

Gjergj A Dodbiba

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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.

126
papers

1,666
citations

22
h-index

37
g-index

138
ext. papers

1,928
ext. citations

3.2
avg, IF

4.67
L-index

#	Paper	IF	Citations
126	Calcination of low-grade laterite for concentration of Ni by magnetic separation. <i>Minerals Engineering</i> , 2010 , 23, 282-288	4.9	99
125	The tremendous potential of deep-sea mud as a source of rare-earth elements. <i>Scientific Reports</i> , 2018 , 8, 5763	4.9	93
124	Application of progressive freeze-concentration for desalination. <i>Desalination</i> , 2013 , 319, 33-37	10.3	72
123	The recycling of plastic wastes from discarded TV sets: comparing energy recovery with mechanical recycling in the context of life cycle assessment. <i>Journal of Cleaner Production</i> , 2008 , 16, 458-470	10.3	72
122	Recovering Indium from the Liquid Crystal Display of Discarded Cellular Phones by Means of Chloride-Induced Vaporization at Relatively Low Temperature. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009 , 40, 891-900	2.3	66
121	Combination of sinkfloat separation and flotation technique for purification of shredded PET-bottle from PE or PP flakes. <i>International Journal of Mineral Processing</i> , 2002 , 65, 11-29		63
120	Regional energy-related carbon emission characteristics and potential mitigation in eco-industrial parks in South Korea: Logarithmic mean Divisia index analysis based on the Kaya identity. <i>Energy</i> , 2012 , 46, 231-241	7.9	62
119	Progress in Separating Plastic Materials for Recycling. <i>Physical Separation in Science and Engineering</i> , 2004 , 13, 165-182		57
118	The use of air tabling and triboelectric separation for separating a mixture of three plastics. <i>Minerals Engineering</i> , 2005 , 18, 1350-1360	4.9	57
117	Leaching of indium from obsolete liquid crystal displays: comparing grinding with electrical disintegration in context of LCA. <i>Waste Management</i> , 2012 , 32, 1937-44	8.6	53
116	Evaluation of a recycling process for printed circuit board by physical separation and heat treatment. <i>Waste Management</i> , 2014 , 34, 1264-73	8.6	51
115	Investigating magnetorheological properties of a mixture of two types of carbonyl iron powders suspended in an ionic liquid. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 1322-1327	2.8	48
114	Removal of insoluble chloride from bottom ash for recycling. <i>Waste Management</i> , 2008 , 28, 1317-23	8.6	48
113	Recovery of rare earth elements from aqueous solution obtained from Vietnamese clay minerals using dried and carbonized parachlorella. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1070-1081	6.8	47
112	Triboelectrostatic Separation of ABS, PS and PP Plastic Mixture. <i>Materials Transactions</i> , 2003 , 44, 161-166	6.3	44
111	A novel approach for evaluating the performance of eco-industrial park pilot projects. <i>Journal of Cleaner Production</i> , 2013 , 39, 50-59	10.3	41
110	Electrostatic Separation of the Shredded Plastic Mixtures Using A Tribo-Cyclone 2002 , 11, 63-92		35

