Denise Crocce Romano Espinosa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8310872/publications.pdf

Version: 2024-02-01

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	Copper and zinc adsorption from bacterial biomass - possibility of low-cost industrial wastewater treatment. Environmental Technology (United Kingdom), 2023, 44, 2441-2450.	2.2	5
2	Biodegradation of cyanide using a Bacillus subtilis strain isolated from artisanal gold mining tailings. Brazilian Journal of Chemical Engineering, 2023, 40, 129-136.	1.3	7
3	Adsorption of lanthanum and cerium on chelating ion exchange resins: kinetic and thermodynamic studies. Separation Science and Technology, 2022, 57, 60-69.	2.5	33
4	Sodium recovery from crystallization waste of <scp>Bayer</scp> liquor in alumina beneficiation. Canadian Journal of Chemical Engineering, 2022, 100, .	1.7	1
5	Application of Advanced Oxidation Process Using Ozonation Assisted with Hydrogen Peroxide for Organic Compounds Removal from Bayer Liquor. Ozone: Science and Engineering, 2022, 44, 291-301.	2.5	3
6	Synthesis and characterization of nanozeolite from (agro)industrial waste for application in heterogeneous photocatalysis. Environmental Science and Pollution Research, 2022, 29, 3794-3807.	5.3	28
7	Purification of an iron contaminated vanadium solution through ion exchange resins. Minerals Engineering, 2022, 176, 107337.	4.3	21
8	Silver nanoparticles from residual biomass: Biosynthesis, characterization and antimicrobial activity. Journal of Biotechnology, 2022, 343, 47-51.	3.8	19
9	Green Nanoarchitectonics of Silver Nanoparticles for Antimicrobial Activity Against Resistant Pathogens. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1213-1222.	3.7	13
10	Antibacterial activity of nanozeolite doped with silver and titanium nanoparticles. Journal of Sol-Gel Science and Technology, 2022, 101, 235-243.	2.4	4
11	Properties of a nanobioglass synthesized from rice husk for bone prostheses applications. Materials Chemistry and Physics, 2022, 277, 125517.	4.0	3
12	Leaching of <scp>Ti</scp> and <scp>V</scp> from the nonâ€magnetic fraction of ilmeniteâ€based ore: Kinetic and thermodynamic modelling. Canadian Journal of Chemical Engineering, 2022, 100, 3408-3418.	1.7	4
13	Kinetic Investigation of Iron Ore Pellets Reduction Produced with Marble Waste as Fluxing Material. Jom, 2022, 74, 439-447.	1.9	3
14	Potential Application of Alternative Materials for Organic Pollutant Removal. Water, Air, and Soil Pollution, 2022, 233, 65.	2.4	4
15	Electrodialysis, electrodialysis reversal and capacitive deionization technologies. , 2022, , 505-539.		2
16	Adsorption for rhodamine b dye and biological activity of nano-porous chitosan from shrimp shells. Environmental Science and Pollution Research, 2022, 29, 49858-49869.	5.3	16
17	Effect of Impurities in the Recovery of Critical Metals: The Case of Nickel Laterite in the Solvent Extraction Process. Journal of Sustainable Metallurgy, 2022, 8, 501-510.	2.3	4
18	Kinetic Investigation of Self-reducing Briquettes of Electric Arc Furnace Dust Produced with Charcoals. Jom, 2022, 74, 2695-2704.	1.9	3

#	Article	IF	Citations
19	Preparation and characterization of biochar from cement waste for removal of rhodamine B dye. Journal of Material Cycles and Waste Management, 2022, 24, 1333-1342.	3.0	6
20	Sulfuric acid leaching of metals from waste Li-ion batteries without using reducing agent. Minerals Engineering, 2022, 183, 107597.	4.3	27
