

Jose Castro

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160
papers

1,164
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h-index

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g-index

189
ext. papers

1,388
ext. citations

1.5
avg, IF

4.71
L-index

#	Paper	IF	Citations
160	Ethanol consumption impairs regulation of fatty acid metabolism by decreasing the activity of AMP-activated protein kinase in rat liver. <i>Biochimie</i> , 2008 , 90, 460-6	4.6	94
159	Three-dimensional Multiphase Mathematical Modeling of the Blast Furnace Based on the Multifluid Model.. <i>ISIJ International</i> , 2002 , 42, 44-52	1.7	82
158	Transient Mathematical Model of Blast Furnace Based on Multi-fluid Concept, with Application to High PCI Operation.. <i>ISIJ International</i> , 2000 , 40, 637-646	1.7	56
157	Study of electroflotation method for treatment of wastewater from washing soil contaminated by heavy metals. <i>Journal of Materials Research and Technology</i> , 2015 , 4, 109-113	5.5	51
156	Numerical Investigation of Simultaneous Injection of Pulverized Coal and Natural Gas with Oxygen Enrichment to the Blast Furnace.. <i>ISIJ International</i> , 2002 , 42, 1203-1211	1.7	49
155	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. <i>ISIJ International</i> , 2011 , 51, 748-758	1.7	47
154	Comparison of analytical grain size distributions with three-dimensional computer simulations and experimental data. <i>Scripta Materialia</i> , 2006 , 54, 1633-1637	5.6	38
153	Analysis of the combined injection of pulverized coal and charcoal into large blast furnaces. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 308-314	5.5	36
152	Simulation of the solidification of pure nickel via the phase-field method. <i>Materials Research</i> , 2006 , 9, 349-356	1.5	30
151	StonerâWohlfarth model for the anisotropic case. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 345, 147-152	2.8	28
150	Three dimensional mathematical model of the iron ore sintering process based on multiphase theory. <i>Materials Research</i> , 2012 , 15, 848-858	1.5	28
149	Impingement function for nucleation on non-random sites. <i>Acta Materialia</i> , 2007 , 55, 4339-4348	8.4	25
148	Sigma Phase in Superduplex Stainless Steel: Formation, Kinetics and Microstructural Path. <i>Materials Research</i> , 2017 , 20, 249-255	1.5	24
147	An Experimental and Numerical Approach for the Welding Effects on the Duplex Stainless Steel Microstructure. <i>Materials Research</i> , 2015 , 18, 489-502	1.5	21
146	Microstructural descriptors and cellular automata simulation of the effects of non-random nuclei location on recrystallization in two dimensions. <i>Materials Research</i> , 2006 , 9, 165-170	1.5	18
145	Numerical Analysis of Multiple Injection of Pulverized Coal, Prereduced Iron Ore and Flux with Oxygen Enrichment to the Blast Furnace.. <i>ISIJ International</i> , 2001 , 41, 18-24	1.7	18
144	Model predictions of PCDD and PCDF emissions on the iron ore sintering process based on alternative gaseous fuels. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 323-331	5.5	17

