

Denise Croce Romano Espinosa

List of Publications by Year in descending order

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179
papers

4,679
citations

159585

30
h-index

118850

62
g-index

212
all docs

212
docs citations

212
times ranked

3659
citing authors

#	ARTICLE	IF	CITATIONS
1	E-waste: An overview on generation, collection, legislation and recycling practices. Resources, Conservation and Recycling, 2017, 122, 32-42.	10.8	570
2	Recycling of batteries: a review of current processes and technologies. Journal of Power Sources, 2004, 130, 291-298.	7.8	475
3	Recycling of WEEE: Characterization of spent printed circuit boards from mobile phones and computers. Waste Management, 2011, 31, 2553-2558.	7.4	321
4	An overview on the current processes for the recycling of batteries. Journal of Power Sources, 2004, 135, 311-319.	7.8	234
5	Electric car battery: An overview on global demand, recycling and future approaches towards sustainability. Journal of Environmental Management, 2021, 295, 113091.	7.8	163
6	Metal separation from mixed types of batteries using selective precipitation and liquid-liquid extraction techniques. Waste Management, 2011, 31, 59-64.	7.4	153
7	Printed circuit board recycling: Physical processing and copper extraction by selective leaching. Waste Management, 2015, 46, 503-510.	7.4	153
8	A review of cleaner production in electroplating industries using electrodialysis. Journal of Cleaner Production, 2017, 168, 1590-1602.	9.3	124
9	Treatment of chromium plating process effluents with ion exchange resins. Waste Management, 2001, 21, 637-642.	7.4	85
10	Removal of Iron from Molten Recycled Aluminum through Intermediate Phase Filtration. Materials Transactions, 2006, 47, 1731-1736.	1.2	66
11	Effect of salt/oxide interaction on the process of aluminum recycling. Journal of Light Metals, 2002, 2, 89-93.	0.8	65
12	Recovery of Ni-based alloys from spent NiMH batteries. Journal of Power Sources, 2002, 108, 70-73.	7.8	61
13	Enhancing cobalt recovery from Li-ion batteries using grinding treatment prior to the leaching and solvent extraction process. Journal of Environmental Chemical Engineering, 2020, 8, 103801.	6.7	58
14	Collection and recycling of portable batteries: a worldwide overview compared to the Brazilian situation. Journal of Power Sources, 2003, 124, 586-592.	7.8	54
15	Recovery of scandium from various sources: A critical review of the state of the art and future prospects. Minerals Engineering, 2021, 172, 107148.	4.3	53
16	High-Temperature Oxidation of Al-Mg Alloys. Oxidation of Metals, 2000, 53, 361-373.	2.1	52
17	A review of the current progress in recycling technologies for gallium and rare earth elements from light-emitting diodes. Renewable and Sustainable Energy Reviews, 2021, 145, 111090.	16.4	52
18	Recycling of polymeric composites from industrial waste by pyrolysis: Deep evaluation for carbon fibers reuse. Waste Management, 2021, 120, 1-9.	7.4	49