109	Separation of Rare Earth Fluorescent Powders by Two-Liquid Flotation using Organic Solvents. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 5093-5099	1.4	34
108	Sorption of Cr(VI) anions in aqueous solution using carbonized or dried pineapple leaves. <i>Chemical Engineering Journal</i> , 2011 , 172, 906-913	14.7	31
107	Selective recovery of rare earth elements from aqueous solution obtained from coal power plant ash. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 3761-3766	6.8	29
106	Leaching of Rare-Earth Elements and Their Adsorption by Using Blue-Green Algae. <i>Materials Transactions</i> , 2011 , 52, 1799-1806	1.3	23
105	Synthesis of iron-based adsorbents and their application in the adsorption of molybdenum ions in nitric acid solution. <i>Chemical Engineering Journal</i> , 2011 , 166, 496-503	14.7	22
104	Separation Performance of PVC and PP Plastic Mixture Using Air Table. <i>Physical Separation in Science and Engineering</i> , 2003 , 12, 71-86		22
103	Reduction, reuse and recycle of spent Li-ion batteries for automobiles: A review. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021 , 28, 179-192	3.1	20
102	Combination of Triboelectrostatic Separation and Air Tabling for Sorting Plastics from a Multi-Component Plastic Mixture. <i>Materials Transactions</i> , 2003 , 44, 2427-2435	1.3	17
101	Characterization of Magnetorheological Suspension for Seal. <i>Journal of Intelligent Material Systems and Structures</i> , 1999 , 10, 770-774	2.3	16
100	A sustainable approach to separate and recover indium and tin from spent indium tin oxide targets. <i>RSC Advances</i> , 2017 , 7, 52017-52023	3.7	15
99	A Novel Flow Sheet for Processing of Used Lithium-ion Batteries for Recycling. <i>Resources Processing</i> , 2011 , 58, 9-13	0.1	15
98	Two-Liquid Flotation: Heterocoagulation of Fine Particles in Polar Organic Solvent. <i>Materials Transactions</i> , 2007 , 48, 1095-1104	1.3	15
97	MR FLUID OF LIQUID GALLIUM DISPERSING MAGNETIC PARTICLES. <i>International Journal of Modern Physics B</i> , 2005 , 19, 1430-1436	1.1	15
96	Adsorption of Cesium Ion on Various Clay Minerals and Remediation of Cesium Contaminated Soil in Japan. <i>Resources Processing</i> , 2013 , 60, 13-17	0.1	14
95	Hydration Behaviour of Ecocement in Presence of Metakaolin. <i>Resources Processing</i> , 2004 , 51, 35-41	0.1	14
94	Promising Approach for Recycling of Spent CIGS Targets by Combining Electrochemical Techniques with Dehydration and Distillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6950-6956	8.3	13
93	Integrating sulfidization with neutralization treatment for selective recovery of copper and zinc over iron from acid mine drainage. <i>Minerals Engineering</i> , 2013 , 45, 100-107	4.9	12
92	Separation of ultrafine particles of alumina and zircon by liquid-liquid extraction using kerosene as the organic phase and sodium dodecylsulfate (SDS) as the surfactant collector for abrasive manufacturing waste recycling. <i>Separation and Purification Technology</i> , 2013 , 108, 133-138	8.3	12

91	Movement of liquid gallium dispersing low concentration of temperature sensitive magnetic particles under magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 1207-1210	2.8	12
90	FeNbVB ALLOY PARTICLES SUSPENDED IN LIQUID GALLIUM: INVESTIGATING THE MAGNETIC PROPERTIES OF THE MR SUSPENSION. <i>International Journal of Modern Physics B</i> , 2011 , 25, 947-955	1.1	12
89	Measurements of size distribution of titanium dioxide fine particles in a highly concentrated non-aqueous suspension by using particle self-assembly under an electric field. <i>Advanced Powder Technology</i> , 2012 , 23, 517-522	4.6	11
88	Removal of arsenic from wastewater using iron compound: Comparing two different types of adsorbents in the context of LCA. <i>Resources, Conservation and Recycling</i> , 2009 , 53, 688-697	11.9	11
87	Recovery of LiCoO ₂ from Wasted Lithium Ion Batteries by using Mineral Processing Technology. <i>Resources Processing</i> , 2004 , 51, 3-7	0.1	11
86	Separation of palladium and silver from semiconductor solid waste by means of liquid-liquid-powder extraction using dodecyl amine acetate as a surfactant collector. <i>Separation and Purification Technology</i> , 2018 , 191, 86-93	8.3	10
85	Evaluation of the flocculation and de-flocculation performance and mechanism of polymer flocculants. <i>Water Science and Technology</i> , 2014 , 69, 1249-58	2.2	10
84	SYNTHESIS OF AN IONIC LIQUID-BASED MAGNETORHEOLOGICAL FLUID DISPERSING Fe ₈₄ Nb ₃ V ₄ B ₉ NANOCRYSTALLINE POWDERS. <i>International Journal of Modern Physics B</i> , 2010 , 24, 1227-1234	1.1	10
83	Long-Term Stability of Different Kinds of Gas Nanobubbles in Deionized and Salt Water. <i>Materials</i> , 2021 , 14,	3.5	10
82	A circulating electrolyte for a high performance carbon-based dye-sensitized solar cell. <i>Chemical Communications</i> , 2017 , 53, 5561-5564	5.8	9
81	Keeping gallium metal to liquid state under the freezing point by using silica nanoparticles. <i>Applied Physics Letters</i> , 2011 , 99, 143120	3.4	9
80	Measurement of particle size distribution of silica nanoparticles by interactive force apparatus under an electric field. <i>Advanced Powder Technology</i> , 2010 , 21, 419-423	4.6	9
79	Liberation of various types of composite materials by controlled underwater explosion. <i>Minerals Engineering</i> , 2016 , 89, 63-70	4.9	8
78	Recovery of phosphorus from Sewage Sludge Ash (SSA) by heat treatment followed by high gradient magnetic separation and flotation. <i>Advanced Powder Technology</i> , 2017 , 28, 755-762	4.6	7
77	Mineral carbonation by blowing incineration gas containing CO ₂ into the solution of fly ash and ammonia for ex situ carbon capture and storage. <i>Geosystem Engineering</i> , 2014 , 17, 125-135	1.2	7
76	Two-step accelerated mineral carbonation and decomposition analysis for the reduction of CO ₂ emission in the eco-industrial parks. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1411-22	6.4	7
75	Classification of submicron Ni particles by heterocoagulation. <i>Powder Technology</i> , 2007 , 173, 19-28	5.2	7
74	Dispersion of submicron Ni particles into liquid gallium. <i>Magneto hydrodynamics</i> , 2008 , 44, 97-104	1.6	7

