

Carlito Baltazar Tabelin

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

150
papers

4,019
citations

36
h-index

57
g-index

157
ext. papers

5,095
ext. citations

4.5
avg, IF

6.13
L-index

#	Paper	IF	Citations
150	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. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 91	2.4	0
149	Hydrochloric Acid Leaching of Philippine Coal Fly Ash: Investigation and Optimisation of Leaching Parameters by Response Surface Methodology (RSM). <i>Sustainable Chemistry</i> , 2022 , 3, 76-91	3.6	2
148	Recovery of Rare Earth Metals (REMs) from Nickel Metal Hydride Batteries of Electric Vehicles. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 34	2.4	1
147	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. <i>Hydrometallurgy</i> , 2022 , 208, 105815	4	3
146	Geo-Accumulation Index of Manganese in Soils Due to Flooding in Boac and Mogpog Rivers, Marinduque, Philippines with Mining Disaster Exposure. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3527	2.6	1
145	Acid Mine Drainage Treatment Using a Process Train with Laterite Mine Waste, Concrete Waste, and Limestone as Treatment Media. <i>Water (Switzerland)</i> , 2022 , 14, 1070	3	0
144	Alkaline Leaching and Concurrent Cementation of Dissolved Pb and Zn from Zinc Plant Leach Residues. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 393	2.4	0
143	Assessment of soil, sediment and water contaminations around open-pit coal mines in Moatize, Tete province, Mozambique. <i>Environmental Advances</i> , 2022 , 8, 100215	3.5	0
142	Development of Ceramic Tiles from Philippine Nickel Laterite Mine Waste by Ceramic Casting Method. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 579	2.4	2
141	Development of Hydrometallurgical Process for Recovery of Rare Earth Metals (Nd, Pr, and Dy) from Nd-Fe-B Magnets. <i>Metals</i> , 2021 , 11, 1987	2.3	4
140	Beneficiation of Low-Grade Rare Earth Ore from Khalzan Buregtei Deposit (Mongolia) by Magnetic Separation. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1432	2.4	7
139	Spatial distribution of agricultural yields with elevated metal concentration of the island exposed to acid mine drainage. <i>Journal of Degraded and Mining Lands Management</i> , 2021 , 8, 2551-2558	1.3	8
138	Effects of Environmental Factors on the Leaching and Immobilization Behavior of Arsenic from Mudstone by Laboratory and In Situ Column Experiments. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1220	2.4	1
137	Development of the reverse hybrid jig: Separation of polyethylene and cross-linked polyethylene from eco-cable wire. <i>Minerals Engineering</i> , 2021 , 174, 107241	4.9	0
136	Addition of Fe ₃ O ₄ as electron mediator for enhanced cementation of Cd ²⁺ and Zn ²⁺ on aluminum powder from sulfate solutions and magnetic separation to concentrate cemented metals from cementation products. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106699	6.8	2
135	Effects of coarse chalcopyrite on flotation behavior of fine chalcopyrite. <i>Minerals Engineering</i> , 2021 , 163, 106776	4.9	9
134	Flotation Separation of Chalcopyrite and Molybdenite Assisted by Microencapsulation Using Ferrous and Phosphate Ions: Part II. Flotation. <i>Metals</i> , 2021 , 11, 439	2.3	5

