Carlito Baltazar Tabelin

List of Publications by Year
in descending order

155 papers	6,114 citations	61857 43 h-index	88477 70 g-index
157 all docs	157 docs citations	157 times ranked	2469 citing authors

#	Article	IF	Citations
1	A review of recent strategies for acid mine drainage prevention and mine tailings recycling. Chemosphere, 2019, 219, 588-606.	4.2	429
2	Arsenic, selenium, boron, lead, cadmium, copper, and zinc in naturally contaminated rocks: A review of their sources, modes of enrichment, mechanisms of release, and mitigation strategies. Science of the Total Environment, 2018, 645, 1522-1553.	3.9	321
3	Towards a low-carbon society: A review of lithium resource availability, challenges and innovations in mining, extraction and recycling, and future perspectives. Minerals Engineering, 2021, 163, 106743.	1.8	179
4	Enhancement of chalcopyrite leaching by ferrous ions in acidic ferric sulfate solutions. Hydrometallurgy, 2001, 60, 185-197.	1.8	170
5	Acid mine drainage formation and arsenic mobility under strongly acidic conditions: Importance of soluble phases, iron oxyhydroxides/oxides and nature of oxidation layer on pyrite. Journal of Hazardous Materials, 2020, 399, 122844.	6.5	163
6	A model for ferrous-promoted chalcopyrite leaching. Hydrometallurgy, 2000, 57, 31-38.	1.8	151
7	Copper and critical metals production from porphyry ores and E-wastes: A review of resource availability, processing/recycling challenges, socio-environmental aspects, and sustainability issues. Resources, Conservation and Recycling, 2021, 170, 105610.	5.3	144
8	A new reaction model for the catalytic effect of silver ions on chalcopyrite leaching in sulfuric acid solutions. Hydrometallurgy, 2002, 63, 257-267.	1.8	125
9	Pyrite oxidation in the presence of hematite and alumina: I. Batch leaching experiments and kinetic modeling calculations. Science of the Total Environment, 2017, 580, 687-698.	3.9	115
10	The two-step neutralization ferrite-formation process for sustainable acid mine drainage treatment: Removal of copper, zinc and arsenic, and the influence of coexisting ions on ferritization. Science of the Total Environment, 2020, 715, 136877.	3.9	115
11	Mechanisms of arsenic and lead release from hydrothermally altered rock. Journal of Hazardous Materials, 2009, 169, 980-990.	6.5	112
12	Synergistic effect of cupric and ferrous ions on active-passive behavior in anodic dissolution of chalcopyrite in sulfuric acid solutions. Hydrometallurgy, 2004, 74, 103-116.	1.8	108
13	A case of ferrous sulfate addition enhancing chalcopyrite leaching. Hydrometallurgy, 1997, 47, 37-45.	1.8	101
14	Leaching of boron, arsenic and selenium from sedimentary rocks: II. pH dependence, speciation and mechanisms of release. Science of the Total Environment, 2014, 473-474, 244-253.	3.9	89
15	Simultaneous leaching of arsenite, arsenate, selenite and selenate, and their migration in tunnel-excavated sedimentary rocks: I. Column experiments under intermittent and unsaturated flow. Chemosphere, 2017, 186, 558-569.	4.2	86
16	Solid-phase partitioning and release-retention mechanisms of copper, lead, zinc and arsenic in soils impacted by artisanal and small-scale gold mining (ASGM) activities. Chemosphere, 2020, 260, 127574.	4.2	86
17	Acid mine drainage sources and hydrogeochemistry at the Yatani mine, Yamagata, Japan: A geochemical and isotopic study. Journal of Contaminant Hydrology, 2019, 225, 103502.	1.6	81
18	Hematite-catalysed scorodite formation as a novel arsenic immobilisation strategy under ambient conditions. Chemosphere, 2019, 233, 946-953.	4.2	79

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19	Combined neutralizationâ€“adsorption system for the disposal of hydrothermally altered excavated rock producing acidic leachate with hazardous elements. Engineering Geology, 2012, 139-140, 76-84.	2.9	78
20	Short and long term release mechanisms of arsenic, selenium and boron from a tunnel-excavated sedimentary rock under in situ conditions. Journal of Contaminant Hydrology, 2015, 175-176, 60-71.	1.6	78
