.	0.1	5
72	Modeling the Densification of 316L Stainless Steels. Materials Science Forum, 0, 727-728, 440-445.	0.3	4

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73	Characterization and three-dimensional reconstruction of pores of self-reducing pellets done by EAF dust. Materials Research, 2014, 17, 47-55.	0.6	4
74	2D Phase-Field Simulation of the Directional Solidification Process. Applied Mechanics and Materials, 2014, 704, 17-21.	0.2	4
75	Characterization of BOF Dust for Pellets Production Used in Blast Furnace. Materials Science Forum, 0, 798-799, 611-616.	0.3	4
76	Relation between Initial Magnetization Curve and Grain Size of Nanocrystalline NdFeB Magnets. Materials Science Forum, 2014, 802, 558-562.	0.3	4
77	Estudo NumÃ©rico e Experimental da EvoluÃ§Ã£o Microestrutural e das Propriedades de Juntas Soldadas de VergalhÃµes pelo Processo GMAW. Soldagem E Inspecao, 2015, 20, 434-445.	0.6	4
78	Application of Computational Thermodynamics to the Evolution of Surface Tension and Gibbs-Thomson Coefficient during Multicomponent Aluminum Alloy Solidification. Materials Science Forum, 0, 869, 416-422.	0.3	4
79	Effects of the silica nanoparticles (NPSiO2) on the stabilization and transport of hazardous nanoparticle suspensions into landfill soil columns. REM: International Engineering Journal, 2017, 70, 317-323.	0.2	4
80	Mathematical modeling of the shaft furnace process for producing DRI based on the multiphase theory. REM: International Engineering Journal, 2018, 71, 81-87.	0.2	4
81	Effect of polymer aggregation on the kinetics of hydrate formation. Journal of Natural Gas Science and Engineering, 2020, 73, 103053.	2.1	4
82	Evaluation of the diffusional coefficient in the acid baking process using microwave energy to reduce phosphorus content in iron ore particles. Minerals Engineering, 2020, 157, 106541.	1.8	4
83	Predicting Recoil Curves in Stoner-Wohlfarth Anisotropic Magnets. Acta Physica Polonica A, 2019, 136, 737-739.	0.2	4
84	Evaluation of the Acid Baking Technique to Decrease the Phosphorus Content of the Iron Ore. Materials Research, 2019, 22, .	0.6	4
85	Numerical Analysis of Raceway Formation in Isothermal and Non-reactive Packed Bed. ISIJ International, 2020, 60, 2669-2677.	0.6	4
86	ESTUDO NUMÃ‰RICO DA INFLUÃŠNCIA DE PROPRIEDADES DE AMOLECIMENTO E FUSÃƒO NA CINÃ‰TICA DE FORMAÃ‡Ãƒ O DE (CaFe2O4-Ca2Fe2O5) NA SINTERIZAÃ‡Ã ƒO DE MINÃ‰RIO DE FERRO. Tecnologia Em Metalurgia, Materiais E Mineracao, 2013, 10, 17-27.	0.1	4
87	THERMAL FATIGUE LIVE ANALYSIS OF BRAKE DRUMS MADE WITH GRAY CAST IRON AND VERMICULAR CASTIRON VIA FEM SIMULATION. , 0, , .		3
88	Study of Hydrate Formation Kinetics in Petroleum Pipes by the Phase Field. Heat Transfer Engineering, 2009, 30, 309-315.	1.2	3
89	Magnetic Domains Observation from Bitter Patterns of NdFeB Alloy. Materials Science Forum, 0, 802, 569-573.	0.3	3
90	Densification Behaviour Modelling for Metallic Powders. Materials Science Forum, 2014, 802, 317-322.	0.3	3

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91	Grain Growth Kinetics of (NdPr)₂Fe₁₄B Magnets. Materials Science Forum, 2014, 802, 540-545.	0.3	3
92	Evaluation of Residual Stresses in Welded ASTM A36 Structural Steel by Metal Active Gas (MAG) Welding Process. Materials Science Forum, 0, 869, 567-571.	0.3	3
93	Kinetic of Self-Reducing Mixtures of Iron Ore and Biomass of Elephant Grass. Materials Science Forum, 0, 869, 1007-1012.	0.3	3