143	Microstructural changes during the slow-cooling annealing of nanocrystalline SmCo 2:17 type magnets. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 312-317	5.7	17
142	A theoretical study using the multiphase numerical simulation technique for effective use of H ₂ as blast furnaces fuel. <i>Journal of Materials Research and Technology</i> , 2017 , 6, 258-270	5.5	17
141	Analysis by multiphase multicomponent model of iron ore sintering based on alternative steelworks gaseous fuels. <i>Ironmaking and Steelmaking</i> , 2012 , 39, 605-613	1.3	17
140	Modeling and computational simulation of fluid flow, heat transfer and inclusions trajectories in a tundish of a steel continuous casting machine. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 4209-4220	5.5	15
139	Analysis of synthetic natural gas injection into charcoal blast furnace. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 255-262	5.5	15
138	The Critical Volume for Nucleation. <i>Materials Science Forum</i> , 2010 , 660-661, 279-283	0.4	14
137	Microstructural, Mechanical, and Electrochemical Analysis of Duplex and Superduplex Stainless Steels Welded with the Autogenous TIG Process Using Different Heat Input. <i>Metals</i> , 2017 , 7, 538	2.3	13
136	Numerical Predictions for the Thermal History, Microstructure and Hardness Distributions at the HAZ during Welding of Low Alloy Steels. <i>Materials Research</i> , 2016 , 19, 520-533	1.5	12
135	Application of computational thermodynamics to the determination of thermophysical properties as a function of temperature for multicomponent Al-based alloys. <i>Thermochimica Acta</i> , 2015 , 619, 1-7	2.9	11
134	Analyzing cleaner alternatives of solid and gaseous fuels for iron ore sintering in compacts machines. <i>Journal of Cleaner Production</i> , 2018 , 198, 654-661	10.3	11
133	Numerical evaluation of the weldability of the low alloy ferritic steels T/P23 and T/P24. <i>Materials Research</i> , 2011 , 14, 73-90	1.5	11
132	Stoner-Wohlfarth Model for Nanocrystalline Anisotropic Sm ₂ Co ₁₇ Magnets. <i>Materials Science Forum</i> , 2014 , 775-776, 431-436	0.4	10
131	Nucleus Size Determination for Nd ₂ Fe ₁₄ B, Sm ₂ Co ₁₇ , SmCo ₅ and BaFe ₁₂ O ₁₉ Magnets. <i>Materials Science Forum</i> , 2012 , 727-728, 151-156	0.4	10
130	Formulation and characterization of crosslinked polyvinyl alcohol (PVA) membranes: effects of the crosslinking agents. <i>Polymer Bulletin</i> , 2021 , 78, 917-929	2.4	10
129	Predicting Secondary-Dendrite Arm Spacing of the Al-4.5wt%Cu Alloy During Unidirectional Solidification. <i>Materials Research</i> , 2017 , 20, 68-75	1.5	9
128	Solid state steelmaking by decarburisation of rapidly solidified high carbon iron sheet. <i>Ironmaking and Steelmaking</i> , 2012 , 39, 530-534	1.3	9
127	Modeling the Transport Phenomena of TiO ₂ Nanoparticles into Leachate of Municipal Waste Landfills. <i>Materials Science Forum</i> , 2012 , 727-728, 1695-1700	0.4	9
126	Comparison of analytical models with cellular automata simulation of recrystallization in two dimensions. <i>Materials Research</i> , 2005 , 8, 341-345	1.5	9