73	SulfationRoastingLeachingPrecipitation Processes for Selective Recovery of Erbium from Bottom Ash. <i>Sustainability</i> , 2019 , 11, 3461	3.6	6
72	Synthesis of silica-coated ferromagnetic fine powder by heterocoagulation. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 204105	1.8	6
71	Recovering Carbon from Korean Anthracite by Hindered-Settling Separation. <i>Resources Processing</i> , 2004 , 51, 52-55	0.1	6
70	Recovering PVC by Triboelectric Separation and Air Tabling. <i>Resources Processing</i> , 2006 , 53, 153-159	0.1	6
69	Free radical degradation in aqueous solution by blowing hydrogen and carbon dioxide nanobubbles. <i>Scientific Reports</i> , 2021 , 11, 3068	4.9	6
68	Selective Precipitation of Copper and Zinc over Iron from Acid Mine Drainage by Neutralization and Sulfidization for Recovery. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2014 , 20, 136-140	0	5
67	Life Cycle Assessment: A Tool for Evaluating and Comparing Different Treatment Options for Plastic Wastes from Old Television Sets. <i>Data Science Journal</i> , 2007 , 6, S39-S50	2	5
66	Study on the Synthesis of Hydroxyapatite under Highly Alkaline Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4385-4396	3.9	5
65	A novel method for simultaneous evaluation of particle geometry by using image processing analysis. <i>Powder Technology</i> , 2021 , 393, 60-73	5.2	5
64	Leaching of cathode materials from spent lithium-ion batteries by using a mixture of ascorbic acid and HNO ₃ . <i>Hydrometallurgy</i> , 2021 , 205, 105746	4	5
63	Two-Liquid Flotation for Separating Mixtures of Ultra-Fine Rare Earth Fluorescent Powders for Material RecyclingA Review. <i>Colloids and Interfaces</i> , 2018 , 2, 7	3	4
62	Production of the Hydroxyl Radical and Removal of Formaldehyde by Calcined Green Tuff Powder and Tile. <i>Sustainability</i> , 2019 , 11, 3390	3.6	4
61	Optimization of lithium electrosorption from brine deposit. <i>Geosystem Engineering</i> , 2014 , 17, 157-162	1.2	4
60	Assessing Different Recycling Options for Plastic Wastes from Discarded Mobile Phones in the Context of LCA. <i>Resources Processing</i> , 2007 , 54, 29-34	0.1	4
59	THE CONCOMITANT-EFFECT OF ELECTORRHEOLOGICAL FLUID IN A CONTROL FLOW FIELD. <i>International Journal of Modern Physics B</i> , 2005 , 19, 1263-1269	1.1	4
58	EFFECT OF CARBONIZATION ON BANANA PEELS FOR REMOVAL OF CADMIUM IONS FROM AQUEOUS SOLUTION. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 851-860	0.6	4
57	Liquid-Liquid Separation of Fine Zircon-Alumina Mixtures for Abrasives Recycling. <i>Resources Processing</i> , 2012 , 59, 81-84	0.1	4
56	Optimization of the process parameters for the manufacturing of open-cells iron foams with high energy absorption. <i>Procedia Structural Integrity</i> , 2016 , 2, 2277-2282	1	4