94	Characterization of Residual Stresses and Microstructural by Technique of Magnetic Barkhausen Noise of API 5L X80 Steel Heat Treatment. Materials Science Forum, 0, 869, 556-561.	0.3	3
95	Evaluation of Martensite Fraction in 1026 Steel by Infrared Thermography Combined with the Koistinen-Marburger Model. Materials Science Forum, 2016, 869, 411-415.	0.3	3
96	Numerical and experimental study of the microstructural evolution and the properties of joints welded on rebars using the GMAW process. Welding International, 2017, 31, 425-434.	0.3	3
97	Effects of Local Heat Input Conditions on the Thermophysical Properties of Super Duplex Stainless Steels (SDSS). Materials Research, 2017, 20, 153-161.	0.6	3
98	Comparing two different arc welding processes through the welding energy: a selection analysis based on quality and energy consumption. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	3
99	A degradation kinetics model of Mgâ€“Znâ€“Mnâ€“Ca alloys in Kokubo solution. Journal of Materials Research and Technology, 2021, 11, 887-895.	2.6	3
100	Analysis of Residual Stress by the Hole-Drilling Method and Hardness in Dissimilar Joints of Austenitic Stainless Steel AISI 316L and Inconel 718 Alloy by Autogenous GTAW Process. Materials Research, 2019, 22, .	0.6	3
101	PECTIN AS NATURAL GAS HYDRATE INHIBITOR: APPLICATION OF THE AVRAMI MODEL. Brazilian Journal of Petroleum and Gas, 2019, 13, 079-091.	0.1	3
102	Modeling the Densification of FeSi Sintered Magnetic Alloys. Materials Science Forum, 0, 727-728, 175-180.	0.3	2
103	Modeling the Welding Process of the Low Alloy Ferritic Steels T/P23 and T/P24. Advanced Materials Research, 2012, 476-478, 642-649.	0.3	2
104	Three-Dimensional Reconstruction of the Porosity of Pellets of Iron Oxide and Coal Powders by Serial Sectioning. Materials Science Forum, 0, 727-728, 26-31.	0.3	2
105	Modeling Sintering Process of Iron Ore. , 2012, , .		2
106	Modeling a Compact Sintering Process Based on Biomass Fuels. Advanced Materials Research, 2014, 902, 33-40.	0.3	2
107	Influence of the Grain Size on the Dysprosium Diffusion in NdFeB Magnets. Materials Science Forum, 2014, 802, 546-551.	0.3	2
108	MSW Leachate Inorganic Ion Diffusion through Compacted Soil and HDPE Geomembrane Barrier - Laboratory Experiments and Model Validation. Materials Science Forum, 2014, 802, 630-635.	0.3	2

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109	Sintered Fe50Ni Alloy Produced by Mixing Iron and Nickel Powders. Materials Science Forum, 0, 802, 524-529.	0.3	2
110	Kinetic Study on Martensite Formation in Steels 1045 and 4340 under Variable Cooling Rates. Materials Science Forum, 2016, 869, 550-555.	0.3	2
111	Hysteresis Modeling of NdFeB Magnets with High Nd. Materials Science Forum, 2016, 869, 585-590.	0.3	2
112	Displacement of the Ingnition Furnace in the Iron Ore Sintering with Re-Circulation of Waste Gases. Materials Science Forum, 0, 869, 643-648.	0.3	2
113	Magnetite Nanoparticles Study Applied to Magnetic Hyperthermia Treatment. Materials Science Forum, 0, 899, 543-548.	0.3	2
114	Ellipsometric Characterization of AZ31 Magnesium Alloy. Materials Science Forum, 2018, 930, 478-483.	0.3	2
115	Synthesis and Characterization by Ellipsometry of Cationic Membranes for Fuel Cells. Materials Science Forum, 0, 930, 625-630.	0.3	2
116	Modeling the Transport of Hazardous Colloidal Suspensions of Nanoparticles Within Soil of Landfill Layers Considering Multicomponent Interactions. Journal of Sustainable Metallurgy, 2019, 5, 581-593.	1.1	2