21	Effect of solution composition on the optimum redox potential for chalcopyrite leaching in sulfuric acid solutions. Hydrometallurgy, 2008, 91, 144-149.	1.8	77
22	Leaching of boron, arsenic and selenium from sedimentary rocks: I. Effects of contact time, mixing speed and liquid-to-solid ratio. Science of the Total Environment, 2014, 472, 620-629.	3.9	74
23	Pyrite oxidation in the presence of hematite and alumina: II. Effects on the cathodic and anodic half-cell reactions. Science of the Total Environment, 2017, 581-582, 126-135.	3.9	72
24	Simultaneous suppression of acid mine drainage formation and arsenic release by Carrier-microencapsulation using aluminum-catecholate complexes. Chemosphere, 2018, 205, 414-425.	4.2	72
25	The roles of pyrite and calcite in the mobilization of arsenic and lead from hydrothermally altered rocks excavated in Hokkaido, Japan. Journal of Geochemical Exploration, 2012, 119-120, 17-31.	1.5	70
26	Gold recovery from shredder light fraction of E-waste recycling plant by flotation-ammonium thiosulfate leaching. Waste Management, 2018, 77, 195-202.	3.7	70
27	The solid-phase partitioning of arsenic in unconsolidated sediments of the Mekong Delta, Vietnam and its modes of release under various conditions. Chemosphere, 2019, 233, 512-523.	4.2	70
28	Suppression of the release of arsenic from arsenopyrite by carrier-microencapsulation using Ti-catechol complex. Journal of Hazardous Materials, 2018, 344, 322-332.	6.5	65
29	Effect of chloride ions on leaching rate of chalcopyrite. Minerals Engineering, 2010, 23, 471-477.	1.8	62
30	Ammonium thiosulfate extraction of gold from printed circuit boards (PCBs) of end-of-life mobile phones and its recovery from pregnant leach solution by cementation. Hydrometallurgy, 2020, 191, 105214.	1.8	62
31	Simultaneous leaching of arsenite, arsenate, selenite and selenate, and their migration in tunnel-excavated sedimentary rocks: II. Kinetic and reactive transport modeling. Chemosphere, 2017, 188, 444-454.	4.2	60
32	Suppressive effects of ferric-catecholate complexes on pyrite oxidation. Chemosphere, 2019, 214, 70-78.	4.2	59
33	Depression of lead-activated sphalerite by pyrite via galvanic interactions: Implications to the selective flotation of complex sulfide ores. Minerals Engineering, 2020, 152, 106367.	1.8	59
34	Mobilization and speciation of arsenic from hydrothermally altered rock in laboratory column experiments under ambient conditions. Applied Geochemistry, 2012, 27, 326-342.	1.4	57
35	Characterization and evaluation of arsenic and boron adsorption onto natural geologic materials, and their application in the disposal of excavated altered rock. Geoderma, 2014, 213, 163-172.	2.3	52
36	Utilization of natural and artificial adsorbents in the mitigation of arsenic leached from hydrothermally altered rock. Engineering Geology, 2013, 156, 58-67.	2.9	50

#	Article	IF	Citations
37	Carrier-microencapsulation of arsenopyrite using Al-catecholate complex: nature of oxidation products, effects on anodic and cathodic reactions, and coating stability under simulated weathering conditions. Heliyon, 2020, 6, e03189.	1.4	50
38	Groundwater monitoring of an open-pit limestone quarry: Water-rock interaction and mixing estimation within the rock layers by geochemical and statistical analyses. International Journal of Mining Science and Technology, 2018, 28, 849-857.	4.6	49
39	A physical separation scheme to improve ammonium thiosulfate leaching of gold by separation of base metals in crushed mobile phones. Minerals Engineering, 2019, 138, 168-177.	1.8	49
40	Detoxification of lead-bearing zinc plant leach residues from Kabwe, Zambia by coupled extraction-cementation method. Journal of Environmental Chemical Engineering, 2020, 8, 104197.	3.3	49
41	Synthesis and characterization of coal fly ash and palm oil fuel ash modified artisanal and small-scale gold mine (ASGM) tailings based geopolymer using sugar mill lime sludge as Ca-based activator. Heliyon, 2021, 7, e06654.	1.4	49