133	Effects of cement addition on arsenic leaching from soils excavated from projects employing shield-tunneling method. <i>Geoderma</i> , 2021 , 385, 114896	6.7	15
132	Towards a low-carbon society: A review of lithium resource availability, challenges and innovations in mining, extraction and recycling, and future perspectives. <i>Minerals Engineering</i> , 2021 , 163, 106743	4.9	41
131	Suppression of arsenopyrite oxidation by microencapsulation using ferric-catecholate complexes and phosphate. <i>Chemosphere</i> , 2021 , 269, 129413	8.4	18
130	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. <i>Heliyon</i> , 2021 , 7, e06654	3.6	16
129	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. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 590	2.4	5
128	Enhanced cementation of Cd ²⁺ , Co ²⁺ , Ni ²⁺ , and Zn ²⁺ on Al from sulfate solutions by activated carbon addition. <i>Hydrometallurgy</i> , 2021 , 201, 105580	4	7
127	Development of a restraining wall and screw-extractor discharge system for continuous jig separation of mixed plastics. <i>Minerals Engineering</i> , 2021 , 168, 106918	4.9	4
126	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. <i>Metals</i> , 2021 , 11, 253	2.3	7
125	Enhanced Cementation of Co ²⁺ and Ni ²⁺ from Sulfate and Chloride Solutions Using Aluminum as an Electron Donor and Conductive Particles as an Electron Pathway. <i>Metals</i> , 2021 , 11, 248	2.3	2
124	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. <i>Resources, Conservation and Recycling</i> , 2021 , 170, 105610	11.9	52
123	Enhanced pyrite passivation by carrier-microencapsulation using Fe-catechol and Ti-catechol complexes. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126089	12.8	10
122	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. <i>Metals</i> , 2021 , 11, 1352	2.3	2
121	Agglomeration-flotation of finely ground chalcopyrite using surfactant-stabilized oil emulsions: Effects of co-existing minerals and ions. <i>Minerals Engineering</i> , 2021 , 171, 107076	4.9	6
120	A novel arsenic immobilization strategy via a two-step process: Arsenic concentration from dilute solution using schwertmannite and immobilization in Ca-Fe-AsO compounds. <i>Journal of Environmental Management</i> , 2021 , 295, 113052	7.9	4
119	Repurposing of aluminum scrap into magnetic Al ₀ /ZVI bimetallic materials: Two-stage mechanical-chemical synthesis and characterization of products. <i>Journal of Cleaner Production</i> , 2021 , 317, 128285	10.3	6
118	Simultaneous extraction and recovery of lead using citrate and micro-scale zero-valent iron for decontamination of polluted shooting range soils. <i>Environmental Advances</i> , 2021 , 5, 100115	3.5	4
117	Hydrochloric Acid Leaching Behaviors of Copper and Antimony in Speiss Obtained from Top Submerged Lance Furnace. <i>Metals</i> , 2020 , 10, 1393	2.3	2
116	Leaching of hazardous elements from Mozambican coal and coal ash. <i>Journal of African Earth Sciences</i> , 2020 , 168, 103861	2.2	13

115	Repurposing of nickeliferous pyrrhotite from mine tailings as magnetic adsorbent for the recovery of gold from chloride solution. <i>Resources, Conservation and Recycling</i> , 2020 , 161, 104971	11.9	16
114	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. <i>Journal of Hazardous Materials</i> , 2020 , 399, 122844	12.8	73
113	Redox potential-dependent chalcopyrite leaching in acidic ferric chloride solutions: Leaching experiments. <i>Hydrometallurgy</i> , 2020 , 194, 105299	4	13
112	Detoxification of lead-bearing zinc plant leach residues from Kabwe, Zambia by coupled extraction-cementation method. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104197	6.8	30
111	Improvement of Copper Metal Leaching in Sulfuric Acid Solution by Simultaneous Use of Oxygen and Cupric Ions. <i>Metals</i> , 2020 , 10, 721	2.3	8
110	Modeling of the groundwater flow system in excavated areas of an abandoned mine. <i>Journal of Contaminant Hydrology</i> , 2020 , 230, 103617	3.9	33
109	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. <i>Heliyon</i> , 2020 , 6, e03189	3.6	31
108	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. <i>Science of the Total Environment</i> , 2020 , 715, 136877	10.2	73
107	Recovery of Lead and Zinc from Zinc Plant Leach Residues by Concurrent Dissolution-Cementation Using Zero-Valent Aluminum in Chloride Medium. <i>Metals</i> , 2020 , 10, 531	2.3	30
106	Agglomeration-Flotation of Finely Ground Chalcopyrite and Quartz: Effects of Agitation Strength during Agglomeration Using Emulsified Oil on Chalcopyrite. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 380	2.4	13
105	Depression of lead-activated sphalerite by pyrite via galvanic interactions: Implications to the selective flotation of complex sulfide ores. <i>Minerals Engineering</i> , 2020 , 152, 106367	4.9	32
104	Metal Recovery and Pb Removal by Melting Mixture of Lead Glass and Printed Circuit Board. <i>Journal of MMIJ</i> , 2020 , 136, 25-32	0.3	
103	Kinetic Analysis for Agglomeration-Flotation of Finely Ground Chalcopyrite: Comparison of First Order Kinetic Model and Experimental Results. <i>Materials Transactions</i> , 2020 , 61, 1940-1948	1.3	9
102	Leaching and Adsorption Behavior of Arsenic and Selenium from Excavated Mudstones Considering Their Chemical Species. <i>Journal of MMIJ</i> , 2020 , 136, 64-76	0.3	1
101	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. <i>Heliyon</i> , 2020 , 6, e03119	3.6	7
100	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. <i>Hydrometallurgy</i> , 2020 , 191, 105214	4	31
99	Jig separation of crushed plastics: the effects of particle geometry on separation efficiency. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 787-800	3.4	12
98	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. <i>Hydrometallurgy</i> , 2020 , 191, 105165	4	27

