

Carlito Baltazar Tabelin

List of Publications by Year in descending order

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155
papers

6,114
citations

61857

43
h-index

88477

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all docs

157
docs citations

157
times ranked

2469
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.8	15
2	Advances in Selective Flotation and Leaching Process in Metallurgy. <i>Metals</i> , 2022, 12, 144.	1.0	2
3	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.	0.8	6
4	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, 76-90.	2.2	10
5	Recovery of Rare Earth Metals (REMs) from Nickel Metal Hydride Batteries of Electric Vehicles. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 34.	0.8	14
6	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.	1.3	24
7	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.	1.2	8
8	Alkaline Leaching and Concurrent Cementation of Dissolved Pb and Zn from Zinc Plant Leach Residues. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 393.	0.8	5
9	Assessment of soil, sediment and water contaminations around open-pit coal mines in Moatize, Tete province, Mozambique. <i>Environmental Advances</i> , 2022, 8, 100215.	2.2	27
10	Development of Ceramic Tiles from Philippine Nickel Laterite Mine Waste by Ceramic Casting Method. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 579.	0.8	4
11	In Situ Measurements of Domestic Water Quality and Health Risks by Elevated Concentration of Heavy Metals and Metalloids Using Monte Carlo and MLGI Methods. <i>Toxics</i> , 2022, 10, 342.	1.6	15
12	Geochemical audit of a historical tailings storage facility in Japan: Acid mine drainage formation, zinc migration and mitigation strategies. <i>Journal of Hazardous Materials</i> , 2022, 438, 129453.	6.5	25
13	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.	1.0	12
14	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.	1.0	8
15	Effects of coarse chalcopyrite on flotation behavior of fine chalcopyrite. <i>Minerals Engineering</i> , 2021, 163, 106776.	1.8	20
16	Flotation Separation of Chalcopyrite and Molybdenite Assisted by Microencapsulation Using Ferrous and Phosphate Ions: Part II. <i>Flotation. Metals</i> , 2021, 11, 439.	1.0	10
17	Effects of cement addition on arsenic leaching from soils excavated from projects employing shield-tunneling method. <i>Geoderma</i> , 2021, 385, 114896.	2.3	28
18	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.	1.8	179

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19	Suppression of arsenopyrite oxidation by microencapsulation using ferric-catecholate complexes and phosphate. <i>Chemosphere</i> , 2021, 269, 129413.	4.2	38
20	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.	1.4	49
21	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)</i> , 2021, 11, 902.	0.8	1
22	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.	1.8	18
23	Development of a restraining wall and screw-extractor discharge system for continuous jig separation of mixed plastics. <i>Minerals Engineering</i> , 2021, 168, 106918.	1.8	9
24	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.	5.3	144
25	Enhanced pyrite passivation by carrier-microencapsulation using Fe-catechol and Ti-catechol complexes. <i>Journal of Hazardous Materials</i> , 2021, 416, 126089.	6.5	28
26	Editorial for Special Issue "Novel and Emerging Strategies for Sustainable Mine Tailings and Acid Mine Drainage Management". <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 902.	0.8	1
27	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.	1.0	10
28	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.	1.8	19
29	A novel arsenic immobilization strategy via a two-step process: Arsenic concentration from dilute solution using schwertmannite and immobilization in Ca-Fe-AsO ₄ compounds. <i>Journal of Environmental Management</i> , 2021, 295, 113052.	3.8	19
30	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.	4.6	20
31	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.	2.2	11
32	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.	0.2	19
33	Development of the reverse hybrid jig: Separation of polyethylene and cross-linked polyethylene from eco-cable wire. <i>Minerals Engineering</i> , 2021, 174, 107241.	1.8	8
34	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.	3.3	6
35	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.	0.8	11
36	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.	1.0	11