125	Model Predictions for New Iron Ore Sintering Process Technology Based on Biomass and Gaseous Fuels. <i>Advanced Materials Research</i> , 2014 , 918, 136-144	0.5	8
124	Utilizaç�o de g�s de coqueria na sinterizaç�o de min�rio de ferro. <i>Revista Escola De Minas</i> , 2012 , 65, 357-362	8	
123	Optimizing the Heat Treatment of Rare Earth-Transition Metal Sintered Magnets. <i>Materials Science Forum</i> , 2010 , 660-661, 290-295	0.4	8
122	Cellular automata simulation of site-saturated and constant nucleation rate transformations in three dimensions. <i>Materials Research</i> , 2006 , 9, 223-230	1.5	8
121	A Comprehensive Modeling as a Tool for Developing New Mini Blast Furnace Technologies Based on Biomass and Hydrogen Operation. <i>Journal of Sustainable Metallurgy</i> , 2020 , 6, 281-293	2.7	7
120	Determination of heat capacity of pure metals, compounds and alloys by analytical and numerical methods. <i>Thermochimica Acta</i> , 2019 , 682, 178418	2.9	7
119	Study of the induration phenomena in single pellet to traveling grate furnace. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 315-322	5.5	7
118	Numerical method applied to duplex stainless steel welding. <i>Ironmaking and Steelmaking</i> , 2013 , 40, 420-429	7	
117	SIMULA�O COMPUTACIONAL DA INJE�O DE CARV�O PULVERIZADO NAS VENTANEIRAS DE MINI ALTOS-FORNOS. <i>Tecnologia Em Metalurgia E Materiais</i> , 2004 , 1, 59-62		7
116	On the prediction of temperature-dependent viscosity of multicomponent liquid alloys. <i>Continuum Mechanics and Thermodynamics</i> , 2019 , 31, 1369-1385	3.5	7
115	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. <i>Science and Technology of Materials</i> , 2018 , 30, 51-59		7
114	Modeling the Heat Treatment of Dy-Diffused Nd ₂ Fe ₁₄ B Magnets: The Shell Model. <i>Materials Science Forum</i> , 2012 , 727-728, 146-150	0.4	6
113	Cellular Automata Simulation of the Effect of Nuclei Distribution on the Recrystallization Kinetics. <i>Materials Science Forum</i> , 2004 , 467-470, 659-664	0.4	6
112	An overview on nucleation theories and models. <i>Journal of Rare Earths</i> , 2019 , 37, 1015-1022	3.7	5
111	Migration of inorganic ions from the leachate of the Rio das Ostras landfill: a comparison of three different configurations of protective barriers. <i>Waste Management</i> , 2014 , 34, 2285-91	8.6	5
110	Application of Nanoparticle Tracking Analysis (NTA) in Aqueous Solutions of TiO ₂ . <i>Materials Science Forum</i> , 2014 , 802, 624-629	0.4	5
109	One Domain Wall Hysteresis Model for Spherical Grain. <i>Materials Science Forum</i> , 2012 , 727-728, 140-145	0.4	5
108	Simulating Sintering Process in SmCo ₅ Magnets. <i>Materials Science Forum</i> , 2008 , 591-593, 80-85	0.4	5

107	Modelling the Heat Treatment of Sintered SmCo ₅ Magnets. <i>Materials Science Forum</i> , 2006 , 530-531, 152-157	0.4	5
106	ESTUDO NUMÉRICO DA RECICLAGEM DE CO ₂ NA ZONA DE COMBUSTÃO DO ALTO FORNO. <i>Tecnologia Em Metalurgia E Materiais</i> , 2009 , 6, 13-18		5
105	The Mini Blast Furnace Process: An Efficient Reactor for Green Pig Iron Production Using Charcoal and Hydrogen-Rich Gas: A Study of Cases. <i>Metals</i> , 2020 , 10, 1501	2.3	5
104	Effects of the silica nanoparticles (NPSiO ₂) on the stabilization and transport of hazardous nanoparticle suspensions into landfill soil columns. <i>REM: International Engineering Journal</i> , 2017 , 70, 317-323	0.4	4
103	Application of Computational Thermodynamics to the Evolution of Surface Tension and Gibbs-Thomson Coefficient during Multicomponent Aluminum Alloy Solidification. <i>Materials Science Forum</i> , 2016 , 869, 416-422	0.4	4
102	Study of the Interaction of Copper Nanoparticles with Titanium in Landfill Soils Layers. <i>Materials Science Forum</i> , 2016 , 869, 778-783	0.4	4
101	Estudo Numérico e Experimental da Evolução Microestrutural e das Propriedades de Juntas Soldadas de Vergalhões pelo Processo GMAW. <i>Soldagem E Inspecao</i> , 2015 , 20, 434-445	0.3	4
100	Modeling, simulation and identification for control of tandem cold metal rolling. <i>Materials Research</i> , 2012 , 15, 928-936	1.5	4
99	Iron Ore Sintering Process Based on Alternative Gaseous Fuels from Steelworks. <i>Advanced Materials Research</i> , 2012 , 535-537, 554-560	0.5	4
98	ESTUDO NUMÉRICO DA INFLUÊNCIA DE PROPRIEDADES DE AMOLECIMENTO E FUSÃO NA CINÉTICA DE FORMAÇÃO DE (CaFe ₂ O ₄ -Ca ₂ Fe ₂ O ₅) NA SINTERIZAÇÃO DE MINÉRIO DE FERRO. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2013 , 10, 17-27	1.7	4
97	Microalgae Technique for Bioremediation Treatment of Cassava Wastewater. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	4
96	Hysteresis Modeling of Nanocrystalline NdFeB Magnets. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 847-850	1.5	3
95	Kinetic of Self-Reducing Mixtures of Iron Ore and Biomass of Elephant Grass. <i>Materials Science Forum</i> , 2016 , 869, 1007-1012	0.4	3
94	Characterization of Residual Stresses and Microstructural by Technique of Magnetic Barkhausen Noise of API 5L X80 Steel Heat Treatment. <i>Materials Science Forum</i> , 2016 , 869, 556-561	0.4	3
93	2D Phase-Field Simulation of the Directional Solidification Process. <i>Applied Mechanics and Materials</i> , 2014 , 704, 17-21	0.3	3
92	Characterization of BOF Dust for Pellets Production Used in Blast Furnace. <i>Materials Science Forum</i> , 2014 , 798-799, 611-616	0.4	3
91	Modeling the Densification of 316L Stainless Steels. <i>Materials Science Forum</i> , 2012 , 727-728, 440-445	0.4	3
90	Predicting Recoil Curves in Stoner-Wohlfarth Anisotropic Magnets. <i>Acta Physica Polonica A</i> , 2019 , 136, 737-739	0.6	3