97	A Review of Recent Advances in Depression Techniques for Flotation Separation of Cu ^{Mo} Sulfides in Porphyry Copper Deposits. <i>Metals</i> , 2020 , 10, 1269	2.3	20
96	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. <i>Chemosphere</i> , 2020 , 260, 127574	8.4	48
95	Estimation of hybrid jig separation efficiency using a modified concentration criterion based on apparent densities of plastic particles with attached bubbles. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 2071-2080	3.4	10
94	The Separation of Aluminum and Stainless-Steel Scraps Using Vibrating Mixed-Size Ball Bed. <i>Metals</i> , 2020 , 10, 868	2.3	8
93	Agglomeration/Flotation of Finely Ground Chalcopyrite Using Emulsified Oil Stabilized by Emulsifiers: Implications for Porphyry Copper Ore Flotation. <i>Metals</i> , 2020 , 10, 912	2.3	11
92	Flotation Separation of Chalcopyrite and Molybdenite Assisted by Microencapsulation Using Ferrous and Phosphate Ions: Part I. Selective Coating Formation. <i>Metals</i> , 2020 , 10, 1667	2.3	8
91	Cementation of Co ion in leach solution using Zn powder followed by magnetic separation of cementation-precipitate for recovery of unreacted Zn powder. <i>Minerals Engineering</i> , 2020 , 145, 106061	4.9	16
90	Improvement of hybrid jig separation efficiency using wetting agents for the recycling of mixed-plastic wastes. <i>Journal of Material Cycles and Waste Management</i> , 2019 , 21, 1376-1383	3.4	14
89	Carrier-microencapsulation using Al-catechol complex to suppress arsenopyrite oxidation: Evaluation of the coating stability under simulated weathering conditions. <i>MATEC Web of Conferences</i> , 2019 , 268, 06002	0.3	2
88	Development of suitable product recovery systems of continuous hybrid jig for plastic-plastic separation. <i>Minerals Engineering</i> , 2019 , 141, 105839	4.9	11
87	Evaluation of Maghemite-Rich Iron Oxide Composite Prepared from Magnetite as Adsorbent for Gold from Chloride Solution. <i>Jom</i> , 2019 , 71, 4639-4646	2.1	14
86	Suppression of pyrite oxidation by ferric-catechol complexes: An electrochemical study. <i>Minerals Engineering</i> , 2019 , 138, 226-237	4.9	30
85	The solid-phase partitioning of arsenic in unconsolidated sediments of the Mekong Delta, Vietnam and its modes of release under various conditions. <i>Chemosphere</i> , 2019 , 233, 512-523	8.4	43
84	Hematite-catalysed scorodite formation as a novel arsenic immobilisation strategy under ambient conditions. <i>Chemosphere</i> , 2019 , 233, 946-953	8.4	48
83	A physical separation scheme to improve ammonium thiosulfate leaching of gold by separation of base metals in crushed mobile phones. <i>Minerals Engineering</i> , 2019 , 138, 168-177	4.9	36
82	Acid mine drainage sources and hydrogeochemistry at the Yatani mine, Yamagata, Japan: A geochemical and isotopic study. <i>Journal of Contaminant Hydrology</i> , 2019 , 225, 103502	3.9	55
81	CeO ₂ -dolomite as fire retardant additives on the conventional intumescent coating in steel substrate for improved performance. <i>MATEC Web of Conferences</i> , 2019 , 268, 04009	0.3	1
80	Prediction of acid mine drainage formation and zinc migration in the tailings dam of a closed mine, and possible countermeasures. <i>MATEC Web of Conferences</i> , 2019 , 268, 06003	0.3	10