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19	Bioleaching of electronic waste using bacteria isolated from the marine sponge <i>Hymeniacidon heliophila</i> (Porifera). <i>Journal of Hazardous Materials</i> , 2017, 329, 120-130.	12.4	45
20	Laboratory study of galvanic sludge's influence on the clinkerization process. <i>Resources, Conservation and Recycling</i> , 2000, 31, 71-82.	10.8	44
21	A Review of Nickel, Copper, and Cobalt Recovery by Chelating Ion Exchange Resins from Mining Processes and Mining Tailings. <i>Mining, Metallurgy and Exploration</i> , 2019, 36, 199-213.	0.8	44
22	Determination of Cu and Ni incorporation ratios in Portland cement clinker. <i>Waste Management</i> , 2003, 23, 281-285.	7.4	43
23	Treatment of wastewaters from cyanide-free plating process by electrodialysis. <i>Journal of Cleaner Production</i> , 2015, 91, 241-250.	9.3	42
24	SEPARATION OF COPPER FROM A LEACHING SOLUTION OF PRINTED CIRCUIT BOARDS BY USING SOLVENT EXTRACTION WITH D2EHPA. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 919-930.	1.3	41
25	Thermal behavior of chromium electroplating sludge. <i>Waste Management</i> , 2001, 21, 405-410.	7.4	40
26	Recycling of nickel-cadmium batteries using coal as reducing agent. <i>Journal of Power Sources</i> , 2006, 157, 600-604.	7.8	40
27	Cobalt Recovery from Li-Ion Battery Recycling: A Critical Review. <i>Metals</i> , 2021, 11, 1999.	2.3	37
28	Evaluation of the incorporation ratio of ZnO, PbO and CdO into cement clinker. <i>Journal of Hazardous Materials</i> , 2004, 112, 71-78.	12.4	34
29	Brazilian policy on battery disposal and its practical effects on battery recycling. <i>Journal of Power Sources</i> , 2004, 137, 134-139.	7.8	34
30	Electronic scraps – Recovering of valuable materials from parallel wire cables. <i>Waste Management</i> , 2008, 28, 2177-2182.	7.4	34
31	Adsorption of lanthanum and cerium on chelating ion exchange resins: kinetic and thermodynamic studies. <i>Separation Science and Technology</i> , 2022, 57, 60-69.	2.5	33
32	E-waste management and sustainability: a case study in Brazil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25221-25232.	5.3	31
33	Recovery of metals by ion exchange process using chelating resin and sodium dithionite. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4464-4469.	5.8	30
34	Investigation of mercury cyanide adsorption from synthetic wastewater aqueous solution on granular activated carbon. <i>Journal of Water Process Engineering</i> , 2020, 34, 101154.	5.6	30
35	Investigation of ion-exchange membranes by means of chronopotentiometry: A comprehensive review on this highly informative and multipurpose technique. <i>Advances in Colloid and Interface Science</i> , 2021, 293, 102439.	14.7	30
36	Selective separation of Sc(III) and Zr(IV) from the leaching of bauxite residue using trialkylphosphine acids, tertiary amine, tri-butyl phosphate and their mixtures. <i>Separation and Purification Technology</i> , 2021, 279, 119798.	7.9	30

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37	A three-stage chemical cleaning of ion-exchange membranes used in the treatment by electro dialysis of wastewaters generated in brass electroplating industries. <i>Desalination</i> , 2020, 492, 114628.	8.2	29
38	Water reclamation and chemicals recovery from a novel cyanide-free copper plating bath using electro dialysis membrane process. <i>Desalination</i> , 2018, 436, 114-124.	8.2	28
39	Effect of iron oxidation state for copper recovery from nickel laterite leach solution using chelating resin. <i>Separation Science and Technology</i> , 2020, 55, 788-798.	2.5	28
40	Synthesis and characterization of nanozeolite from (agro)industrial waste for application in heterogeneous photocatalysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3794-3807.	5.3	28
41	Fundamental aspects of recycling of nickel-cadmium batteries through vacuum distillation. <i>Journal of Power Sources</i> , 2004, 135, 320-326.	7.8	27
42	Sulfuric acid leaching of metals from waste Li-ion batteries without using reducing agent. <i>Minerals Engineering</i> , 2022, 183, 107597.	4.3	27
43	Recovery of nickel and cobalt from nickel laterite leach solution using chelating resins and pre-reducing process. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1181-1190.	1.7	26
44	Nucleation and growth of graphite particles in ductile cast iron. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1230-1234.	5.5	26
45	Green synthesis, characterization, and application of copper nanoparticles obtained from printed circuit boards to degrade mining surfactant by Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106576.	6.7	24
46	Synthetic zinc ferrite reduction by means of mixtures containing hydrogen and carbon monoxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 631-641.	3.6	23
47	Copper recovery from nickel laterite with high-iron content: A continuous process from mining waste. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 957-968.	1.7	23
48	Unfolding the Vanadium Redox Flow Batteries: An in-depth perspective on its components and current operation challenges. <i>Journal of Energy Storage</i> , 2021, 43, 103180.	8.1	23
49	Evaluation of the effect of the solution concentration and membrane morphology on the transport properties of Cu(II) through two monopolar cation-exchange membranes. <i>Separation and Purification Technology</i> , 2018, 193, 184-192.	7.9	22
50	Effect of Cr ₂ O ₃ and NiO additions on the phase transformations at high temperature in Portland cement. <i>Cement and Concrete Research</i> , 2004, 34, 1795-1801.	11.0	21
51	Purification of an iron contaminated vanadium solution through ion exchange resins. <i>Minerals Engineering</i> , 2022, 176, 107337.	4.3	21
52	Evaluation of the transport properties of copper ions through a heterogeneous ion-exchange membrane in etidronic acid solutions by chronopotentiometry. <i>Journal of Membrane Science</i> , 2017, 535, 268-278.	8.2	20
53	Chronopotentiometry of an anion-exchange membrane for treating a synthesized free-cyanide effluent from brass electrodeposition with EDTA as chelating agent. <i>Separation and Purification Technology</i> , 2018, 201, 244-255.	7.9	20
54	Recovery of Cu(II) from nickel laterite leach using prereduction and chelating resin extraction: Batch and continuous experiments. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 924-929.	1.7	20

