

Daniel Fernández González

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

613
citations

759233

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all docs

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docs citations

49
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentrated solar energy applications in materials science and metallurgy. <i>Solar Energy</i> , 2018, 170, 520-540.	6.1	88
2	Iron Ore Sintering: Process. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2017, 38, 215-227.	5.0	68
3	Iron Ore Sintering: Raw Materials and Granulation. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2017, 38, 36-46.	5.0	62
4	Iron Ore Sintering: Quality Indices. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2017, 38, 254-264.	5.0	39
5	Solar synthesis of calcium aluminates. <i>Solar Energy</i> , 2018, 171, 658-666.	6.1	36
6	The treatment of Basic Oxygen Furnace (BOF) slag with concentrated solar energy. <i>Solar Energy</i> , 2019, 180, 372-382.	6.1	33
7	Physical Metallurgy of Cast Irons. , 2018, , .		21
8	Iron Ore Sintering: Environment, Automatic, and Control Techniques. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2017, 38, 238-249.	5.0	20
9	Iron Metallurgy via Concentrated Solar Energy. <i>Metals</i> , 2018, 8, 873.	2.3	18
10	Blast furnace and metallurgical coke's reactivity and its determination by thermal gravimetric analysis. <i>Ironmaking and Steelmaking</i> , 2015, 42, 618-625.	2.1	17
11	Optimization of Sinter Plant Operating Conditions Using Advanced Multivariate Statistics: Intelligent Data Processing. <i>Jom</i> , 2016, 68, 2089-2095.	1.9	16
12	Transformations in the Iron-Manganese-Oxygen-Carbon System Resulted from Treatment of Solar Energy with High Concentration. <i>Steel Research International</i> , 2014, 85, 1469-1476.	1.8	15
13	Transformations in the Si-O-Ca system: Silicon-calcium via solar energy. <i>Solar Energy</i> , 2019, 181, 414-423.	6.1	15
14	Cold Agglomeration of Ultrafine Oxidized Dust (UOD) from Ferromanganese and Silicomanganese Industrial Process. <i>Metals</i> , 2016, 6, 203.	2.3	14
15	Transformations in the Mn-O-Si system using concentrated solar energy. <i>Solar Energy</i> , 2019, 184, 148-152.	6.1	14
16	Development of an Ultra-Low Carbon MgO Refractory Doped with $\hat{1}\pm$ -Al ₂ O ₃ Nanoparticles for the Steelmaking Industry: A Microstructural and Thermo-Mechanical Study. <i>Materials</i> , 2020, 13, 715.	2.9	14
17	Research and Development of Novel Refractory of MgO Doped with ZrO ₂ Nanoparticles for Copper Slag Resistance. <i>Materials</i> , 2021, 14, 2277.	2.9	13
18	Iron Ore Agglomeration Technologies. , 0, , .		12

#	ARTICLE	IF	CITATIONS
19	Effect of Mineral Aggregates and Chemical Admixtures as Internal Curing Agents on the Mechanical Properties and Durability of High-Performance Concrete. <i>Materials</i> , 2020, 13, 2090.	2.9	12
20	XPS Study on Calcining Mixtures of Brucite with Titania. <i>Materials</i> , 2022, 15, 3117.	2.9	11
21	Effects of irradiation energy and nanoparticle concentrations on the structure and morphology of laser sintered magnesia with alumina and iron oxide nanoparticles. <i>Ceramics International</i> , 2020, 46, 7850-7860.	4.8	9
22	Recovery of Copper and Magnetite from Copper Slag Using Concentrated Solar Power (CSP). <i>Metals</i> , 2021, 11, 1032.	2.3	8
23	Synthesis and processing of improved graphite-molybdenum-titanium composites by colloidal route and spark plasma sintering. <i>Ceramics International</i> , 2021, 47, 30993-30998.	4.8	8
24	Consolidation and mechanical properties of ZrCu _{39.85} Y _{2.37} Al _{1.8} bulk metallic glass obtained from gas-atomized powders by spark plasma sintering. <i>Intermetallics</i> , 2021, 139, 107366.	3.9	7
25	Effect of green body density on the properties of graphite-molybdenum-titanium composite sintered by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2048-2054.	5.7	7
26	Anodic Lodes and Scrapings as a Source of Electrolytic Manganese. <i>Metals</i> , 2018, 8, 162.	2.3	6
27	MgO Refractory Doped with ZrO ₂ Nanoparticles: Influence of Cold Isostatic and Uniaxial Pressing and Sintering Temperature in the Physical and Chemical Properties. <i>Metals</i> , 2019, 9, 1297.	2.3	6
28	Tribo-corrosion protection of valves and rotors using cermet layers applied with HVOF. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017, 53, 373-378.	1.1	2
29	Silicomanganese and Ferromanganese Slags Treated with Concentrated Solar Energy. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	2
30	Study of copper fixation mechanisms on Bayer Process Electrostatic precipitator Microparticles (BPEM) using ¹ H and ²⁷ Al NMR spectroscopy. <i>Journal of Water Process Engineering</i> , 2021, 39, 101872.	5.6	2
31	MgO-ZrO ₂ Ceramic Composites for Silicomanganese Production. <i>Materials</i> , 2022, 15, 2421.	2.9	2
32	Manufacture of a High Temperature Structural Insulator (HTSI) Using Electrofilter Powders Generated in the Bayer Process. <i>Transactions of the Indian Ceramic Society</i> , 2021, 80, 163-173.	1.0	1
33	Cold Rolling. Deep Drawing. Wire Drawing. Coatings. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 379-475.	1.6	0
34	Strengths and Uncertainties of the Steel as Structural Material. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 477-488.	1.6	0
35	Hot-Working Operations. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 293-378.	1.6	0
36	Solidification of the Steel. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 233-291.	1.6	0

#	ARTICLE	IF	CITATIONS
37	The Basic Oxygen Furnace to Obtain Steel. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 1-81.	1.6	0
38	The Electric Steelworks. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 83-172.	1.6	0
39	Pelletizing. Topics in Mining, Metallurgy and Materials Engineering, 2020, , 65-92.	1.6	0
40	Ironmaking Coke. Topics in Mining, Metallurgy and Materials Engineering, 2020, , 93-113.	1.6	0
41	Production of Iron by Reduction with Gas. Topics in Mining, Metallurgy and Materials Engineering, 2020, , 115-137.	1.6	0