79	Formation of surface protective coatings on arsenopyrite using Al-catecholate complex and its mode of inhibition of arsenopyrite oxidation. <i>MATEC Web of Conferences</i> , 2019 , 268, 06015	0.3	1
78	Geological and geochemical characterizations of sediments in six borehole cores from the arsenic-contaminated aquifer of the Mekong Delta, Vietnam. <i>Data in Brief</i> , 2019 , 25, 104230	1.2	13
77	Improvement of flotation and suppression of pyrite oxidation using phosphate-enhanced galvanic microencapsulation (GME) in a ball mill with steel ball media. <i>Minerals Engineering</i> , 2019 , 143, 105931	4.9	19
76	Potential utilization of artisanal gold-mine tailings as geopolymeric source material: preliminary investigation. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	23
75	Galvanic Microencapsulation (GME) Using Zero-Valent Aluminum and Zero-Valent Iron to Suppress Pyrite Oxidation. <i>Materials Transactions</i> , 2019 , 60, 277-286	1.3	30
74	Metal Recovery from Printed Circuit Boards Using CRT Glass by Reduction Melting 2019 , 185-197		2
73	A review of recent strategies for acid mine drainage prevention and mine tailings recycling. <i>Chemosphere</i> , 2019 , 219, 588-606	8.4	238
72	Suppressive effects of ferric-catecholate complexes on pyrite oxidation. <i>Chemosphere</i> , 2019 , 214, 70-78	8.4	48
71	Groundwater monitoring of an open-pit limestone quarry: Water-rock interaction and mixing estimation within the rock layers by geochemical and statistical analyses. <i>International Journal of Mining Science and Technology</i> , 2018 , 28, 849-857	7.1	30
70	Solid-phase partitioning of mercury in artisanal gold mine tailings from selected key areas in Mindanao, Philippines, and its implications for mercury detoxification. <i>Waste Management and Research</i> , 2018 , 36, 269-276	4	19
69	Groundwater monitoring of an open-pit limestone quarry: groundwater characteristics, evolution and their connections to rock slopes. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 193	3.1	13
68	Suppression of the release of arsenic from arsenopyrite by carrier-microencapsulation using Ti-catechol complex. <i>Journal of Hazardous Materials</i> , 2018 , 344, 322-332	12.8	50
67	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. <i>Science of the Total Environment</i> , 2018 , 645, 1522-1553	10.2	191
66	Simultaneous suppression of acid mine drainage formation and arsenic release by Carrier-microencapsulation using aluminum-catecholate complexes. <i>Chemosphere</i> , 2018 , 205, 414-425	8.4	60
65	Behaviors of Cyanide Leaching of Gold in Tailings and Adsorption of Gold Ions on Activated Carbon. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2018 , 55, 414-420	0.2	2
64	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 Entanglement factor <i>Minerals Engineering</i> , 2018 , 129, 54-62	4.9	31
63	Interference of coexisting copper and aluminum on the ammonium thiosulfate leaching of gold from printed circuit boards of waste mobile phones. <i>Waste Management</i> , 2018 , 81, 148-156	8.6	34
62	Lead generation and separation mechanisms from lead silicate glass by reduction-melting. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 595-601	1	2