21	Promising technologies under development for recycling, remanufacturing, and reusing batteries: an introduction. , 2022, , 79-103.		4
22	Nanotechnology andÂrecycling, remanufacturing, and reusingÂbattery. , 2022, , 53-78.		2
23	Extraction of Rare-Earth Elements from Silicate-Based Ore through Hydrometallurgical Route. Metals, 2022, 12, 1133.	2.3	4
24	The use of computational thermodynamic for yttrium recovery from rare earth elements-bearing residue. Journal of Rare Earths, 2021, 39, 201-207.	4.8	16
25	Iron recovery from zinc mine tailings by magnetic separation followed by carbothermal reduction of selfâ€reducing briquettes. Canadian Journal of Chemical Engineering, 2021, 99, 166-177.	1.7	7
26	Kinetic Study of Manganese Precipitation of Nickel Laterite Leach Based-solution by Ozone Oxidation. Ozone: Science and Engineering, 2021, 43, 324-338.	2.5	10
27	Characterization of Bauxite Residue from a Press Filter System: Comparative Study and Challenges for Scandium Extraction. Mining, Metallurgy and Exploration, 2021, 38, 161-176.	0.8	17
28	Recycling of polymeric composites from industrial waste by pyrolysis: Deep evaluation for carbon fibers reuse. Waste Management, 2021, 120, 1-9.	7.4	49
29	Structure investigation for nickel and cobalt complexes formed during solvent extraction with the extractants Cyanex 272, Versatic 10 and their mixtures. Minerals Engineering, 2021, 160, 106691.	4.3	18
30	Investigation of ion-exchange membranes by means of chronopotentiometry: A comprehensive review on this highly informative and multipurpose technique. Advances in Colloid and Interface Science, 2021, 293, 102439.	14.7	30
31	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
32	Extraction of Scandium from Critical Elements-Bearing Mining Waste: Silica Gel Avoiding in Leaching Reaction of Bauxite Residue. Journal of Sustainable Metallurgy, 2021, 7, 1627-1642.	2.3	17
33	Electric car battery: An overview on global demand, recycling and future approaches towards sustainability. Journal of Environmental Management, 2021, 295, 113091.	7.8	163
34	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
35	Unfolding the Vanadium Redox Flow Batteries: An indeep perspective on its components and current operation challenges. Journal of Energy Storage, 2021, 43, 103180.	8.1	23
36	Electrodialysis for concentrating cobalt, chromium, manganese, and magnesium from a synthetic solution based on a nickel laterite processing route. Separation and Purification Technology, 2021, 275, 119192.	7.9	17

#	Article	IF	Citations
37	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. Separation and Purification Technology, 2021, 279, 119798.	7.9	30
38	Green synthesis, characterization, and application of copper nanoparticles obtained from printed circuit boards to degrade mining surfactant by Fenton process. Journal of Environmental Chemical Engineering, 2021, 9, 106576.	6.7	24
39	Recovering metals from motherboard and memory board waste through sulfuric leaching. Journal of Environmental Chemical Engineering, 2021, 9, 106789.	6.7	11
40	Synthesis of Ag nanoparticles from waste printed circuit board. Journal of Environmental Chemical Engineering, 2021, 9, 106845.	6.7	13
41	Cobalt Recovery from Li-Ion Battery Recycling: A Critical Review. Metals, 2021, 11, 1999.	2.3	37
42	Effect of iron oxidation state for copper recovery from nickel laterite leach solution using chelating resin. Separation Science and Technology, 2020, 55, 788-798.	2.5	28