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55	Recycling of aluminum " effect of fluoride additions on the salt viscosity and on the alumina dissolution. <i>Journal of Light Metals</i> , 2001, 1, 195-198.	0.8	19
56	Reduction of electric arc furnace dust pellets by simulated reformed natural gas. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1889-1897.	3.6	19
57	Pre-Reducing Process Kinetics to Recover Metals from Nickel Leach Waste Using Chelating Resins. <i>International Journal of Chemical Engineering</i> , 2018, 2018, 1-7.	2.4	19
58	Study of metal electrodeposition by means of simulated and experimental polarization curves: Zinc deposition on steel electrodes. <i>Electrochimica Acta</i> , 2019, 309, 86-103.	5.2	19
59	Scandium Extraction from Nickel Processing Waste Using Cyanex 923 in Sulfuric Medium. <i>Jom</i> , 2019, 71, 2003-2009.	1.9	19
60	Treatment of Cyanide-Free Wastewater from Brass Electrodeposition with EDTA by Electrodialysis: Evaluation of Underlimiting and Overlimiting Operations. <i>Membranes</i> , 2020, 10, 69.	3.0	19
61	Silver nanoparticles from residual biomass: Biosynthesis, characterization and antimicrobial activity. <i>Journal of Biotechnology</i> , 2022, 343, 47-51.	3.8	19
62	CURRENT-VOLTAGE CURVES FOR TREATING EFFLUENT CONTAINING HEDP: DETERMINATION OF THE LIMITING CURRENT. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 831-836.	1.3	18
63	Evaluation of brass electrodeposition at RDE from cyanide-free bath using EDTA as a complexing agent. <i>Journal of Electroanalytical Chemistry</i> , 2020, 865, 114129.	3.8	18
64	Structure investigation for nickel and cobalt complexes formed during solvent extraction with the extractants Cyanex 272, Versatic 10 and their mixtures. <i>Minerals Engineering</i> , 2021, 160, 106691.	4.3	18
65	Zn and Fe Recovery from Electric Arc Furnace Dusts. <i>Materials Transactions</i> , 2014, 55, 351-356.	1.2	17
66	Chronopotentiometric study on the simultaneous transport of EDTA ionic species and hydroxyl ions through an anion-exchange membrane for electrodialysis applications. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114782.	3.8	17
67	Characterization of Bauxite Residue from a Press Filter System: Comparative Study and Challenges for Scandium Extraction. <i>Mining, Metallurgy and Exploration</i> , 2021, 38, 161-176.	0.8	17
68	Extraction of Scandium from Critical Elements-Bearing Mining Waste: Silica Gel Avoiding in Leaching Reaction of Bauxite Residue. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 1627-1642.	2.3	17
69	Electrodialysis for concentrating cobalt, chromium, manganese, and magnesium from a synthetic solution based on a nickel laterite processing route. <i>Separation and Purification Technology</i> , 2021, 275, 119192.	7.9	17
70	STUDY OF THE REDUCTION PROCESS OF IRON IN LEACHATE FROM NICKEL MINING WASTE. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 1241-1248.	1.3	16
71	The use of computational thermodynamic for yttrium recovery from rare earth elements-bearing residue. <i>Journal of Rare Earths</i> , 2021, 39, 201-207.	4.8	16
72	Adsorption for rhodamine b dye and biological activity of nano-porous chitosan from shrimp shells. <i>Environmental Science and Pollution Research</i> , 2022, 29, 49858-49869.	5.3	16