42	Interference of coexisting copper and aluminum on the ammonium thiosulfate leaching of gold from printed circuit boards of waste mobile phones. Waste Management, 2018, 81, 148-156.	3.7	48
43	Removal of Arsenic, Boron, and Selenium from Excavated Rocks by Consecutive Washing. Water, Air, and Soil Pollution, 2012, 223, 4153-4167.	1.1	47
44	Modeling of the groundwater flow system in excavated areas of an abandoned mine. Journal of Contaminant Hydrology, 2020, 230, 103617.	1.6	46
45	Recovery of Lead and Zinc from Zinc Plant Leach Residues by Concurrent Dissolution-Cementation Using Zero-Valent Aluminum in Chloride Medium. Metals, 2020, 10, 531.	1.0	43
46	Galvanic Microencapsulation (GME) Using Zero-Valent Aluminum and Zero-Valent Iron to Suppress Pyrite Oxidation. Materials Transactions, 2019, 60, 277-286.	0.4	42
47	Enhanced cementation of gold via galvanic interactions using activated carbon and zero-valent aluminum: A novel approach to recover gold ions from ammonium thiosulfate medium. Hydrometallurgy, 2020, 191, 105165.	1.8	42
48	Subcritical crack growth in rocks in an aqueous environment. Exploration Geophysics, 2009, 40, 163-171.	0.5	41
49	The Effect of Grinding and Roasting Conditions on the Selective Leaching of Nd and Dy from NdFeB Magnet Scraps. Metals, 2015, 5, 1306-1314.	1.0	39
50	Improvement of jig efficiency by shape separation, and a novel method to estimate the separation efficiency of metal wires in crushed electronic wastes using bending behavior and â€œentanglement factorâ€• Minerals Engineering, 2018, 129, 54-62.	1.8	39
51	Carrier-microencapsulation for preventing pyrite oxidation. International Journal of Mineral Processing, 2007, 83, 116-124.	2.6	38
52	Potential utilization of artisanal gold-mine tailings as geopolymeric source material: preliminary investigation. SN Applied Sciences, 2019, 1, 1.	1.5	38
53	Suppression of arsenopyrite oxidation by microencapsulation using ferric-catecholate complexes and phosphate. Chemosphere, 2021, 269, 129413.	4.2	38
54	Factors affecting arsenic mobility from hydrothermally altered rock in impoundment-type in situ experiments. Minerals Engineering, 2010, 23, 238-248.	1.8	37

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55	Mobilization and speciation of arsenic from hydrothermally altered rock containing calcite and pyrite under anoxic conditions. Applied Geochemistry, 2012, 27, 2300-2314.	1.4	37
56	Suppression of pyrite oxidation by ferric-catecholate complexes: An electrochemical study. Minerals Engineering, 2019, 138, 226-237.	1.8	36
57	Jig separation of plastics from scrapped copy machines. International Journal of Mineral Processing, 2005, 76, 67-74.	2.6	35
58	A Review of Recent Advances in Depression Techniques for Flotation Separation of Cuâ€“Mo Sulfides in Porphyry Copper Deposits. Metals, 2020, 10, 1269.	1.0	34
59	Development of a New Gravity Separator for Plastics —a Hybrid-Jig—. Materials Transactions, 2009, 50, 2844-2847.	0.4	31
60	Repurposing of nickeliferous pyrrhotite from mine tailings as magnetic adsorbent for the recovery of gold from chloride solution. Resources, Conservation and Recycling, 2020, 161, 104971.	5.3	31
61	Study on schwertmannite production from copper heap leach solutions and its efficiency in arsenic removal from acidic sulfate solutions. Hydrometallurgy, 2014, 147-148, 30-40.	1.8	30
62	Effects of cement addition on arsenic leaching from soils excavated from projects employing shield-tunneling method. Geoderma, 2021, 385, 114896.	2.3	28
63	Enhanced pyrite passivation by carrier-microencapsulation using Fe-catechol and Ti-catechol complexes. Journal of Hazardous Materials, 2021, 416, 126089.	6.5	28
64	Inhibitory effect of iron-oxidizing bacteria on ferrous-promoted chalcopyrite leaching. , 1999, 64, 478-483.		27
65	Solid-phase partitioning of mercury in artisanal gold mine tailings from selected key areas in Mindanao, Philippines, and its implications for mercury detoxification. Waste Management and Research, 2018, 36, 269-276.	2.2	27