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37	Beneficiation of Low-Grade Rare Earth Ore from Khalzan Buregtei Deposit (Mongolia) by Magnetic Separation. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1432.	0.8	20
38	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.	1.8	21
39	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.	1.4	15
40	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.	1.8	62
41	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.	1.6	19
42	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.	1.8	42
43	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.	1.0	34
44	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.	4.2	86
45	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.	1.6	17
46	The Separation of Aluminum and Stainless-Steel Scraps Using Vibrating Mixed-Size Ball Bed. <i>Metals</i> , 2020, 10, 868.	1.0	9
47	Agglomeration-Flotation of Finely Ground Chalcopyrite Using Emulsified Oil Stabilized by Emulsifiers: Implications for Porphyry Copper Ore Flotation. <i>Metals</i> , 2020, 10, 912.	1.0	22
48	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.	1.0	13
49	Hydrochloric Acid Leaching Behaviors of Copper and Antimony in Speiss Obtained from Top Submerged Lance Furnace. <i>Metals</i> , 2020, 10, 1393.	1.0	4
50	Leaching of hazardous elements from Mozambican coal and coal ash. <i>Journal of African Earth Sciences</i> , 2020, 168, 103861.	0.9	26
51	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.	5.3	31
52	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.	6.5	163
53	Redox potential-dependent chalcopyrite leaching in acidic ferric chloride solutions: Leaching experiments. <i>Hydrometallurgy</i> , 2020, 194, 105299.	1.8	21
54	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.	3.3	49

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55	Improvement of Copper Metal Leaching in Sulfuric Acid Solution by Simultaneous Use of Oxygen and Cupric Ions. <i>Metals</i> , 2020, 10, 721.	1.0	13
56	Modeling of the groundwater flow system in excavated areas of an abandoned mine. <i>Journal of Contaminant Hydrology</i> , 2020, 230, 103617.	1.6	46
57	Carrier-microencapsulation of arsenopyrite using Al-catechol complex: nature of oxidation products, effects on anodic and cathodic reactions, and coating stability under simulated weathering conditions. <i>Heliyon</i> , 2020, 6, e03189.	1.4	50
58	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.	3.9	115
59	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.	1.0	43
60	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.	0.8	26
61	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.	1.8	59
62	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.	0.4	21
63	Leaching and Adsorption Behavior of Arsenic and Selenium from Excavated Mudstones Considering Their Chemical Species. <i>Journal of MMIJ</i> , 2020, 136, 64-76.	0.4	1
64	Metal Recovery and Pb Removal by Melting Mixture of Lead Glass and Printed Circuit Board. <i>Journal of MMIJ</i> , 2020, 136, 25-32.	0.4	0
65	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.	0.5	19
66	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.	1.8	27
67	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.	1.6	21
68	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.	0.1	2
69	Development of suitable product recovery systems of continuous hybrid jig for plastic-plastic separation. <i>Minerals Engineering</i> , 2019, 141, 105839.	1.8	23
70	Evaluation of Maghemite-Rich Iron Oxide Composite Prepared from Magnetite as Adsorbent for Gold from Chloride Solution. <i>Jom</i> , 2019, 71, 4639-4646.	0.9	21
71	Suppression of pyrite oxidation by ferric-catechol complexes: An electrochemical study. <i>Minerals Engineering</i> , 2019, 138, 226-237.	1.8	36
72	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.	4.2	70

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73	Hematite-catalysed scorodite formation as a novel arsenic immobilisation strategy under ambient conditions. <i>Chemosphere</i> , 2019, 233, 946-953.	4.2	79
74	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.	1.8	49
75	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.	1.6	81
76	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.	0.1	1
77	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.	0.1	14
78	Formation of surface protective coatings on arsenopyrite using Al-catechol complex and its mode of inhibition of arsenopyrite oxidation. <i>MATEC Web of Conferences</i> , 2019, 268, 06015.	0.1	1
79	Potential utilization of artisanal gold-mine tailings as geopolymeric source material: preliminary investigation. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	38
80	Galvanic Microencapsulation (GME) Using Zero-Valent Aluminum and Zero-Valent Iron to Suppress Pyrite Oxidation. <i>Materials Transactions</i> , 2019, 60, 277-286.	0.4	42
81	Metal Recovery from Printed Circuit Boards Using CRT Glass by Reduction Melting. , 2019, , 185-197.		4
82	A review of recent strategies for acid mine drainage prevention and mine tailings recycling. <i>Chemosphere</i> , 2019, 219, 588-606.	4.2	429
83	Suppressive effects of ferric-catechol complexes on pyrite oxidation. <i>Chemosphere</i> , 2019, 214, 70-78.	4.2	59
84	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.	4.6	49
85	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.	2.2	27
86	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.	1.3	15
87	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.	6.5	65
88	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.	1.8	39
89	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.	3.7	48
90	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.	0.5	4