89	Numerical Analysis of Raceway Formation in Isothermal and Non-reactive Packed Bed. <i>ISIJ International</i> , 2020 , 60, 2669-2677	1.7	3
88	Effect of polymer aggregation on the kinetics of hydrate formation. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 73, 103053	4.6	3
87	Evaluation of the diffusional coefficient in the acid baking process using microwave energy to reduce phosphorus content in iron ore particles. <i>Minerals Engineering</i> , 2020 , 157, 106541	4.9	3
86	Evaluation of Residual Stresses in Welded ASTM A36 Structural Steel by Metal Active Gas (MAG) Welding Process. <i>Materials Science Forum</i> , 2016 , 869, 567-571	0.4	3
85	A degradation kinetics model of Mg ²⁺ /Zn ²⁺ /Mn ²⁺ /Ca alloys in Kokubo solution. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 887-895	5.5	3
84	Avalia ^o de Par ^â metros de Soldagem nas Caracter ^{ísticas} de Juntas Dissimilares Inconel 718 - Inox 316L Soldadas pelo Processo TIG Aut ^o g ^{en} o. <i>Soldagem E Inspecao</i> , 2018 , 23, 380-392	0.3	3
83	Mathematical modeling of the shaft furnace process for producing DRI based on the multiphase theory. <i>REM: International Engineering Journal</i> , 2018 , 71, 81-87	0.4	3
82	Experimental Investigation of Ternary Al-Si-Cu Alloy Solidified with Unsteady-State Heat Flow Conditions. <i>Materials Research</i> , 2018 , 21,	1.5	3
81	Evaluation of mechanical properties of porous alumina ceramics obtained using rice husk as a porogenic agent. <i>Ceramica</i> , 2019 , 65, 70-74	1	2
80	Calculation of Recoil Curves in Isotropic and Anisotropic Stoner ^W ohlfarth Materials. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-4	2	2
79	Displacement of the Ignition Furnace in the Iron Ore Sintering with Re-Circulation of Waste Gases. <i>Materials Science Forum</i> , 2016 , 869, 643-648	0.4	2
78	Modeling the Transport of Hazardous Colloidal Suspensions of Nanoparticles Within Soil of Landfill Layers Considering Multicomponent Interactions. <i>Journal of Sustainable Metallurgy</i> , 2019 , 5, 581-593	2.7	2
77	Sintered Fe50Ni Alloy Produced by Mixing Iron and Nickel Powders. <i>Materials Science Forum</i> , 2014 , 802, 524-529	0.4	2
76	Characterization and three-dimensional reconstruction of pores of self-reducing pellets done by EAF dust. <i>Materials Research</i> , 2014 , 17, 47-55	1.5	2
75	MSW Leachate Inorganic Ion Diffusion through Compacted Soil and HDPE Geomembrane Barrier - Laboratory Experiments and Model Validation. <i>Materials Science Forum</i> , 2014 , 802, 630-635	0.4	2
74	Relation between Initial Magnetization Curve and Grain Size of Nanocrystalline NdFeB Magnets. <i>Materials Science Forum</i> , 2014 , 802, 558-562	0.4	2
73	Modeling Sintering Process of Iron Ore 2012 ,		2
72	Modeling the Densification of FeSi Sintered Magnetic Alloys. <i>Materials Science Forum</i> , 2012 , 727-728, 175-180	0.4	2