117	Inhibition of the oxygen evolution reaction during titanium passivation in aqueous phosphoric acid solution. Journal of Solid State Electrochemistry, 2020, 24, 1991-1998.	1.2	2
118	Analysis of the Carbothermic Reduction of Iron Ore-Coke Composite Mixtures by Microwave Heating. Materials Research, 2021, 24, .	0.6	2
119	Effects of Zn content on surface deformability and corrosion resistance of MgZnMnCa alloys. International Journal of Materials Research, 2020, 111, 511-518.	0.1	2
120	AVALIAÃ‡ÃƒO DO DESEMPENHO DO ALTO-FORNO COM A UTILIZAÃ‡ÃƒO DE PELOTA AUTO-REDUTORA, ATRAVÃ‰S DA SIMULAÃ‡ÃƒO COMPUTACIONAL. Tecnologia Em Metalurgia E Materiais, 2005, 2, 45-50.	0.1	2
121	Evaluation of the Use of Burkolderia Caribensis Bacteria for the Reduction of Phosphorus Content in Iron Ore Particles. Materials Research, 0, 25, .	0.6	2
122	An Investigation of the Parameters for Characterization and Prediction of Wear of Drum Brake Friction Material. Journal of Materials Engineering and Performance, 2022, 31, 5712-5725.	1.2	2
123	Study of Iron Nanopowders into Fluids of Industrial Lubrication. Materials Science Forum, 0, 727-728, 1654-1659.	0.3	1
124	A Theoretical Study on BTX Adsorption into the Surface of Compacted Activated Carbon Powders. Materials Science Forum, 2012, 727-728, 1660-1665.	0.3	1
125	Modelamento da utilizaÃ§Ã£o de aglomerado autorredutor em minialto-forno com recirculaÃ§Ã£o de gÃ¡s de topo. Revista Escola De Minas, 2012, 65, 65-71.	0.1	1
126	Phase Field Simulations of Dendritic Crystal Growth with Focus on the Computational Efficiency. Advanced Materials Research, 2014, 1025-1026, 745-748.	0.3	1

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127	Upper Limit for the Coercive Force in NdFeB and PrFeB Magnets. Materials Science Forum, 0, 802, 596-600.	0.3	1
128	Thermal Analysis Investigation of NdFeB Bonded Magnets. Materials Science Forum, 0, 802, 590-595.	0.3	1
129	Microstructural Characterization of a High Copper (Nd_{0.75}Pr_{0.25})₂Fe₁₄B Magnet. Materials Science Forum, 0, 802, 518-523.	0.3	1
130	Perspectives for the Brazilian Industry of Rare-Earth Magnets. Materials Science Forum, 2016, 869, 602-607.	0.3	1
131	Effect of Compaction Pressure on the Hysteresis Loop of NdFeB Bonded Magnets. Materials Science Forum, 0, 899, 576-580.	0.3	1
132	Analysis of the Iron Ore Pellet Mechanical Behavior under Biaxial Compression. Materials Science Forum, 0, 899, 448-451.	0.3	1
133	Replacement of NdFeB by Ferrite Magnets. Materials Science Forum, 0, 912, 106-111.	0.3	1
134	Hysteresis Modeling of Bonded Anisotropic Ferrite Magnets. Materials Science Forum, 2018, 912, 102-105.	0.3	1
135	AvaliaÃ§Ã£o de Eletrodos de Solda a Ponto por ResistÃªncia ElÃ©trica Revestidos com Cromo em Solda de Zircalloy. Soldagem E Inspecao, 2018, 23, 350-363.	0.6	1
136	Effects of Heat Input Conditions on the Local Thermophysical Properties of Super Duplex Stainless Steels. Materials Science Forum, 2018, 930, 317-321.	0.3	1
137	Characterization of cassava biomass using differential scanning calorimetry and thermogravimetry for energy purposes. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3811-3823.	2.0	1
138	AvaliaÃ§Ã£o Microestrutural e ResistÃªncia Ã CorrosÃ£o de uma Junta Dissimilar entre um AÃ§o de Alta ResistÃªncia e Baixa Liga e AÃ§o um InoxidÃ¡vel Duplex. Soldagem E Inspecao, 2019, 24, .	0.6	1
139	Ellipsometric characterization of surface films on AZ31 magnesium alloy exposed to a Na2SO4 solution. Journal of Materials Research and Technology, 2020, 9, 10175-10183.	2.6	1