66	Improvement of flotation and suppression of pyrite oxidation using phosphate-enhanced galvanic microencapsulation (GME) in a ball mill with steel ball media. Minerals Engineering, 2019, 143, 105931.	1.8	27
67	Assessment of soil, sediment and water contaminations around open-pit coal mines in Moatize, Tete province, Mozambique. Environmental Advances, 2022, 8, 100215.	2.2	27
68	Optimum water pulsation of jig separation for crushed plastic particles. International Journal of Mineral Processing, 2009, 92, 103-108.	2.6	26
69	Recovery and immobilization of lead in cathode ray tube funnel glass by a combination of reductive and oxidative melting processes. Journal of the Society for Information Display, 2012, 20, 508-516.	0.8	26
70	Leaching of hazardous elements from Mozambican coal and coal ash. Journal of African Earth Sciences, 2020, 168, 103861.	0.9	26
71	Agglomeration-Flotation of Finely Ground Chalcopyrite and Quartz: Effects of Agitation Strength during Agglomeration Using Emulsified Oil on Chalcopyrite. Minerals (Basel, Switzerland), 2020, 10, 380.	0.8	26
72	On the Use of Magnetite for Gold Recovery From Chloride Solution. Mineral Processing and Extractive Metallurgy Review, 2010, 31, 201-213.	2.6	25

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73	Geochemical audit of a historical tailings storage facility in Japan: Acid mine drainage formation, zinc migration and mitigation strategies. Journal of Hazardous Materials, 2022, 438, 129453.	6.5	25
74	Geo-Accumulation Index of Manganese in Soils Due to Flooding in Boac and Mogpog Rivers, Marinduque, Philippines with Mining Disaster Exposure. Applied Sciences (Switzerland), 2022, 12, 3527.	1.3	24
75	Suppression of Pyrite Oxidation by Carrier Microencapsulation Using Silicon and Catechol. Mineral Processing and Extractive Metallurgy Review, 2012, 33, 89-98.	2.6	23
76	Development of suitable product recovery systems of continuous hybrid jig for plastic-plastic separation. Minerals Engineering, 2019, 141, 105839.	1.8	23
77	Reverse jig separation of shredded floating plastics â€" separation of polypropylene and high density polyethylene. International Journal of Mineral Processing, 2010, 97, 96-99.	2.6	22
78	Leaching of Copper from Cuprous Oxide in Aerated Sulfuric Acid. Materials Transactions, 2017, 58, 1500-1504.	0.4	22
79	Agglomerationâ€"Flotation of Finely Ground Chalcopyrite Using Emulsified Oil Stabilized by Emulsifiers: Implications for Porphyry Copper Ore Flotation. Metals, 2020, 10, 912.	1.0	22
80	Improvement of hybrid jig separation efficiency using wetting agents for the recycling of mixed-plastic wastes. Journal of Material Cycles and Waste Management, 2019, 21, 1376-1383.	1.6	21
81	Evaluation of Maghemite-Rich Iron Oxide Composite Prepared from Magnetite as Adsorbent for Gold from Chloride Solution. Jom, 2019, 71, 4639-4646.	0.9	21
82	Cementation of Co ion in leach solution using Zn powder followed by magnetic separation of cementation-precipitate for recovery of unreacted Zn powder. Minerals Engineering, 2020, 145, 106061.	1.8	21
83	Redox potential-dependent chalcopyrite leaching in acidic ferric chloride solutions: Leaching experiments. Hydrometallurgy, 2020, 194, 105299.	1.8	21
84	Kinetic Analysis for Agglomeration-Flotation of Finely Ground Chalcopyrite: Comparison of First Order Kinetic Model and Experimental Results. Materials Transactions, 2020, 61, 1940-1948.	0.4	21
85	Carrier-microencapsulation using Siâ€"catechol complex for suppressing pyrite floatability. Minerals Engineering, 2008, 21, 889-893.	1.8	20
86	Effects of coarse chalcopyrite on flotation behavior of fine chalcopyrite. Minerals Engineering, 2021, 163, 106776.	1.8	20
87	Repurposing of aluminum scrap into magnetic Al0/ZVI bimetallic materials: Two-stage mechanical-chemical synthesis and characterization of products. Journal of Cleaner Production, 2021, 317, 128285.	4.6	20
88	Beneficiation of Low-Grade Rare Earth Ore from Khalzan Buregtei Deposit (Mongolia) by Magnetic Separation. Minerals (Basel, Switzerland), 2021, 11, 1432.	0.8	20