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73	Efeito da incorpora�o de lodo de ETA contendo alto teor de ferro em cer�mica argilosa. <i>Ceramica</i> , 2008, 54, 63-76.	0.8	14
74	Recovery of Steelmaking Slag and Granite Waste in the Production of Rock Wool. <i>Materials Research</i> , 2015, 18, 204-211.	1.3	13
75	Comparative study of selective copper recovery techniques from nickel laterite leach waste towards a competitive sustainable extractive process. <i>Cleaner Engineering and Technology</i> , 2020, 1, 100031.	4.0	13
76	Green Nanoarchitectonics of Silver Nanoparticles for Antimicrobial Activity Against Resistant Pathogens. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1213-1222.	3.7	13
77	Synthesis of Ag nanoparticles from waste printed circuit board. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106845.	6.7	13
78	Use of nitrogen in the recycling of nickel cadmium batteries. <i>Journal of Power Sources</i> , 2004, 136, 186-190.	7.8	12
79	Kinetic investigation of synthetic zinc ferrite reduction by hydrogen. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1215-1223.	3.6	12
80	Making iron aluminides out of scrap. <i>Journal of Materials Research and Technology</i> , 2014, 3, 101-106.	5.8	11
81	Self-assembly of supramolecular structure based on copper-lipopeptides isolated from e-waste bioleaching liquor. <i>Journal of Hazardous Materials</i> , 2019, 368, 63-71.	12.4	11
82	Degradation of surfactant used in iron mining by oxidation technique: Fenton, photo-Fenton, and H ₂ O ₂ /UV-A comparative study. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1069-1083.	1.7	11
83	Recovering metals from motherboard and memory board waste through sulfuric leaching. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106789.	6.7	11
84	Chloride influence on the incorporation of Cr ₂ O ₃ and NiO in clinker: a laboratory evaluation. <i>Journal of Hazardous Materials</i> , 2002, 93, 221-232.	12.4	10
85	Study of the high temperature oxidation and Kirkendall porosity in dissimilar welding joints between FE-CR-AL alloy and stainless steel AISI 310 after isothermal heat treatment at 1150 �C in air. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1636-1644.	5.8	10
86	Kinetic Study of Manganese Precipitation of Nickel Laterite Leach Based-solution by Ozone Oxidation. <i>Ozone: Science and Engineering</i> , 2021, 43, 324-338.	2.5	10
87	Analysis of pig iron desulfurization with mixtures from the CaO-Fluorspar and CaO-Sodalite system with the use of computational thermodynamics. <i>Revista Escola De Minas</i> , 2013, 66, 461-465.	0.1	9
88	Application of stepwise isothermal analysis method in the kinetic study of reduction of basic oxygen furnace dust. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1913-1919.	3.6	9
89	Recycling batteries. , 2019, , 371-391.		9
90	Bioleaching of metal from waste stream using a native strain of <i>Acidithiobacillus</i> isolated from a coal mine drainage. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2920-2927.	1.7	9

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91	Kinetic and thermodynamic study of magnesium obtaining as sulfate monohydrate from nickel laterite leach waste by crystallization. <i>Journal of Cleaner Production</i> , 2020, 272, 122735.	9.3	9
92	Kinetic investigation of self-reduction basic oxygen furnace dust briquettes using charcoals from different biomass. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13282-13293.	5.8	9
93	CCT diagrams of tricalcium silicate. <i>Materials Research Bulletin</i> , 2005, 40, 433-438.	5.2	7
94	Biossorção de metais presentes na DAM utilizando <i>Rhodococcus opacus</i> . <i>Revista Escola De Minas</i> , 2011, 64, 487-492.	0.1	7
95	Iron recovery from the waste generated during the cutting of granite. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 465-472.	3.5	7
96	Selecting chemicals for separation of ABS and HIPS in WEEE by froth flotation. <i>Polimeros</i> , 2019, 29, .	0.7	7
97	Recovery of Scandium by Leaching Process from Brazilian Red Mud. <i>Minerals, Metals and Materials Series</i> , 2019, , 73-79.	0.4	7
98	Synthesis of zeolite A using the waste of iron mine tailings dam and its application for industrial effluent treatment. <i>Journal of Sustainable Mining</i> , 2019, , .	0.2	7
99	Iron recovery from zinc mine tailings by magnetic separation followed by carbothermal reduction of self-reducing briquettes. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 166-177.	1.7	7
100	Biodegradation of cyanide using a <i>Bacillus subtilis</i> strain isolated from artisanal gold mining tailings. <i>Brazilian Journal of Chemical Engineering</i> , 2023, 40, 129-136.	1.3	7
101	Recycling of nickel-cadmium batteries: Thermogravimetric behavior of electrodes. <i>Journal of Power Sources</i> , 2006, 160, 744-751.	7.8	6
102	Bioleaching Process for Metal Recovery from Waste Materials. <i>Minerals, Metals and Materials Series</i> , 2017, , 283-290.	0.4	6
103	Copper Recovery from Printed Circuit Boards from Smartphones Through Bioleaching. <i>Minerals, Metals and Materials Series</i> , 2019, , 837-844.	0.4	6
104	Precipitation of Metals from Liquor Obtained in Nickel Mining. , 2016, , 333-338.		6
105	EFFECT OF pH TO RECOVER Cu(II), Ni(II) AND Co(II) FROM NICKEL LATERITE LEACH USING CHELATING RESINS. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2019, 16, 135-140.	0.2	6
106	Preparation and characterization of biochar from cement waste for removal of rhodamine B dye. <i>Journal of Material Cycles and Waste Management</i> , 2022, 24, 1333-1342.	3.0	6
107	Development of Synthetic Slag with Marble Waste and Calcium Aluminate Agents for Cast Iron Desulfurization. <i>Materials Research</i> , 2017, 20, 1230-1237.	1.3	5
108	Copper and zinc adsorption from bacterial biomass - possibility of low-cost industrial wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 2441-2450.	2.2	5