61	Gold recovery from shredder light fraction of E-waste recycling plant by flotation-ammonium thiosulfate leaching. <i>Waste Management</i> , 2018 , 77, 195-202	8.6	47
60	Pyrite oxidation in the presence of hematite and alumina: II. Effects on the cathodic and anodic half-cell reactions. <i>Science of the Total Environment</i> , 2017 , 581-582, 126-135	10.2	59
59	Pyrite oxidation in the presence of hematite and alumina: I. Batch leaching experiments and kinetic modeling calculations. <i>Science of the Total Environment</i> , 2017 , 580, 687-698	10.2	82
58	Simultaneous leaching of arsenite, arsenate, selenite and selenate, and their migration in tunnel-excavated sedimentary rocks: II. Kinetic and reactive transport modeling. <i>Chemosphere</i> , 2017 , 188, 444-454	8.4	49
57	Simultaneous leaching of arsenite, arsenate, selenite and selenate, and their migration in tunnel-excavated sedimentary rocks: I. Column experiments under intermittent and unsaturated flow. <i>Chemosphere</i> , 2017 , 186, 558-569	8.4	66
56	Leaching of Copper from Cuprous Oxide in Aerated Sulfuric Acid. <i>Materials Transactions</i> , 2017 , 58, 1500-1504		16
55	A Study on the Utilization of Magnetite for the Recovery of Platinum Group Metals from Chloride Solution. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016 , 37, 246-254	3.1	14
54	The Effect of Grinding and Roasting Conditions on the Selective Leaching of Nd and Dy from NdFeB Magnet Scraps. <i>Metals</i> , 2015 , 5, 1306-1314	2.3	24
53	Electrochemical Investigation of Gold Uptake From Chloride Solution by Magnetite. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2015 , 36, 332-339	3.1	10
52	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. <i>Geosystem Engineering</i> , 2015 , 18, 213-218	1.2	14
51	Stability of As(V)-sorbed schwertmannite under porphyry copper mine conditions. <i>Minerals Engineering</i> , 2015 , 74, 51-59	4.9	15
50	Short and long term release mechanisms of arsenic, selenium and boron from a tunnel-excavated sedimentary rock under in situ conditions. <i>Journal of Contaminant Hydrology</i> , 2015 , 175-176, 60-71	3.9	61
49	Leaching of boron, arsenic and selenium from sedimentary rocks: I. Effects of contact time, mixing speed and liquid-to-solid ratio. <i>Science of the Total Environment</i> , 2014 , 472, 620-9	10.2	62
48	Leaching of boron, arsenic and selenium from sedimentary rocks: II. pH dependence, speciation and mechanisms of release. <i>Science of the Total Environment</i> , 2014 , 473-474, 244-53	10.2	73
47	Characterization and evaluation of arsenic and boron adsorption onto natural geologic materials, and their application in the disposal of excavated altered rock. <i>Geoderma</i> , 2014 , 213, 163-172	6.7	38
46	Study on schwertmannite production from copper heap leach solutions and its efficiency in arsenic removal from acidic sulfate solutions. <i>Hydrometallurgy</i> , 2014 , 147-148, 30-40	4	26
45	Assessment of the Adsorption Capacity of Cadmium and Arsenic onto Paper Mill Sludge Using Batch Experiment. <i>Journal of Soil and Groundwater Environment</i> , 2014 , 19, 46-53		2
44	Chemical Forms of Arsenic and Selenium Leached from Mudstones. <i>Procedia Earth and Planetary Science</i> , 2013 , 6, 105-113		4