43	Copper recovery from nickel laterite with highâ€iron content: A continuous process from mining waste. Canadian Journal of Chemical Engineering, 2020, 98, 957-968.	1.7	23
44	Kinetic and thermodynamic study of magnesium obtaining as sulfate monohydrate from nickel laterite leach waste by crystallization. Journal of Cleaner Production, 2020, 272, 122735.	9.3	9
45	Achievements in electrodialysis processes for wastewater and water treatment. , 2020, , 127-160.		4
46	A three-stage chemical cleaning of ion-exchange membranes used in the treatment by electrodialysis of wastewaters generated in brass electroplating industries. Desalination, 2020, 492, 114628.	8.2	29
47	Kinetic investigation of self-reduction basic oxygen furnace dust briquettes using charcoals from different biomass. Journal of Materials Research and Technology, 2020, 9, 13282-13293.	5.8	9
48	Comparative study of selective copper recovery techniques from nickel laterite leach waste towards a competitive sustainable extractive process. Cleaner Engineering and Technology, 2020, 1, 100031.	4.0	13
49	Chronopotentiometric study on the simultaneous transport of EDTA ionic species and hydroxyl ions through an anion-exchange membrane for electrodialysis applications. Journal of Electroanalytical Chemistry, 2020, 879, 114782.	3.8	17
50	Investigation of mercury cyanide adsorption from synthetic wastewater aqueous solution on granular activated carbon. Journal of Water Process Engineering, 2020, 34, 101154.	5.6	30
51	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
52	Degradation of surfactant used in iron mining by oxidation technique: Fenton, photoâ€Fenton, and H₂O₂/UVâ€”A comparative study. Canadian Journal of Chemical Engineering, 2020, 98, 1069-1083.	1.7	11
53	Evaluation of brass electrodeposition at RDE from cyanide-free bath using EDTA as a complexing agent. Journal of Electroanalytical Chemistry, 2020, 865, 114129.	3.8	18
54	Treatment of Cyanide-Free Wastewater from Brass Electrodeposition with EDTA by Electrodialysis: Evaluation of Underlimiting and Overlimiting Operations. Membranes, 2020, 10, 69.	3.0	19

#	Article	IF	Citations
55	Gravity Separation of Zinc Mine Tailing Using Wilfley Shaking Table to Concentrate Hematite. Minerals, Metals and Materials Series, 2020, , 347-355.	0.4	3
56	Characterization of Wasted LEDs from Tubular Lamps Focused on Recycling Process by Hydrometallurgy. Minerals, Metals and Materials Series, 2020, , 317-325.	0.4	3
57	Study of pH Influence in the Synthesis of Copper Nanoparticles Using Ascorbic Acid as Reducing and Stabilizing Agent. Minerals, Metals and Materials Series, 2020, , 1547-1557.	0.4	0
58	ElaboraciÃ³n de escorias sintÃ©ticas con residuos de mÃ¡rmol y Ã³xido de aluminio utilizados en el proceso de desulfuraciÃ³n de acero. Revista De Metalurgia, 2020, 56, 174.	0.5	1
59	Reduction of electric arc furnace dust pellets by mixture containing hydrogen. REM: International Engineering Journal, 2019, 72, 55-61.	0.4	2
60	Recycling batteries. , 2019, , 371-391.		9
61	Recovery of metals by ion exchange process using chelating resin and sodium dithionite. Journal of Materials Research and Technology, 2019, 8, 4464-4469.	5.8	30
62	Bioleaching of metal from waste stream using a native strain ofAcidithiobacillusisolated from a coal mine drainage. Canadian Journal of Chemical Engineering, 2019, 97, 2920-2927.	1.7	9