89	Geological and geochemical characterizations of sediments in six borehole cores from the arsenic-contaminated aquifer of the Mekong Delta, Vietnam. Data in Brief, 2019, 25, 104230.	0.5	19
90	Jig separation of crushed plastics: the effects of particle geometry on separation efficiency. Journal of Material Cycles and Waste Management, 2020, 22, 787-800.	1.6	19

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91	Agglomeration-flotation of finely ground chalcopyrite using surfactant-stabilized oil emulsions: Effects of co-existing minerals and ions. Minerals Engineering, 2021, 171, 107076.	1.8	19
92	A novel arsenic immobilization strategy via a two-step process: Arsenic concentration from dilute solution using schwertmannite and immobilization in Caâ€“Feâ€“AsO4 compounds. Journal of Environmental Management, 2021, 295, 113052.	3.8	19
93	Spatial distribution of agricultural yields with elevated metal concentration of the island exposed to acid mine drainage. Journal of Degraded and Mining Lands Management, 2021, 8, 2551-2558.	0.2	19
94	Enhanced cementation of Cd2+, Co2+, Ni2+, and Zn2+ on Al from sulfate solutions by activated carbon addition. Hydrometallurgy, 2021, 201, 105580.	1.8	18
95	Recovery of heavy metals from MSW molten fly ash by carrier-in-pulp method: Fe powder as carrier. Minerals Engineering, 2008, 21, 1094-1101.	1.8	17
96	Stability of As(V)-sorbed schwertmannite under porphyry copper mine conditions. Minerals Engineering, 2015, 74, 51-59.	1.8	17
97	Estimation of hybrid jig separation efficiency using a modified concentration criterion based on apparent densities of plastic particles with attached bubbles. Journal of Material Cycles and Waste Management, 2020, 22, 2071-2080.	1.6	17
98	The effects of temperature and agitation speed on the leaching behaviors of tin and bismuth from spent lead free solder in nitric acid leach solution. Geosystem Engineering, 2015, 18, 213-218.	0.7	16
99	A Study on the Utilization of Magnetite for the Recovery of Platinum Group Metals from Chloride Solution. Mineral Processing and Extractive Metallurgy Review, 2016, 37, 246-254.	2.6	16
100	Performance Evaluation of Fe-Al Bimetallic Particles for the Removal of Potentially Toxic Elements from Combined Acid Mine Drainage-Effluents from Refractory Gold Ore Processing. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		16
101	Suppression of floatability of pyrite in coal processing by carrier microencapsulation. Fuel Processing Technology, 2011, 92, 1032-1036.	3.7	15
102	Groundwater monitoring of an open-pit limestone quarry: groundwater characteristics, evolution and their connections to rock slopes. Environmental Monitoring and Assessment, 2018, 190, 193.	1.3	15
103	Improved pyrolysis behavior of ammonium polyphosphate-melamine-expandable (APP-MEL-EG) intumescent fire retardant coating system using ceria and dolomite as additives for I-beam steel application. Heliyon, 2020, 6, e03119.	1.4	15
104	A simple and efficient recovery technique for gold ions from ammonium thiosulfate medium by galvanic interactions of zero-valent aluminum and activated carbon: A parametric and mechanistic study of cementation. Hydrometallurgy, 2022, 208, 105815.	1.8	15
105	In Situ Measurements of Domestic Water Quality and Health Risks by Elevated Concentration of Heavy Metals and Metalloids Using Monte Carlo and MLGI Methods. Toxics, 2022, 10, 342.	1.6	15
106	Prediction of acid mine drainage formation and zinc migration in the tailings dam of a closed mine, and possible countermeasures. MATEC Web of Conferences, 2019, 268, 06003.	0.1	14
107	Recovery of Rare Earth Metals (REMs) from Nickel Metal Hydride Batteries of Electric Vehicles. Minerals (Basel, Switzerland), 2022, 12, 34.	0.8	14
108	Removal of lead compounds from polyvinylchloride in electric wires and cables using cation-exchange resin. Journal of Hazardous Materials, 2011, 191, 388-392.	6.5	13

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109	Flotation Separation of Chalcopyrite and Molybdenite Assisted by Microencapsulation Using Ferrous and Phosphate Ions: Part I. Selective Coating Formation. Metals, 2020, 10, 1667.	1.0	13