71	Modeling the Welding Process of the Low Alloy Ferritic Steels T/P23 and T/P24. <i>Advanced Materials Research</i> , 2012 , 476-478, 642-649	0.5	2
70	Three-Dimensional Reconstruction of the Porosity of Pellets of Iron Oxide and Coal Powders by Serial Sectioning. <i>Materials Science Forum</i> , 2012 , 727-728, 26-31	0.4	2
69	Study of Hydrate Formation Kinetics in Petroleum Pipes by the Phase Field. <i>Heat Transfer Engineering</i> , 2009 , 30, 309-315	1.7	2
68	Evaluation of the Acid Baking Technique to Decrease the Phosphorus Content of the Iron Ore. <i>Materials Research</i> , 2019 , 22,	1.5	2
67	Effects of Zn content on surface deformability and corrosion resistance of MgZnMnCa alloys. <i>International Journal of Materials Research</i> , 2020 , 111, 511-518	0.5	2
66	MODELO MATEMÁTICO TRIDIMENSIONAL MULTI-FÍSICO DA GERAÇÃO DE DIOXINAS NO LEITO DE SINTERIZAÇÃO. <i>Tecnologia Em Metalurgia E Materiais</i> , 2005 , 2, 45-49		2
65	AVALIAÇÃO DO DESEMPENHO DO ALTO-FORNO COM A UTILIZAÇÃO DE PELOTA AUTO-REDUTORA, ATRAVÉS DA SIMULAÇÃO COMPUTACIONAL. <i>Tecnologia Em Metalurgia E Materiais</i> , 2005 , 2, 45-50		2
64	Analysis of a compact iron ore sintering process based on agglomerated biochar and gaseous fuels using a 3D multiphase multicomponent mathematical model. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 6001-6013	5.5	2
63	Ellipsometric Characterization of AZ31 Magnesium Alloy. <i>Materials Science Forum</i> , 2018 , 930, 478-483	0.4	2
62	Synthesis and Characterization by Ellipsometry of Cationic Membranes for Fuel Cells. <i>Materials Science Forum</i> , 2018 , 930, 625-630	0.4	2
61	Numerical and experimental study of the microstructural evolution and the properties of joints welded on rebars using the GMAW process. <i>Welding International</i> , 2017 , 31, 425-434	0.1	1
60	Effects of an External Magnetic Field on the Microstructural and Mechanical Properties of the Fusion Zone in TIG Welding. <i>Metals</i> , 2020 , 10, 714	2.3	1
59	Effects of Local Heat Input Conditions on the Thermophysical Properties of Super Duplex Stainless Steels (SDSS). <i>Materials Research</i> , 2017 , 20, 153-161	1.5	1
58	Hysteresis Modeling of Bonded Anisotropic Ferrite Magnets. <i>Materials Science Forum</i> , 2018 , 912, 102-105.	0.4	1
57	Hysteresis Modeling of NdFeB Magnets with High Nd. <i>Materials Science Forum</i> , 2016 , 869, 585-590	0.4	1
56	Comparing two different arc welding processes through the welding energy: a selection analysis based on quality and energy consumption. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	1
55	Effect of Compaction Pressure on the Hysteresis Loop of NdFeB Bonded Magnets. <i>Materials Science Forum</i> , 2017 , 899, 576-580	0.4	1
54	Influence of the Grain Size on the Dysprosium Diffusion in NdFeB Magnets. <i>Materials Science Forum</i> , 2014 , 802, 546-551	0.4	1