63	Selecting chemicals for separation of ABS and HIPS in WEEE by froth flotation. Polimeros, 2019, 29, .	0.7	7
64	Study of metal electrodeposition by means of simulated and experimental polarization curves: Zinc deposition on steel electrodes. Electrochimica Acta, 2019, 309, 86-103.	5.2	19
65	Copper Recovery from Printed Circuit Boards from Smartphones Through Bioleaching. Minerals, Metals and Materials Series, 2019, , 837-844.	0.4	6
66	Scandium Extraction from Nickel Processing Waste Using Cyanex 923 in Sulfuric Medium. Jom, 2019, 71, 2003-2009.	1.9	19
67	Resource Recovery From E-waste for Environmental Sustainability: A Case Study in Brazil. , 2019, , 175-200.		3
68	Effect of pH and Potential in Chemical Precipitation of Copper by Sodium Dithionite. Minerals, Metals and Materials Series, 2019, , 165-174.	0.4	1
69	Recovery of Scandium by Leaching Process from Brazilian Red Mud. Minerals, Metals and Materials Series, 2019, , 73-79.	0.4	7
70	Determination of Limiting Current Density, Plateau Length, and Ohmic Resistance of a Heterogeneous Membrane for the Treatment of Industrial Wastewaters with Copper Ions in Acid Media. Minerals, Metals and Materials Series, 2019, , 157-164.	0.4	0
71	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 Â°C in air. Journal of Materials Research and Technology, 2019, 8, 1636-1644.	5.8	10
72	Characterization of Printed Circuit Boards of Obsolete (PCBs) Aimed at the Production of Copper Nanoparticles. Minerals, Metals and Materials Series, 2019, , 543-551.	0.4	2

#	Article	IF	Citations
73	Synthesis of zeolite A using the waste of iron mine tailings dam and its application for industrial effluent treatment. Journal of Sustainable Mining, 2019, , .	0.2	7
74	A Review of Nickel, Copper, and Cobalt Recovery by Chelating Ion Exchange Resins from Mining Processes and Mining Tailings. Mining, Metallurgy and Exploration, 2019, 36, 199-213.	0.8	44
75	Self-assembly of supramolecular structure based on copper-lipopeptides isolated from e-waste bioleaching liquor. Journal of Hazardous Materials, 2019, 368, 63-71.	12.4	11
76	Recovery of nickel and cobalt from nickel laterite leach solution using chelating resins and preâ€•reducing process. Canadian Journal of Chemical Engineering, 2019, 97, 1181-1190.	1.7	26
77	Nucleation and growth of graphite particles in ductile cast iron. Journal of Alloys and Compounds, 2019, 775, 1230-1234.	5.5	26
78	Recovery of Cu(II) from nickel laterite leach using prereduction and chelating resin extraction: Batch and continuous experiments. Canadian Journal of Chemical Engineering, 2019, 97, 924-929.	1.7	20
79	EFFECT OF pH TO RECOVER Cu(II), Ni(II) AND Co(II) FROM NICKEL LATERITE LEACH USING CHELATING RESINS. Tecnologia Em Metalurgia, Materiais E Mineracao, 2019, 16, 135-140.	0.2	6
80	Effect of Contact Time on the Recovery of Metals from the Mining Effluent of Lateritic Nickel by Chelating Resin Dowex XUS43605. Minerals, Metals and Materials Series, 2019, , 383-389.	0.4	0
81	Isolation of Cyanide-Degrading Bacteria from Cassava-Processing Effluent. Minerals, Metals and Materials Series, 2019, , 153-161.	0.4	1
82	Study of Mechanisms of Cobalt Electrodeposition by Means of Potentiodynamic Polarization Curves. Minerals, Metals and Materials Series, 2019, , 967-976.	0.4	0
83	Water reclamation and chemicals recovery from a novel cyanide-free copper plating bath using electrodialysis membrane process. Desalination, 2018, 436, 114-124.	8.2	28