110	Improvement of Copper Metal Leaching in Sulfuric Acid Solution by Simultaneous Use of Oxygen and Cupric Ions. Metals, 2020, 10, 721.	1.0	13
111	Flotation of Seafloor Massive Sulfide Ores: Combination of Surface Cleaning and Deactivation of Lead-Activated Sphalerite to Improve the Separation Efficiency of Chalcopyrite and Sphalerite. Metals, 2021, 11, 253.	1.0	12
112	Newly developed discharge device for jig separation of plastics to recover higher grade bottom layer product. International Journal of Mineral Processing, 2012, 114-117, 27-29.	2.6	11
113	Simultaneous extraction and recovery of lead using citrate and micro-scale zero-valent iron for decontamination of polluted shooting range soils. Environmental Advances, 2021, 5, 100115.	2.2	11
114	Effects of Environmental Factors on the Leaching and Immobilization Behavior of Arsenic from Mudstone by Laboratory and In Situ Column Experiments. Minerals (Basel, Switzerland), 2021, 11, 1220.	0.8	11
115	Development of Hydrometallurgical Process for Recovery of Rare Earth Metals (Nd, Pr, and Dy) from Nd-Fe-B Magnets. Metals, 2021, 11, 1987.	1.0	11
116	The Effect of Mn²⁺ Concentration on Mn Removal by a Sulfate Reducing Bacteria Bioreactor. Materials Transactions, 2004, 45, 2429-2434.	0.4	10
117	Fundamental Study on the Removal of Mn²⁺ in Acid Mine Drainage using Sulfate Reducing Bacteria. Materials Transactions, 2004, 45, 2422-2428.	0.4	10
118	Electrochemical Investigation of Gold Uptake From Chloride Solution by Magnetite. Mineral Processing and Extractive Metallurgy Review, 2015, 36, 332-339.	2.6	10
119	Flotation Separation of Chalcopyrite and Molybdenite Assisted by Microencapsulation Using Ferrous and Phosphate Ions: Part II. Flotation. Metals, 2021, 11, 439.	1.0	10
120	The Effects of Coexisting Copper, Iron, Cobalt, Nickel, and Zinc Ions on Gold Recovery by Enhanced Cementation via Galvanic Interactions between Zero-Valent Aluminum and Activated Carbon in Ammonium Thiosulfate Systems. Metals, 2021, 11, 1352.	1.0	10
121	Hydrochloric Acid Leaching of Philippine Coal Fly Ash: Investigation and Optimisation of Leaching Parameters by Response Surface Methodology (RSM). Sustainable Chemistry, 2022, 3, 76-90.	2.2	10
122	The Separation of Aluminum and Stainless-Steel Scraps Using Vibrating Mixed-Size Ball Bed. Metals, 2020, 10, 868.	1.0	9
123	Development of a restraining wall and screw-extractor discharge system for continuous jig separation of mixed plastics. Minerals Engineering, 2021, 168, 106918.	1.8	9
124	The Recovery of Electrode Compounds from Waste Nickel Metal Hydride Batteries by Physical Separation Techniques. Materials Transactions, 2007, 48, 1089-1094.	0.4	8
125	Enhanced Cementation of Co2+ and Ni2+ from Sulfate and Chloride Solutions Using Aluminum as an Electron Donor and Conductive Particles as an Electron Pathway. Metals, 2021, 11, 248.	1.0	8
126	Development of the reverse hybrid jig: Separation of polyethylene and cross-linked polyethylene from eco-cable wire. Minerals Engineering, 2021, 174, 107241.	1.8	8

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127	Acid Mine Drainage Treatment Using a Process Train with Laterite Mine Waste, Concrete Waste, and Limestone as Treatment Media. Water (Switzerland), 2022, 14, 1070.	1.2	8
128	Effect of Jarosite on the Removal of Arsenic ions in Sulfuric Acid Solution. Shigen-to-Sozai, 2005, 121, 597-602.	0.1	7
129	Dispersion-Flocculation Behavior of Fine Lead Particles in an Organic Solvent. Materials Transactions, 2008, 49, 2119-2123.	0.4	7
130	Ferrous Promoted Chalcopyrite Leaching. Ferric formation and its effects on the leaching.. Shigen-to-Sozai, 1998, 114, 795-800.	0.1	7
131	A Method to Characterized Flotation Performance of Fine Coal and Estimate its Liberation.. Shigen-to-Sozai, 1998, 114, 421-425.	0.1	6