53	Phase Field Simulations of Dendritic Crystal Growth with Focus on the Computational Efficiency. <i>Advanced Materials Research</i> , 2014 , 1025-1026, 745-748	0.5	1
52	Magnetic Domains Observation from Bitter Patterns of NdFeB Alloy. <i>Materials Science Forum</i> , 2014 , 802, 569-573	0.4	1
51	Upper Limit for the Coercive Force in NdFeB and PrFeB Magnets. <i>Materials Science Forum</i> , 2014 , 802, 596-600	0.4	1
50	Grain Growth Kinetics of (NdPr) ₂ Fe ₁₄ B Magnets. <i>Materials Science Forum</i> , 2014 , 802, 540-545	0.4	1
49	Modelamento da utilizaç ^ã o de aglomerado autorredutor em minialto-forno com recirculaç ^ã o de g ^{ás} de topo. <i>Revista Escola De Minas</i> , 2012 , 65, 65-71		1
48	Study of Iron Nanopowders into Fluids of Industrial Lubrication. <i>Materials Science Forum</i> , 2012 , 727-728, 1654-1659	0.4	1
47	A Theoretical Study on BTX Adsorption into the Surface of Compacted Activated Carbon Powders. <i>Materials Science Forum</i> , 2012 , 727-728, 1660-1665	0.4	1
46	THERMAL FATIGUE LIVE ANALYSIS OF BRAKE DRUMS MADE WITH GRAY CAST IRON AND VERMICULAR CASTIRON VIA FEM SIMULATION 2005 ,		1
45	Resist ^{ência} e Corros ^{ão} de Juntas Dissimilares dos A ^{ços} AISI 316L e da Liga Inconel 718. <i>Soldagem E Inspecao</i> , 24 ,	0.3	1
44	Computational Analysis of The Performance of Shaft Furnaces with Partial Replacement of The Burden with Self-Reducing Pellets Containing Biomass. <i>Materials Research</i> , 2019 , 22,	1.5	1
43	Correlation Among the Input Thermal Parameters and Thermography Measurements Data of the Resistance Seam Welding. <i>Materials Research</i> , 2020 , 23,	1.5	1
42	Predictions of PCDD/F, SO _x , NO _x , and Particulates in the Iron Ore Sintering Process of Integrated Steelworks 2016 , 27-38		1
41	Sodium alginate polymer as a kinetic inhibitor of methane hydrate formation. <i>Journal of Materials Research and Technology</i> , 2021 , 12, 1999-2010	5.5	1
40	Kinetic Study on Martensite Formation in Steels 1045 and 4340 under Variable Cooling Rates. <i>Materials Science Forum</i> , 2016 , 869, 550-555	0.4	1
39	Perspectives for the Brazilian Industry of Rare-Earth Magnets. <i>Materials Science Forum</i> , 2016 , 869, 602-607		1
38	Analysis of the Carbothermic Reduction of Iron Ore-Coke Composite Mixtures by Microwave Heating. <i>Materials Research</i> , 2021 , 24,	1.5	1
37	Avaliaç ^{ão} de Eletrodos de Solda a Ponto por Resist ^{ência} El ^{étrica} Revestidos com Cromo em Solda de Zircalloy. <i>Soldagem E Inspecao</i> , 2018 , 23, 350-363	0.3	1
36	An Investigation of the Parameters for Characterization and Prediction of Wear of Drum Brake Friction Material. <i>Journal of Materials Engineering and Performance</i> , 1	1.6	1