84	Recovery of Copper from Nickel Laterite Leach Waste by Chemical Reduction Using Sodium Dithionite. Minerals, Metals and Materials Series, 2018, , 429-434.	0.4	3
85	Bacterial Degradation of Free Cyanide in Alkaline Medium Using Bacillus Licheniformis Strain. Minerals, Metals and Materials Series, 2018, , 367-373.	0.4	0
86	High Temperature Crystallization Kinetics of MgSO4ÂÂ·ÂH2O. Minerals, Metals and Materials Series, 2018, , 405-413.	0.4	0
87	Chronopotentiometry of an anion-exchange membrane for treating a synthesized free-cyanide effluent from brass electrodeposition with EDTA as chelating agent. Separation and Purification Technology, 2018, 201, 244-255.	7.9	20
88	Evaluation of the effect of the solution concentration and membrane morphology on the transport properties of Cu(II) through two monopolar cationâ€“exchange membranes. Separation and Purification Technology, 2018, 193, 184-192.	7.9	22
89	Characterization of mineral wools obtained from ornamental rock wastes. REM: International Engineering Journal, 2018, 71, 425-429.	0.4	3
90	SEPARATION OF COPPER FROM A LEACHING SOLUTION OF PRINTED CIRCUIT BOARDS BY USING SOLVENT EXTRACTION WITH D2EHPA. Brazilian Journal of Chemical Engineering, 2018, 35, 919-930.	1.3	41

#	Article	IF	Citations
91	Pre-Reducing Process Kinetics to Recover Metals from Nickel Leach Waste Using Chelating Resins. International Journal of Chemical Engineering, 2018, 2018, 1-7.	2.4	19
92	STUDY OF THE REDUCTION PROCESS OF IRON IN LEACHATE FROM NICKEL MINING WASTE. Brazilian Journal of Chemical Engineering, 2018, 35, 1241-1248.	1.3	16
93	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. Minerals, Metals and Materials Series, 2018, , 395-404.	0.4	2
94	INFLUÃŠNCIA DO Fe(III) NO LIXIVIADO DE REJEITO DE NÃQUEL NO PROCESSO DE TROCA-IÃ”NICA. Tecnologia Em Metalurgia, Materiais E Mineracao, 2018, 15, 322-326.	0.2	3
95	Characterization of PCBs from Obsolete Computers Aiming the Recovery of Precious Metals. Minerals, Metals and Materials Series, 2018, , 147-154.	0.4	1
96	Determination of Limiting Current Density of a Solution with Copper, Zinc and EDTA from the Effluent of Brass Electrodeposition. Minerals, Metals and Materials Series, 2018, , 375-383.	0.4	1
97	Leaching of Indium from ITO Present in Amorphous Silicon Photovoltaic Modules. Minerals, Metals and Materials Series, 2018, , 495-500.	0.4	0
98	Effect of the pH on the Recovery of Al3+, Co2+, Cr3+, Cu2+, Fe3+, Mg2+, Mn2+, Ni2+ and Zn2+ by Purolite S950. Minerals, Metals and Materials Series, 2018, , 385-393.	0.4	0
99	Bioleaching of electronic waste using bacteria isolated from the marine sponge Hymeniacidon heliophila (Porifera). Journal of Hazardous Materials, 2017, 329, 120-130.	12.4	45
100	Permselectivity Study of Ion-Exchange Membranes in the Presence of Cu-HEDP Complexes from a Copper Plating Wastewater Treatment. Minerals, Metals and Materials Series, 2017, , 549-554.	0.4	0
101	Bioleaching Process for Metal Recovery from Waste Materials. Minerals, Metals and Materials Series, 2017, , 283-290.	0.4	6
102	E-waste: An overview on generation, collection, legislation and recycling practices. Resources, Conservation and Recycling, 2017, 122, 32-42.	10.8	570
103	Alternative Method for Materials Separation from Crystalline Silicon Photovoltaic Modules. Minerals, Metals and Materials Series, 2017, , 277-282.	0.4	1