43	Utilization of natural and artificial adsorbents in the mitigation of arsenic leached from hydrothermally altered rock. <i>Engineering Geology</i> , 2013 , 156, 58-67	6	40
42	Combined neutralization-adsorption system for the disposal of hydrothermally altered excavated rock producing acidic leachate with hazardous elements. <i>Engineering Geology</i> , 2012 , 139-140, 76-84	6	61
41	Effect of water addition on centrifugal treatment to remove lead compounds from polyvinylchloride in electric wires and cables. <i>Separation and Purification Technology</i> , 2012 , 89, 94-97	8.3	3
40	The roles of pyrite and calcite in the mobilization of arsenic and lead from hydrothermally altered rocks excavated in Hokkaido, Japan. <i>Journal of Geochemical Exploration</i> , 2012 , 119-120, 17-31	3.8	57
39	Recovery and immobilization of lead in cathode ray tube funnel glass by a combination of reductive and oxidative melting processes. <i>Journal of the Society for Information Display</i> , 2012 , 20, 508-516	2.1	24
38	Removal of Arsenic, Boron, and Selenium from Excavated Rocks by Consecutive Washing. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 4153-4167	2.6	41
37	Newly developed discharge device for jig separation of plastics to recover higher grade bottom layer product. <i>International Journal of Mineral Processing</i> , 2012 , 114-117, 27-29		9
36	Mobilization and speciation of arsenic from hydrothermally altered rock in laboratory column experiments under ambient conditions. <i>Applied Geochemistry</i> , 2012 , 27, 326-342	3.5	49
35	Suppression of Pyrite Oxidation by Carrier Microencapsulation Using Silicon and Catechol. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2012 , 33, 89-98	3.1	18
34	Mobilization and speciation of arsenic from hydrothermally altered rock containing calcite and pyrite under anoxic conditions. <i>Applied Geochemistry</i> , 2012 , 27, 2300-2314	3.5	29
33	Evaluation of entanglement properties of crushed automobile shredded residue and detachment of entrapped particles. <i>Journal of Material Cycles and Waste Management</i> , 2011 , 13, 156-163	3.4	1
32	Suppression of floatability of pyrite in coal processing by carrier microencapsulation. <i>Fuel Processing Technology</i> , 2011 , 92, 1032-1036	7.2	11
31	Removal of lead compounds from polyvinylchloride in electric wires and cables using cation-exchange resin. <i>Journal of Hazardous Materials</i> , 2011 , 191, 388-92	12.8	10
30	On the Use of Magnetite for Gold Recovery From Chloride Solution. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2010 , 31, 201-213	3.1	20
29	Reverse jig separation of shredded floating plastics Separation of polypropylene and high density polyethylene. <i>International Journal of Mineral Processing</i> , 2010 , 97, 96-99		18
28	Factors affecting arsenic mobility from hydrothermally altered rock in impoundment-type in situ experiments. <i>Minerals Engineering</i> , 2010 , 23, 238-248	4.9	32
27	Effect of chloride ions on leaching rate of chalcopyrite. <i>Minerals Engineering</i> , 2010 , 23, 471-477	4.9	48
26	Subcritical crack growth in rocks in an aqueous environmentView all notes. <i>Exploration Geophysics</i> , 2009 , 40, 163-171	1	37

