

Norman Toro

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

972
citations

489802

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651938

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80
all docs

80
docs citations

80
times ranked

406
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution of Chalcopyrite in Presence of Chelating Agent and Hydrogen Peroxide. Transactions of the Indian Institute of Metals, 2022, 75, 273-280.	0.7	5
2	Temporal Variography for the Evaluation of Atmospheric Carbon Dioxide Monitoring. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 80-88.	2.3	2
3	Reducing Magnesium within Seawater Used in Mineral Processing to Improve Water Recovery and Rheological Properties When Dewatering Clay-Based Tailings. Polymers, 2022, 14, 339.	2.0	3
4	Study of Molybdenite Floatability: Effect of Clays and Seawater. Materials, 2022, 15, 1136.	1.3	0
5	Flocculation of Clay-Based Tailings: Differences of Kaolin and Sodium Montmorillonite in Salt Medium. Materials, 2022, 15, 1156.	1.3	6
6	Copper Mineral Leaching Mathematical Models—A Review. Materials, 2022, 15, 1757.	1.3	11
7	Submarine mineral resources: A potential solution to political conflicts and global warming. Minerals Engineering, 2022, 179, 107441.	1.8	8
8	Estimating the Shear Resistance of Flocculated Kaolin Aggregates: Effect of Flocculation Time, Flocculant Dose, and Water Quality. Polymers, 2022, 14, 1381.	2.0	3
9	Use of Alternative Water Resources in Copper Leaching Processes in Chilean Mining Industry—A Review. Metals, 2022, 12, 445.	1.0	7
10	Leaching of Copper Contained in Waste Printed Circuit Boards, Using the Thiosulfate—Oxygen System: A Kinetic Approach. Materials, 2022, 15, 2354.	1.3	5
11	Mineral Leaching Modeling Through Machine Learning Algorithms—A Review. Frontiers in Earth Science, 2022, 10, .	0.8	2
12	A Novel Recycling Route for Spent Li-Ion Batteries. Materials, 2022, 15, 44.	1.3	5
13	Comparative Study of the Dissolution of LCO in HCl Medium with and without H ₂ O ₂ . Metals, 2022, 12, 727.	1.0	3
14	Solvent Extraction of Metal Ions from Synthetic Copper Leaching Solution Using R4NCy. Metals, 2022, 12, 1053.	1.0	4
15	Flow-Type Landslides Analysis in Arid Zones: Application in La Chimba Basin in Antofagasta, Atacama Desert (Chile). Water (Switzerland), 2022, 14, 2225.	1.2	3
16	Understanding the flocculation mechanism of quartz and kaolinite with polyacrylamide in seawater: A molecular dynamics approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 608, 125576.	2.3	34
17	Temporal evolution of the structure of tailings aggregates flocculated in seawater. Minerals Engineering, 2021, 160, 106708.	1.8	7
18	Initial investigation into the leaching of manganese from nodules at room temperature with the use of sulfuric acid and the addition of foundry slag—Part II. Separation Science and Technology, 2021, 56, 389-394.	1.3	11