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109	Use of Chlorine to Remove Magnesium from Molten Aluminum. <i>Materials Transactions</i> , 2012, 53, 477-482.	1.2	4
110	BATTERY RECYCLING: EFFECT OF CURRENT DENSITY ON MANGANESE RECOVERY THROUGH ELECTROLYTIC PROCESS. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 271-277.	1.3	4
111	Achievements in electrodialysis processes for wastewater and water treatment. , 2020, , 127-160.		4
112	Antibacterial activity of nanozeolite doped with silver and titanium nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 235-243.	2.4	4
113	Leaching of Ti and V from the non-magnetic fraction of ilmenite-based ore: Kinetic and thermodynamic modelling. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 3408-3418.	1.7	4
114	Potential Application of Alternative Materials for Organic Pollutant Removal. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 65.	2.4	4
115	Effect of Impurities in the Recovery of Critical Metals: The Case of Nickel Laterite in the Solvent Extraction Process. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 501-510.	2.3	4
116	Promising technologies under development for recycling, remanufacturing, and reusing batteries: an introduction. , 2022, , 79-103.		4
117	Extraction of Rare-Earth Elements from Silicate-Based Ore through Hydrometallurgical Route. <i>Metals</i> , 2022, 12, 1133.	2.3	4
118	Decomposição da fase majoritária do cimento Portland - Parte I: Alita Pura. <i>Revista Escola De Minas</i> , 2003, 56, 87-90.	0.1	3
119	Decomposição da fase majoritária do cimento Portland - Parte II: alita com adições de Fe e Al. <i>Revista Escola De Minas</i> , 2003, 56, 113-117.	0.1	3
120	CCT diagrams of tricalcium silicate. <i>Materials Research Bulletin</i> , 2007, 42, 1099-1103.	5.2	3
121	Applications of the Rietveld method to quantify the crystalline phases of Portland cement clinker doped with nickel and chromium. <i>Powder Diffraction</i> , 2008, 23, S42-S45.	0.2	3
122	Biolixiviação de cobre de sucata eletrônica. <i>Revista Escola De Minas</i> , 2011, 64, 327-333.	0.1	3
123	Use of Computational Thermodynamics in the Analysis of Hot Metal Desulphurization with Slags Based on Marble Waste and Sodalite. <i>Materials Transactions</i> , 2016, 57, 1332-1338.	1.2	3
124	Recovery of Copper from Nickel Laterite Leach Waste by Chemical Reduction Using Sodium Dithionite. <i>Minerals, Metals and Materials Series</i> , 2018, , 429-434.	0.4	3
125	Characterization of mineral wools obtained from ornamental rock wastes. <i>REM: International Engineering Journal</i> , 2018, 71, 425-429.	0.4	3
126	Resource Recovery From E-waste for Environmental Sustainability: A Case Study in Brazil. , 2019, , 175-200.		3