25	Optimum water pulsation of jig separation for crushed plastic particles. <i>International Journal of Mineral Processing</i> , 2009 , 92, 103-108		18
24	Mechanisms of arsenic and lead release from hydrothermally altered rock. <i>Journal of Hazardous Materials</i> , 2009 , 169, 980-90	12.8	95
23	Development of a New Gravity Separator for Plastics —a Hybrid-Jig—. <i>Materials Transactions</i> , 2009 , 50, 2844-2847	1.3	21
22	Removal of Trace Impurity from Limestone Using Flotation Techniques. <i>Materials Transactions</i> , 2009 , 50, 171-176	1.3	4
21	Recovery of heavy metals from MSW molten fly ash by carrier-in-pulp method: Fe powder as carrier. <i>Minerals Engineering</i> , 2008 , 21, 1094-1101	4.9	12
20	Carrier-microencapsulation using Si—atechol complex for suppressing pyrite floatability. <i>Minerals Engineering</i> , 2008 , 21, 889-893	4.9	17
19	Immersion Behavior of Automobile Shredded Residue in Surfactant Solutions and Detachment of Particulate Matter. <i>Materials Transactions</i> , 2008 , 49, 2371-2376	1.3	2
18	Dispersion-Flocculation Behavior of Fine Lead Particles in an Organic Solvent. <i>Materials Transactions</i> , 2008 , 49, 2119-2123	1.3	7
17	Effect of solution composition on the optimum redox potential for chalcopyrite leaching in sulfuric acid solutions. <i>Hydrometallurgy</i> , 2008 , 91, 144-149	4	68
16	Carrier-microencapsulation for preventing pyrite oxidation. <i>International Journal of Mineral Processing</i> , 2007 , 83, 116-124		30
15	The Recovery of Electrode Compounds from Waste Nickel Metal Hydride Batteries by Physical Separation Techniques. <i>Materials Transactions</i> , 2007 , 48, 1089-1094	1.3	5
14	Jig separation of plastics from scrapped copy machines. <i>International Journal of Mineral Processing</i> , 2005 , 76, 67-74		30
13	Effect of Jarosite on the Removal of Arsenic ions in Sulfuric Acid Solution. <i>Shigen-to-Sozai</i> , 2005 , 121, 597-602		4
12	Synergistic effect of cupric and ferrous ions on active-passive behavior in anodic dissolution of chalcopyrite in sulfuric acid solutions. <i>Hydrometallurgy</i> , 2004 , 74, 103-116	4	93
11	The Effect of Mn ²⁺ Concentration on Mn Removal by a Sulfate Reducing Bacteria Bioreactor. <i>Materials Transactions</i> , 2004 , 45, 2429-2434	1.3	7
10	Fundamental Study on the Removal of Mn ²⁺ in Acid Mine Drainage using Sulfate Reducing Bacteria. <i>Materials Transactions</i> , 2004 , 45, 2422-2428	1.3	8
9	A new reaction model for the catalytic effect of silver ions on chalcopyrite leaching in sulfuric acid solutions. <i>Hydrometallurgy</i> , 2002 , 63, 257-267	4	111
8	Enhancement of chalcopyrite leaching by ferrous ions in acidic ferric sulfate solutions. <i>Hydrometallurgy</i> , 2001 , 60, 185-197	4	153

7	A model for ferrous-promoted chalcopyrite leaching. <i>Hydrometallurgy</i> , 2000 , 57, 31-38	4	132
6	Inhibitory effect of iron-oxidizing bacteria on ferrous-promoted chalcopyrite leaching. <i>Biotechnology and Bioengineering</i> , 1999 , 64, 478-83	4-9	26
5	Effects of Several Inhibitors to Thiobacillus ferrooxidans on Ferrous Promoted Chalcopyrite Leaching.. <i>Shigen-to-Sozai</i> , 1999 , 115, 172-176		4
4	Basic Study on Separation of Pyrite from Coal by Flotation Using Ferric Solution. <i>Shigen-to-Sozai</i> , 1999 , 115, 737-742		1
3	A Method to Characterized Flotation Performance of Fine Coal and Estimate its Liberation.. <i>Shigen-to-Sozai</i> , 1998 , 114, 421-425		5
2	Ferrous Promoted Chalcopyrite Leaching. Ferric formation and its effects on the leaching.. <i>Shigen-to-Sozai</i> , 1998 , 114, 795-800		7
1	A case of ferrous sulfate addition enhancing chalcopyrite leaching. <i>Hydrometallurgy</i> , 1997 , 47, 37-45	4	93