104	Evaluation of the transport properties of copper ions through a heterogeneous ion-exchange membrane in etidronic acid solutions by chronopotentiometry. Journal of Membrane Science, 2017, 535, 268-278.	8.2	20
105	A review of cleaner production in electroplating industries using electrodialysis. Journal of Cleaner Production, 2017, 168, 1590-1602.	9.3	124
106	Kinetic investigation of synthetic zinc ferrite reduction by hydrogen. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1215-1223.	3.6	12
107	E-waste management and sustainability: a case study in Brazil. Environmental Science and Pollution Research, 2017, 24, 25221-25232.	5.3	31
108	Development of Synthetic Slag with Marble Waste and Calcium Aluminate Agents for Cast Iron Desulfurization. Materials Research, 2017, 20, 1230-1237.	1.3	5

#	Article	IF	Citations
109	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
110	Effect of Flow Rate on Metals Adsorption of Synthetic Solution Using Chelating Resin Dowex XUS43605 in Column Experiments. Minerals, Metals and Materials Series, 2017, , 483-491.	0.4	0
111	BATTERY RECYCLING: EFFECT OF CURRENT DENSITY ON MANGANESE RECOVERY THROUGH ELECTROLYTIC PROCESS. Brazilian Journal of Chemical Engineering, 2016, 33, 271-277.	1.3	4
112	Reduction of electric arc furnace dust pellets by simulated reformed natural gas. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1889-1897.	3.6	19
113	Use of Computational Thermodynamics in the Analysis of Hot Metal Desulphurization with Slags Based on Marble Waste and Sodalite. Materials Transactions, 2016, 57, 1332-1338.	1.2	3
114	Synthetic zinc ferrite reduction by means of mixtures containing hydrogen and carbon monoxide. Journal of Thermal Analysis and Calorimetry, 2016, 123, 631-641.	3.6	23
115	Precipitation of Metals from Liquor Obtained in Nickel Mining. , 2016, , 333-338.		6
116	Recovery of Steelmaking Slag and Granite Waste in the Production of Rock Wool. Materials Research, 2015, 18, 204-211.	1.3	13
117	CURRENT-VOLTAGE CURVES FOR TREATING EFFLUENT CONTAINING HEDP: DETERMINATION OF THE LIMITING CURRENT. Brazilian Journal of Chemical Engineering, 2015, 32, 831-836.	1.3	18
118	Leaching Processes. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 39-59.	1.6	0
119	Treatment of wastewaters from cyanide-free plating process by electrodialysis. Journal of Cleaner Production, 2015, 91, 241-250.	9.3	42
120	Batteries. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 129-158.	1.6	0
121	Application of stepwise isothermal analysis method in the kinetic study of reduction of basic oxygen furnace dust. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1913-1919.	3.6	9
122	Printed circuit board recycling: Physical processing and copper extraction by selective leaching. Waste Management, 2015, 46, 503-510.	7.4	153
123	Iron recovery from the waste generated during the cutting of granite. International Journal of Environmental Science and Technology, 2015, 12, 465-472.	3.5	7
124	Pyrometallurgical Processing. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 81-85.	1.6	2
125	USO DO RESÃDUO DE MÃRMORE E ALUMINATO DE CÃŁCIO EM ESCÃ“RIAS SINTÃ‰TICAS DESSULFURANTES DE AÃ‡O. Tecnologia Em Metalurgia, Materiais E Mineracao, 2015, 12, 188-194.	0.2	1
126	Making iron aluminides out of scrap. Journal of Materials Research and Technology, 2014, 3, 101-106.	5.8	11

#	Article	IF	Citations
127	Zn and Fe Recovery from Electric Arc Furnace Dusts. Materials Transactions, 2014, 55, 351-356.	1.2	17