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127	Application of Advanced Oxidation Process Using Ozonation Assisted with Hydrogen Peroxide for Organic Compounds Removal from Bayer Liquor. <i>Ozone: Science and Engineering</i> , 2022, 44, 291-301.	2.5	3
128	Gravity Separation of Zinc Mine Tailing Using Wilfley Shaking Table to Concentrate Hematite. <i>Minerals, Metals and Materials Series</i> , 2020, , 347-355.	0.4	3
129	Fabricação de lâmina de rocha a partir da escória da produção de ligas FeSiMn. <i>Cerâmica</i> , 2012, 58, 529-533.	0.8	3
130	INFLUÊNCIA DO Fe(III) NO LIXIVIADO DE REJEITO DE NIQUEL NO PROCESSO DE TROCA-IÔNICA. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2018, 15, 322-326.	0.2	3
131	Viabilidade técnica da fabricação de cimento com mistura de escória de aciaria LD e resíduo de granito. <i>Revista Escola De Minas</i> , 2012, 65, 241-246.	0.1	3
132	Characterization of Wasted LEDs from Tubular Lamps Focused on Recycling Process by Hydrometallurgy. <i>Minerals, Metals and Materials Series</i> , 2020, , 317-325.	0.4	3
133	Properties of a nanobioglass synthesized from rice husk for bone prostheses applications. <i>Materials Chemistry and Physics</i> , 2022, 277, 125517.	4.0	3
134	Kinetic Investigation of Iron Ore Pellets Reduction Produced with Marble Waste as Fluxing Material. <i>Jom</i> , 2022, 74, 439-447.	1.9	3
135	Kinetic Investigation of Self-reducing Briquettes of Electric Arc Furnace Dust Produced with Charcoals. <i>Jom</i> , 2022, 74, 2695-2704.	1.9	3
136	Influence of Temperature, Basicity and Particle Size on MnO Reduction. <i>Materials Transactions</i> , 2011, 52, 1200-1205.	1.2	2
137	Metal Recovery of Discarded Stacks and Batteries, Liquid-Liquid Extraction and Stripping Parameters Effect. <i>Materials Science Forum</i> , 0, 727-728, 486-490.	0.3	2
138	Reduction of electric arc furnace dust pellets by mixture containing hydrogen. <i>REM: International Engineering Journal</i> , 2019, 72, 55-61.	0.4	2
139	Characterization of Printed Circuit Boards of Obsolete (PCBs) Aimed at the Production of Copper Nanoparticles. <i>Minerals, Metals and Materials Series</i> , 2019, , 543-551.	0.4	2
140	Pyrometallurgical Processing. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015, , 81-85.	1.6	2
141	Evaluation of the Occurrence of Fouling and Scaling on the Membrane HDX 200 for the Treatment of the Effluent of Brass Electrodeposition with EDTA as Complexing Agent. <i>Minerals, Metals and Materials Series</i> , 2018, , 395-404.	0.4	2
142	Electrodialysis, electrodialysis reversal and capacitive deionization technologies. , 2022, , 505-539.		2
143	Nanotechnology and recycling, remanufacturing, and reusing battery. , 2022, , 53-78.		2
144	Reduction of Chromium from Al ₂ O ₃ -CaO-SiO ₂ -CrO _x Slags by Carbon Dissolved in Liquid Iron. <i>ISIJ International</i> , 2011, 51, 523-529.	1.4	1

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145	Recycling batteries. , 2012, , 365-384.		1
146	Estudo eletroquímico da recuperação de metais de pilhas e de baterias descartadas após o uso. Revista Escola De Minas, 2012, 65, 335-342.	0.1	1
147	Alternative Method for Materials Separation from Crystalline Silicon Photovoltaic Modules. Minerals, Metals and Materials Series, 2017, , 277-282.	0.4	1
148	Effect of pH and Potential in Chemical Precipitation of Copper by Sodium Dithionite. Minerals, Metals and Materials Series, 2019, , 165-174.	0.4	1
149	Sodium recovery from crystallization waste of <scp>Bayer</scp> liquor in alumina beneficiation. Canadian Journal of Chemical Engineering, 2022, 100, .	1.7	1
150	Characterization of Dust Generated in the BOF Converter. , 0, , 221-227.		1
151	Chemical Reduction of Fe(III) in Nickel Lateritic Wastewater to Recover Metals by Ion Exchange. Minerals, Metals and Materials Series, 2017, , 467-472.	0.4	1
152	EFEITO DO PH NA ADSORÇÃO DE METAIS DE UMA SOLUÇÃO SINTÉTICA UTILIZANDO RESINA QUELANTE DOWEX XUS43605. , 0, , .		1
153	RECUPERAÇÃO DE COBRE DE LIXIVIADO DE REJEITO DE NIQUEL UTILIZANDO RESINA QUELANTE. , 0, , .		1
154	USO DO RESÍDUO DE MÁRMORE E ALUMINATO DE CÁLCIO EM ESCÓRIAS SINTÉTICAS DESSULFURANTES DE AÇO. Tecnologia Em Metalurgia, Materiais E Mineracao, 2015, 12, 188-194.	0.2	1
155	Characterization of PCBs from Obsolete Computers Aiming the Recovery of Precious Metals. Minerals, Metals and Materials Series, 2018, , 147-154.	0.4	1
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