132	Addition of Fe3O4 as electron mediator for enhanced cementation of Cd2+ and Zn2+ on aluminum powder from sulfate solutions and magnetic separation to concentrate cemented metals from cementation products. Journal of Environmental Chemical Engineering, 2021, 9, 106699.	3.3	6
133	A Kinetic Study on Enhanced Cementation of Gold Ions by Galvanic Interactions between Aluminum (Al) as an Electron Donor and Activated Carbon (AC) as an Electron Mediator in Ammonium Thiosulfate System. Minerals (Basel, Switzerland), 2022, 12, 91.	0.8	6
134	Removal of Trace Impurity from Limestone Using Flotation Techniques. Materials Transactions, 2009, 50, 171-176.	0.4	5
135	Alkaline Leaching and Concurrent Cementation of Dissolved Pb and Zn from Zinc Plant Leach Residues. Minerals (Basel, Switzerland), 2022, 12, 393.	0.8	5
136	Chemical Forms of Arsenic and Selenium Leached from Mudstones. Procedia Earth and Planetary Science, 2013, 6, 105-113.	0.6	4
137	Lead generation and separation mechanisms from lead silicate glass by reduction-melting. Journal of the Ceramic Society of Japan, 2018, 126, 595-601.	0.5	4
138	Metal Recovery from Printed Circuit Boards Using CRT Glass by Reduction Melting. , 2019, , 185-197.		4
139	Hydrochloric Acid Leaching Behaviors of Copper and Antimony in Speiss Obtained from Top Submerged Lance Furnace. Metals, 2020, 10, 1393.	1.0	4
140	Effects of Several Inhibitors to Thiobacillus ferrooxidans on Ferrous Promoted Chalcopyrite Leaching.. Shigen-to-Sozai, 1999, 115, 172-176.	0.1	4
141	Development of Ceramic Tiles from Philippine Nickel Laterite Mine Waste by Ceramic Casting Method. Minerals (Basel, Switzerland), 2022, 12, 579.	0.8	4
142	Immersion Behavior of Automobile Shredded Residue in Surfactant Solutions and Detachment of Particulate Matter. Materials Transactions, 2008, 49, 2371-2376.	0.4	3
143	Effect of water addition on centrifugal treatment to remove lead compounds from polyvinylchloride in electric wires and cables. Separation and Purification Technology, 2012, 89, 94-97.	3.9	3
144	Evaluation of entanglement properties of crushed automobile shredded residue and detachment of entrapped particles. Journal of Material Cycles and Waste Management, 2011, 13, 156-163.	1.6	2

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145	Carrier-microencapsulation using Al-catecholate complex to suppress arsenopyrite oxidation: Evaluation of the coating stability under simulated weathering conditions. MATEC Web of Conferences, 2019, 268, 06002.	0.1	2
146	Behaviors of Cyanide Leaching of Gold in Tailings and Adsorption of Gold Ions on Activated Carbon. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2018, 55, 414-420.	0.1	2
147	Assessment of the Adsorption Capacity of Cadmium and Arsenic onto Paper Mill Sludge Using Batch Experiment. Journal of Soil and Groundwater Environment, 2014, 19, 46-53.	0.1	2
148	Advances in Selective Flotation and Leaching Process in Metallurgy. Metals, 2022, 12, 144.	1.0	2
149	CeO2-dolomite as fire retardant additives on the conventional intumescent coating in steel substrate for improved performance. MATEC Web of Conferences, 2019, 268, 04009.	0.1	1
150	Formation of surface protective coatings on arsenopyrite using Al-catecholate complex and its mode of inhibition of arsenopyrite oxidation. MATEC Web of Conferences, 2019, 268, 06015.	0.1	1
151	Editorial for Special Issue â€œNovel and Emerging Strategies for Sustainable Mine Tailings and Acid Mine Drainage Managementâ€• Minerals (Basel, Switzerland), 2021, 11, 902.	0.8	1
152	Basic Study on Separation of Pyrite from Coal by Flotation Using Ferric Solution. Shigen-to-Sozai, 1999, 115, 737-742.	0.1	1
153	Leaching and Adsorption Behavior of Arsenic and Selenium from Excavated Mudstones Considering Their Chemical Species. Journal of MMIJ, 2020, 136, 64-76.	0.4	1
154	Batch Studies On Arsenic Adsorption Onto Lignite, Bentonite, Shale And Iron Sand: Effects Of Ph, Time, Particle Size And Sulfate Concentration. Journal of Southeast Asian Applied Geology, 2015, 4, .	0.1	0
155	Metal Recovery and Pb Removal by Melting Mixture of Lead Glass and Printed Circuit Board. Journal of MMIJ, 2020, 136, 25-32.	0.4	0