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91	Gold recovery from shredder light fraction of E-waste recycling plant by flotation-ammonium thiosulfate leaching. <i>Waste Management</i> , 2018, 77, 195-202.	3.7	70
92	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.	3.9	321
93	Simultaneous suppression of acid mine drainage formation and arsenic release by Carrier-microencapsulation using aluminum-catecholate complexes. <i>Chemosphere</i> , 2018, 205, 414-425.	4.2	72
94	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.	0.1	2
95	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.	3.9	72
96	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.	3.9	115
97	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.	4.2	60
98	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.	4.2	86
99	Leaching of Copper from Cuprous Oxide in Aerated Sulfuric Acid. <i>Materials Transactions</i> , 2017, 58, 1500-1504.	0.4	22
100	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.	2.6	16
101	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.	1.0	39
102	Electrochemical Investigation of Gold Uptake From Chloride Solution by Magnetite. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2015, 36, 332-339.	2.6	10
103	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.	0.7	16
104	Stability of As(V)-sorbed schwertmannite under porphyry copper mine conditions. <i>Minerals Engineering</i> , 2015, 74, 51-59.	1.8	17
105	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.	1.6	78
106	Batch Studies On Arsenic Adsorption Onto Lignite, Bentonite, Shale And Iron Sand: Effects Of Ph, Time, Particle Size And Sulfate Concentration. <i>Journal of Southeast Asian Applied Geology</i> , 2015, 4, .	0.1	0
107	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, 620-629.	3.9	74
108	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, 244-253.	3.9	89

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109	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.	2.3	52
110	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.	1.8	30
111	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.	0.1	2
112	Chemical Forms of Arsenic and Selenium Leached from Mudstones. <i>Procedia Earth and Planetary Science</i> , 2013, 6, 105-113.	0.6	4
113	Utilization of natural and artificial adsorbents in the mitigation of arsenic leached from hydrothermally altered rock. <i>Engineering Geology</i> , 2013, 156, 58-67.	2.9	50
114	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.	1.5	70
115	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.	0.8	26
116	Removal of Arsenic, Boron, and Selenium from Excavated Rocks by Consecutive Washing. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 4153-4167.	1.1	47
117	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.	2.6	11
118	Mobilization and speciation of arsenic from hydrothermally altered rock in laboratory column experiments under ambient conditions. <i>Applied Geochemistry</i> , 2012, 27, 326-342.	1.4	57
119	Suppression of Pyrite Oxidation by Carrier Microencapsulation Using Silicon and Catechol. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2012, 33, 89-98.	2.6	23
120	Mobilization and speciation of arsenic from hydrothermally altered rock containing calcite and pyrite under anoxic conditions. <i>Applied Geochemistry</i> , 2012, 27, 2300-2314.	1.4	37
121	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.	2.9	78
122	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.	3.9	3
123	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.	1.6	2
124	Suppression of floatability of pyrite in coal processing by carrier microencapsulation. <i>Fuel Processing Technology</i> , 2011, 92, 1032-1036.	3.7	15
125	Removal of lead compounds from polyvinylchloride in electric wires and cables using cation-exchange resin. <i>Journal of Hazardous Materials</i> , 2011, 191, 388-392.	6.5	13
126	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.	2.6	22

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127	Factors affecting arsenic mobility from hydrothermally altered rock in impoundment-type in situ experiments. <i>Minerals Engineering</i> , 2010, 23, 238-248.	1.8	37
128	Effect of chloride ions on leaching rate of chalcopyrite. <i>Minerals Engineering</i> , 2010, 23, 471-477.	1.8	62
129	On the Use of Magnetite for Gold Recovery From Chloride Solution. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2010, 31, 201-213.	2.6	25
130	Subcritical crack growth in rocks in an aqueous environment. <i>Exploration Geophysics</i> , 2009, 40, 163-171.	0.5	41
131	Optimum water pulsation of jig separation for crushed plastic particles. <i>International Journal of Mineral Processing</i> , 2009, 92, 103-108.	2.6	26
132	Mechanisms of arsenic and lead release from hydrothermally altered rock. <i>Journal of Hazardous Materials</i> , 2009, 169, 980-990.	6.5	112
133	Development of a New Gravity Separator for Plastics —a Hybrid-Jig—. <i>Materials Transactions</i> , 2009, 50, 2844-2847.	0.4	31
134	Removal of Trace Impurity from Limestone Using Flotation Techniques. <i>Materials Transactions</i> , 2009, 50, 171-176.	0.4	5
135	Effect of solution composition on the optimum redox potential for chalcopyrite leaching in sulfuric acid solutions. <i>Hydrometallurgy</i> , 2008, 91, 144-149.	1.8	77
136	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.	1.8	17
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