128	Analysis of pig iron desulfurization with mixtures from the CaO-Fluorspar and CaO-Sodalite system with the use of computational thermodynamics. Revista Escola De Minas, 2013, 66, 461-465.	0.1	9
129	Bioextraction of Copper from Printed Circuit Boards: Influence of Initial Concentration of Ferrous Iron. , 2013, , 354-360.		0
130	Recycling of Electric Arc Furnace Dust by Adding to Hot Metal. Materials Science Forum, 2012, 727-728, 1740-1745.	0.3	0
131	Recycling batteries. , 2012, , 365-384.		1
132	Use of Chlorine to Remove Magnesium from Molten Aluminum. Materials Transactions, 2012, 53, 477-482.	1.2	4
133	Estudo eletroquÃmico da recuperaÃ§Ã£o de metais de pilhas e de baterias descartadas apÃ³s o uso. Revista Escola De Minas, 2012, 65, 335-342.	0.1	1
134	FabricaÃ§Ã£o de lÃ£ de rocha a partir da escÃ³ria da produÃ§Ã£o de ligas FeSiMn. Ceramica, 2012, 58, 529-533.	0.8	3
135	Viabilidade tÃ©cnica da fabricaÃ§Ã£o de cimento com mistura de escÃ³ria de aciaria LD e resÃduo de granito. Revista Escola De Minas, 2012, 65, 241-246.	0.1	3
136	Recycling of WEEE: Characterization of spent printed circuit boards from mobile phones and computers. Waste Management, 2011, 31, 2553-2558.	7.4	321
137	Reduction of Chromium from Al2O3â€“CaOâ€“SiO2â€“CrOX Slags by Carbon Dissolved in Liquid Iron. ISIJ International, 2011, 51, 523-529.	1.4	1
138	BiossorÃ§Ã£o de metais presentes na DAM utilizando Rhodococcus opacus. Revista Escola De Minas, 2011, 64, 487-492.	0.1	7
139	BiolixiviaÃ§Ã£o de cobre de sucata eletrÃ´nica. Revista Escola De Minas, 2011, 64, 327-333.	0.1	3
140	Influence of Temperature, Basiscity and Particle Size on MnO Reduction. Materials Transactions, 2011, 52, 1200-1205.	1.2	2
141	Metal separation from mixed types of batteries using selective precipitation and liquidâ€“liquid extraction techniques. Waste Management, 2011, 31, 59-64.	7.4	153
142	Briquetagem da granalha de aÃ§o recuperada do resÃduo de rochas ornamentais. Revista Escola De Minas, 2011, 64, 175-179.	0.1	0
143	CaracterizaÃ§Ã£o e aplicaÃ§Ã£o dos resÃduos sÃ³lidos gerados na fabricaÃ§Ã£o de precipitado de carbonato de cÃ¡lcio como corretivo da acidez do solo. Revista Escola De Minas, 2010, 63, 271-277.	0.1	0
144	Electronic scraps â€“ Recovering of valuable materials from parallel wire cables. Waste Management, 2008, 28, 2177-2182.	7.4	34

#	Article	IF	Citations
145	Applications of the Rietveld method to quantify the crystalline phases of Portland cement clinker doped with nickel and chromium. Powder Diffraction, 2008, 23, S42-S45.	0.2	3
146	Reciclagem de fios e cabos elÃ©tricos - cabo paralelo. Revista Escola De Minas, 2008, 61, 391-396.	0.1	0
147	Efeito da incorporaÃ§Ã£o de lodo de ETA contendo alto teor de ferro em cerÃ¢mica argilosa. Ceramica, 2008, 54, 63-76.	0.8	14
148	CCT diagrams of tricalcium silicate. Materials Research Bulletin, 2007, 42, 1099-1103.	5.2	3
149	Removal of Iron from Molten Recycled Aluminum through Intermediate Phase Filtration. Materials Transactions, 2006, 47, 1731-1736.	1.2	66
150	Recycling of nickelâ€“cadmium batteries using coal as reducing agent. Journal of Power Sources, 2006, 157, 600-604.	7.8	40
151	Recycling of nickelâ€“cadmium batteriesâ€”Thermogravimetric behavior of electrodes. Journal of Power Sources, 2006, 160, 744-751.	7.8	6
152	CCT diagrams of tricalcium silicate. Materials Research Bulletin, 2005, 40, 433-438.	5.2	7