55	Recovery of Indium and Gallium from Spent IGZO Targets by Leaching and Solvent Extraction. <i>Journal of Chemical Engineering of Japan</i> , 2018 , 51, 675-682	0.8	4
54	Fundamental Study on Recovery of WC from Hardmetal Sludge by Using Mineral Processing. <i>Materials Transactions</i> , 2011 , 52, 1471-1476	1.3	3
53	Effect of particle size distribution on formation of linear configuration of dielectric fine particles under the electric field. <i>Journal of Physics: Conference Series</i> , 2009 , 147, 012003	0.3	3
52	Advanced Sewage Treatment with Hollow Fiber Bioreactor. <i>Resources Processing</i> , 2005 , 52, 167-171	0.1	3
51	Recovery of Heavy Metals by Flotation from Incinerated Automobile Shredder Residues. <i>Resources Processing</i> , 2007 , 54, 152-157	0.1	3
50	Recovery of Dysprosium Ions by Biosorption-desorption onto Organic Plants Wastes. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2014 , 20, 141-146	0	3
49	Enrichment of silicocarnotite from silicocarnotite and gehlenite mixtures using a kerosene-based liquid-liquid separation process. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103387	6.8	2
48	Urban Biomining: New Challenges for a Successful Exploitation of WEEE by Means of a Biotechnological Approach 2015 , 347-376		2
47	A Novel Separation Method for Plastic of Discarded Appliance Including Black Plastic by Using Raman Spectroscopy. <i>Resources Processing</i> , 2013 , 60, 65-71	0.1	2
46	Evaluating the Practical Application of Underwater Explosion for Recycling. <i>Resources Processing</i> , 2011 , 58, 52-58	0.1	2
45	Arsenic Removal in Low-Grade Fluorite by Using Mineral Processing Techniques. <i>Resources Processing</i> , 2010 , 57, 105-108	0.1	2
44	Rheological Properties and Movement of Fluid Dispersing Ultrafine Ferromagnetic Particles in Liquid Gallium. <i>Nihon Reoraji Gakkaishi</i> , 2010 , 38, 67-72	0.8	2
43	Liquid Gallium based temperature sensitive functional fluid dispersing chemically synthesized FeMB nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009 , 149, 012108	0.3	2
42	Characterization of Magnetorheological Suspension for Seal 2000 , 709-715		2
41	Economic Evaluation of Recycled Waste Acid and Alkali Solutions in the Printed Circuit Board Process of the Eco-industrial Park. <i>Resources Processing</i> , 2012 , 59, 9-16	0.1	2
40	Adsorption of Molybdenum Ion in Nitric Acid Solution by Using a Pb-Fe Based Adsorbent. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2010 , 17, 28-34	0	2
39	Structure and magnetic properties of coprecipitated nickel-zinc ferrite-doped rare earth elements of Sc, Dy, and Gd. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 13511-13526	2.1	2
38	Removal of Impurities from Shungite Via a Combination of Physical and Chemical Treatments. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 245	2.4	2

37	Effect of Calcination Temperature on the Hydroxyl Radical Generation of Calcined Dolomite Suspension. <i>Journal of MMIJ</i> , 2018 , 134, 151-157	0.3	2
36	Air Tabling A Dry Gravity Solid-Solid Separation Technique 2015 , 527-555		1
35	A Novel Process for Recovering Valuable Materials from Spent Lithium-Ion Batteries 2013 , 370-376		1
34	Boron Removal and Recovery by Adsorbing Effect of Boron on Thermally Treated Dolomite in the Water Containing Boron Ion. <i>Resources Processing</i> , 2012 , 59, 149-154	0.1	1
33	Nano to micro particle size distribution measurement in the fluid by interactive force apparatus for fine particle processing. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 8184-9	1.3	1
32	Processing of Discarded Liquid Crystal Display for Recovering Indium 2011 , 11-16		1
31	Copper Recovery from Printed Circuit Board of E-Waste 2011 , 33-38		1
30	Copper Recovery from Printed Circuit Board by Carbonization. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2010 , 17, 53-57	0	1
29	Development of a Manufacturing Process of Biomass Solid Fuel with Wasted Coffee Beans and its CO ₂ Assessment. <i>Resources Processing</i> , 2009 , 56, 21-25	0.1	1
28	Leaching of Platinum from Cobalt-Rich Crust by Hydrochloric Acid with Hydrogen Peroxide. <i>Resources Processing</i> , 2009 , 56, 165-173	0.1	1
27	A Study on the Manufacture of Clinker Using Low Grade Limestone and Waste Paper Sludge. <i>Resources Processing</i> , 2004 , 51, 163-168	0.1	1
26	Stability and Free Radical Production for CO and H in Air Nanobubbles in Ethanol Aqueous Solution.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
25	Erasing Data and Recycling of Optical Disks. <i>Data Science Journal</i> , 2007 , 6, S11-S17	2	1
24	Recovery of Precious Metal Ions from Wastewater Generated during the Refining Process of Scrap Materials. <i>Resources Processing</i> , 2008 , 55, 169-177	0.1	1
23	Upgrading of MgO grade in Dolomite Ore by Flotation. <i>Resources Processing</i> , 2009 , 56, 55-63	0.1	1
22	Fundamental Study on the Electrical Disintegration of Cobalt-Rich-Crust for Platinum Recovery. <i>Resources Processing</i> , 2009 , 56, 26-32	0.1	1
21	Removal of Banana Tree Fungi Using Green Tuff Rock Powder Waste Containing Zeolite. <i>Catalysts</i> , 2019 , 9, 1049	4	1
20	Recovery of Phosphorus from Sewage Sludge Ash by Heat treatment and Liquid-Liquid Separation. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2018 , 23, 93-97	0	1