35	Microalgae bioremediation and CO ₂ fixation of industrial wastewater. <i>Cleaner Engineering and Technology</i> , 2022 , 8, 100466	2.7	1
34	Impact of ZnO Concentration on the Stability of Agglomerates of TiO ₂ Engineered Nanoparticles: Effects of the pH, Ionic Strength and Zeta Potential. <i>Materials Science Forum</i> , 2020 , 1012, 167-172	0.4	0
33	Inhibition of the oxygen evolution reaction during titanium passivation in aqueous phosphoric acid solution. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 1991-1998	2.6	0
32	Characterization of cassava biomass using differential scanning calorimetry and thermogravimetry for energy purposes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 3811-3823	4.1	0
31	Magnetite Nanoparticles Study Applied to Magnetic Hyperthermia Treatment. <i>Materials Science Forum</i> , 2017 , 899, 543-548	0.4	0
30	Analysis of the Iron Ore Pellet Mechanical Behavior under Biaxial Compression. <i>Materials Science Forum</i> , 2017 , 899, 448-451	0.4	0
29	Modeling a Compact Sintering Process Based on Biomass Fuels. <i>Advanced Materials Research</i> , 2014 , 902, 33-40	0.5	0
28	Evaluation of MgZnCa Alloys Fabricated Via Powder Metallurgy for Manufacturing Biodegradable Surgical Implants. <i>Jom</i> , 2021 , 73, 2403-2412	2.1	0
27	Effects of Heat Input Conditions on the Local Thermophysical Properties of Super Duplex Stainless Steels. <i>Materials Science Forum</i> , 2018 , 930, 317-321	0.4	0
26	Three-Dimensional Microstructure Reconstruction and Phase Boundary by Serial Sectioning and Numerical Approach. <i>Materials Science Forum</i> , 2017 , 899, 395-399	0.4	
25	A Finite Element Analysis for an Iron Ore Pellet Compression Test. <i>Materials Science Forum</i> , 2017 , 899, 474-477	0.4	
24	Avaliação da rota de redução do teor do elemento fósforo contido no minério de ferro através da técnica de aquecimento por energia de micro-ondas seguida de lixiviação úmida. <i>Ciência & Tecnologia Dos Materiais</i> , 2015 , 27, 63-72		
23	Replacement of NdFeB by Ferrite Magnets. <i>Materials Science Forum</i> , 2018 , 912, 106-111	0.4	
22	Evaluation of Martensite Fraction in 1026 Steel by Infrared Thermography Combined with the Koistinen-Marburger Model. <i>Materials Science Forum</i> , 2016 , 869, 411-415	0.4	
21	Thermal Aging of NdFeB Compression Molded Magnets. <i>Materials Science Forum</i> , 2017 , 899, 572-575	0.4	
20	Evolution of Sintering of Particles that Compose Iron Ore Agglomerates. <i>Materials Science Forum</i> , 2017 , 899, 371-376	0.4	
19	Analysis of the Microwave Heating Effect in the Comminution Efficiency of Iron Ore Particles. <i>Materials Science Forum</i> , 2017 , 899, 383-388	0.4	
18	B-H Loop of Sintered Stainless Steel 410 Adjusted by Superellipse Model. <i>Materials Science Forum</i> , 2017 , 899, 554-558	0.4	

- 17 Study of the Effects of SiO₂ Nanoparticles Concentration on the TiO₂ Nanoparticles Suspensions Stabilization. *Materials Science Forum*, **2017**, 899, 232-236 0.4
- 16 Kinetic Behavior of Self-Reducing Pellets Containing Coal of Elephant Grass. *Materials Science Forum*, **2017**, 899, 377-382 0.4
- 15 Predictions of Xylene Adsorption on Agglomerated Activated Carbon Pellets in a Fixed Bed Column. *Materials Science Forum*, **2014**, 802, 636-641 0.4
- 14 Modeling the Neodymium Metallic Reduction from Molten Salts. *Materials Science Forum*, **2014**, 802, 607-612 0.4
- 13 Densification Behaviour Modelling for Metallic Powders. *Materials Science Forum*, **2014**, 802, 317-322 0.4
- 12 Experimental Analysis of Behavior in TiO₂ Nanoparticle Suspension. *Materials Science Forum*, **2014**, 802, 163-167 0.4
- 11 Squareness of NdFeB Stoner-Wohlfarth Hysteresis. *Materials Science Forum*, **2014**, 802, 601-606 0.4
- 10 Thermal Analysis Investigation of NdFeB Bonded Magnets. *Materials Science Forum*, **2014**, 802, 590-595 0.4
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