153	Evaluation of the incorporation ratio of ZnO, PbO and CdO into cement clinker. Journal of Hazardous Materials, 2004, 112, 71-78.	12.4	34
154	Recycling of batteries: a review of current processes and technologies. Journal of Power Sources, 2004, 130, 291-298.	7.8	475
155	Brazilian policy on battery disposal and its practical effects on battery recycling. Journal of Power Sources, 2004, 137, 134-139.	7.8	34
156	Fundamental aspects of recycling of nickelâ€“cadmium batteries through vacuum distillation. Journal of Power Sources, 2004, 135, 320-326.	7.8	27
157	An overview on the current processes for the recycling of batteries. Journal of Power Sources, 2004, 135, 311-319.	7.8	234
158	Use of nitrogen in the recycling of nickel cadmium batteries. Journal of Power Sources, 2004, 136, 186-190.	7.8	12
159	Effect of Cr2O3 and NiO additions on the phase transformations at high temperature in Portland cement. Cement and Concrete Research, 2004, 34, 1795-1801.	11.0	21
160	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
161	Determination of Cu and Ni incorporation ratios in Portland cement clinker. Waste Management, 2003, 23, 281-285.	7.4	43
162	DecomposiÃ§Ã£o da fase majoritÃ¡ria do cimento Portland - Parte I: Alita Pura. Revista Escola De Minas, 2003, 56, 87-90.	0.1	3

#	Article	IF	Citations
163	DecomposiÃ§Ã£o da fase majoritÃ¡ria do cimento Portland - Parte II: alita com adiÃ§Ãµes de Fe e Al. Revista Escola De Minas, 2003, 56, 113-117.	0.1	3
164	Effect of salt/oxide interaction on the process of aluminum recycling. Journal of Light Metals, 2002, 2, 89-93.	0.8	65
165	Recovery of Ni-based alloys from spent NiMH batteries. Journal of Power Sources, 2002, 108, 70-73.	7.8	61
166	Chloride influence on the incorporation of Cr2O3 and NiO in clinker: a laboratory evaluation. Journal of Hazardous Materials, 2002, 93, 221-232.	12.4	10
167	Recycling of aluminum â€“ effect of fluoride additions on the salt viscosity and on the alumina dissolution. Journal of Light Metals, 2001, 1, 195-198.	0.8	19
168	Thermal behavior of chromium electroplating sludge. Waste Management, 2001, 21, 405-410.	7.4	40
169	Treatment of chromium plating process effluents with ion exchange resins. Waste Management, 2001, 21, 637-642.	7.4	85
170	Laboratory study of galvanic sludgeâ€™s influence on the clinkerization process. Resources, Conservation and Recycling, 2000, 31, 71-82.	10.8	44
171	High-Temperature Oxidation of Alâ€“Mg Alloys. Oxidation of Metals, 2000, 53, 361-373.	2.1	52
172	Metal Recovery of Discarded Stacks and Batteries, Liquid-Liquid Extraction and Stripping Parameters Effect. Materials Science Forum, 0, 727-728, 486-490.	0.3	2
173	Evaluation of the Addition of Electric Arc Furnace Dust in Hot Metal Changind the Type of the Crucible. Materials Science Forum, 0, 798-799, 594-598.	0.3	0
174	Characterization of Dust Generated in the BOF Converter. , 0, , 221-227.		1
175	EFEITO DO PH NA ADSORÃ‡ÃƒO DE METAIS DE UMA SOLUÃ‡ÃƒO SINTÃ‰TICA UTILIZANDO RESINA QUELANTE DOWEX XUS43605. , 0, , .		1
176	RECUPERAÃ‡ÃƒO DE COBRE DE LIXIVIADO DE REJEITO DE NÃQUEL UTILIZANDO RESINA QUELANTE. , 0, , .		1
177	Salvinia sp Applied to AMD Treatment: Equilibrium Time and Biomass Characterization. , 0, , 443-450.		0
178	PROCESSAMENTO MECÃ‚NICO DAS PLACAS MÃƒES DE COMPUTADORES. , 0, , .		0
179	CARACTERIZAÃ‡ÃƒO DE PLACA DE CIRCUITO IMPRESSO PROVENIENTE DE COMPUTADORES OBSOLETOS VISANDO PROCESSAMENTO BIOHIDROMETALÃšRGICO. , 0, , .		0