19	Nano Bubble and Emulsion Size Distribution Measurement by Interactive Force Apparatus. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2018 , 23, 158-161	0	1
18	Leaching behavior of indium from waste liquid crystal display: Further study on the coupling effect of multi-factors for optimum leaching process. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107930	6.8	1
17	Improved Method for Preparing Nanospheres from Pomelo Peel to Achieve High Graphitization at a Low Temperature. <i>Crystals</i> , 2022 , 12, 403	2.3	0
16	Arsenic (III) oxidation and removal from artificial mine wastewater by blowing O ₂ nanobubbles. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102780	6.7	0
15	Study on the adsorption behavior of tin from waste liquid crystal display using a novel macroporous silica-based adsorbent in one-step separation. <i>Separation and Purification Technology</i> , 2022 , 292, 121006	8.3	0
14	Bioextraction of Copper from Printed Circuit Boards: Influence of Initial Concentration of Ferrous Iron 2013 , 354-360		
13	Nickel Recovery from Printed Circuit Board and Distribution of Other Elements by Heat Treatment and Magnetic Separation. <i>Journal of MMIJ</i> , 2011 , 127, 584-591	0.3	
12	A Preliminary Study on Employing High-Voltage Impulse for the Exploitation of Cobalt-Rich Crust. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2010 , 17, 126-130	0	
11	Material Recycling and Recycling System using RFID Technology. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2010 , 17, 163-167	0	
10	Size Distribution Measurements of Fine Particles Using Their Pearl Chain Formations under a DC Electric Field 2012 , 351-360		
9	Preparation of Limestone Particles with High Value of Whiteness Parameter by Coating with Calcium Carbonate. <i>Resources Processing</i> , 2007 , 54, 128-138	0.1	
8	A Fundamental Study on the Separation of Papers with Flotation Method and Sink-Float Method.. <i>Resources Processing</i> , 2001 , 48, 3-8		
7	1213 Assessing Different Treatment Options for Plastic Wastes from Discarded Television Sets in the Context of LCA. <i>The Proceedings of Design & Systems Conference</i> , 2005 , 2005.15, 94-97	0	
6	Evaluating Public Availability of Environmental Information: an Indicator-Based Assessment. <i>Resources Processing</i> , 2008 , 55, 16-25	0.1	
5	Life Cycle Impact Assessment by Using LIME2 of Various Gold Leaching Systems from Metal Scrap Containing Gold. <i>Journal of MMIJ</i> , 2016 , 132, 31-38	0.3	
4	Platinum Recovery from Hydrochloric Acid Leaching Solution of Cobalt-Rich Crust by Seaweed Biosorption and Activated Carbon. <i>Resources Processing</i> , 2010 , 57, 20-28	0.1	
3	A Novel Process for Recovering Valuable Materials from Spent Lithium-Ion Batteries 2013 , 370-376		
2	Enhanced elution of chloride ions from incinerator bottom ash. <i>Chemical Engineering Communications</i> , 2020 , 1-9	2.2	

- 1 Relative distribution enhancement: a new factor for the evaluation of synergistic solvent extraction. *Journal of Chemical Technology and Biotechnology*, **2021**, 96, 2827-2836 3.5