140	Impact of ZnO Concentration on the Stability of Agglomerates of TiO‹sub›2‹/sub› Engineered Nanoparticles: Effects of the pH, Ionic Strength and Zeta Potential. Materials Science Forum, 2020, 1012, 167-172.	0.3	1
141	Influence of the Interpass Welding Temperature on Microstructure and Corrosion Resistance of Superduplex Stainless Steel SAF 2507. Materials Research, 2021, 24, .	0.6	1
142	Evaluation of MgZnCa Alloys Fabricated Via Powder Metallurgy for Manufacturing Biodegradable Surgical Implants. Jom, 2021, 73, 2403-2412.	0.9	1
143	DEVELOPMENT OF NEW SYNTHESIS ROUTES FOR HYDROXYAPATITE NANOPOWDERS PRODUCTION FROM CHICKEN EGGSHELLS. Quimica Nova, 0, , .	0.3	1
144	Predictions of PCDD/F, SOx, NOx, and Particulates in the Iron Ore Sintering Process of Integrated Steelworks. , 2016, , 27-38.		1

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145	ResistÃªncia Ã CorrosÃ£o de Juntas Dissimilares dos AÃ§os AISI 316L e da Liga Inconel 718. Soldagem E Inspecao, 0, 24, .	0.6	1
146	MODELO DUPLO-ELIPSÃ“IDE ACOPLADO A VOLUMES FINITOS PARA SIMULAR A SOLDAGEM GMAW DO AÃ‡O INOXIDÃVEL DUPLEX SAF 2205. Tecnologia Em Metalurgia, Materiais E Mineracao, 2016, 13, 148-156.	0.1	1
147	SIMULAÃ‡ÃƒO DA COMBUSTÃƒO DE CARVÃƒO PULVERIZADO EM REATOR TUBULAR NAS CONDIÃ‡Ã•ES DAS VENTANEIRAS DO ALTO-FORNO. Tecnologia Em Metalurgia E Materiais, 2006, 2, 7-12.	0.1	1
148	EFEITO DA SOLUBILIZAÃ‡ÃƒO E ENVELHECIMENTO NA MICROESTRUTURA E RESISTÃŠNCIA A CORROSÃƒO DA LIGA DE MAGNÃ‰SIO AZ31. Tecnologia Em Metalurgia, Materiais E Mineracao, 2019, , .	0.1	1
149	Correlation Among the Input Thermal Parameters and Thermography Measurements Data of the Resistance Seam Welding. Materials Research, 2020, 23, .	0.6	1
150	Prediction of the Emissivity Curve at High Temperatures of Low Carbon Steel. Journal of Materials Science Research, 2020, 9, 59.	0.1	1
151	Modelagem da cinÃ©tica de formaÃ§Ã£o de hidratos utilizando o Modelo do Campo de Fase em condiÃ§Ãµes similares a dutos de petrÃ³leo. Revista Escola De Minas, 2008, 61, 491-497.	0.1	0
152	ComparaÃ§Ã£o da eficiÃªncia de trÃªs materiais na sorÃ§Ã£o e difusÃ£o dos Ãons metÃ¡licos atravÃ©s de ensaios experimentais e simulaÃ§Ã£o computacional. Revista Escola De Minas, 2011, 64, 471-478.	0.1	0
153	Predictions of Xylene Adsorption on Agglomerated Activated Carbon Pellets in a Fixed Bed Column. Materials Science Forum, 2014, 802, 636-641.	0.3	0
154	Modeling the Neodymium Metallic Reduction from Molten Salts. Materials Science Forum, 2014, 802, 607-612.	0.3	0
155	Experimental Analysis of Behavior in TiO₂ Nanoparticle Suspension. Materials Science Forum, 0, 802, 163-167.	0.3	0
156	Squareness of NdFeB Stoner-Wohlfarth Hysteresis. Materials Science Forum, 0, 802, 601-606.	0.3	0
157	Evaluation of Heat Absorption in Iron Ore Using Microwave Energy Source. Materials Science Forum, 2014, 802, 367-372.	0.3	0
158	Deformations Limits Analysis of Sheet Metal Manufatured through the Incremental Forming Process. Materials Science Forum, 0, 899, 272-277.	0.3	0
159	Three-Dimensional Microstructure Reconstruction and Phase Boundary by Serial Sectioning and Numerical Approach. Materials Science Forum, 0, 899, 395-399.	0.3	0
160	A Finite Element Analysis for an Iron Ore Pellet Compression Test. Materials Science Forum, 0, 899, 474-477.	0.3	0
161	Thermal Aging of NdFeB Compression Molded Magnets. Materials Science Forum, 0, 899, 572-575.	0.3	0
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