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19	Synthesis of Hydronium-Potassium Jarosites: The Effect of pH and Aging Time on Their Structural, Morphological, and Electrical Properties. Minerals (Basel, Switzerland), 2021, 11, 80.	0.8	9
20	Leaching manganese nodules with iron-reducing agents – A critical review. Minerals Engineering, 2021, 163, 106748.	1.8	24
21	Scale Effect and Correlation between Uniaxial Compressive Strength and Point Load Index for Limestone and Travertine. Applied Sciences (Switzerland), 2021, 11, 3672.	1.3	1
22	Submarine Tailings in Chile – A Review. Metals, 2021, 11, 780.	1.0	12
23	Comparative Study of MnO ₂ Dissolution from Black Copper Minerals and Manganese Nodules in an Acid Medium. Metals, 2021, 11, 817.	1.0	7
24	Use of Multi-Anionic Sodium Tripolyphosphate to Enhance Dispersion of Concentrated Kaolin Slurries in Seawater. Metals, 2021, 11, 1085.	1.0	3
25	Gangues and Clays Minerals as Rate-Limiting Factors in Copper Heap Leaching: A Review. Metals, 2021, 11, 1539.	1.0	7
26	Environmental, economic and technological factors affecting Chilean copper smelters – A critical review. Journal of Materials Research and Technology, 2021, 15, 213-225.	2.6	23
27	Extraction of Cu(II), Fe(III), Zn(II), and Mn(II) from Aqueous Solutions with Ionic Liquid R4NCy. Metals, 2021, 11, 1585.	1.0	5
28	Molecular Dynamics Study of the Conformation, Ion Adsorption, Diffusion, and Water Structure of Soluble Polymers in Saline Solutions. Polymers, 2021, 13, 3550.	2.0	11
29	Leaching Chalcocite in Chloride Media – A Review. Minerals (Basel, Switzerland), 2021, 11, 1197.	0.8	7
30	Use of the O ₂ -Thiosemicarbazide System, for the Leaching of: Gold and Copper from WEEE & Silver Contained in Mining Wastes. Materials, 2021, 14, 7329.	1.3	4
31	Dissolution of pure chalcopyrite with manganese nodules and waste water. Journal of Materials Research and Technology, 2020, 9, 798-805.	2.6	29
32	Environmental analysis of the current situation of Chilean copper smelters. AIP Conference Proceedings, 2020, , .	0.3	1
33	Chalcopyrite leaching with ionic liquid based on idimazolium, chloride and pyrite in an oxygenated medium. AIP Conference Proceedings, 2020, , .	0.3	0
34	Chalcopyrite leaching with ionic liquid based on idimazolium, chloride and pyrite. AIP Conference Proceedings, 2020, , .	0.3	0
35	Kinetic modeling of the leaching of LiCoO ₂ with phosphoric acid. Journal of Materials Research and Technology, 2020, 9, 14017-14028.	2.6	13
36	Mapping of the Perception of Theft Crimes from Analysis of Newspaper Articles Online. , 2020, , .		2

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37	Leaching of Pure Chalcocite in a Chloride Media Using Waste Water at High Temperature. <i>Metals</i> , 2020, 10, 384.	1.0	4
38	Quantitative Methods to Support Data Acquisition Modernization within Copper Smelters. <i>Processes</i> , 2020, 8, 1478.	1.3	16
39	Reducing the Magnesium Content from Seawater to Improve Tailing Flocculation: Description by Population Balance Models. <i>Metals</i> , 2020, 10, 329.	1.0	5
40	Seabed mineral resources, an alternative for the future of renewable energy: A critical review. <i>Ore Geology Reviews</i> , 2020, 126, 103699.	1.1	78
41	Leaching of Pure Chalcocite with Reject Brine and MnO ₂ from Manganese Nodules. <i>Metals</i> , 2020, 10, 1426.	1.0	9
42	Manganese Nodules in Chile, an Alternative for the Production of Co and Mn in the Future—A Review. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 674.	0.8	40
43	Improving the Flocculation Performance of Clay-Based Tailings in Seawater: A Population Balance Modelling Approach. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 782.	0.8	3
44	Treatment methods for the recovery of marine nodules. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
45	A comprehensive analytical model for copper extraction from chalcocite in chloride media. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
46	Caliche and Seawater, Sources of Nitrate and Chloride Ions to Chalcopyrite Leaching in Acid Media. <i>Metals</i> , 2020, 10, 551.	1.0	9
47	Analysis of Kaolin Flocculation in Seawater by Optical Backscattering Measurements: Effect of Flocculant Management and Liquor Conditions. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 317.	0.8	5
48	Leaching of Oxide Copper Ores by Addition of Weak Acid from Copper Smelters. <i>Metals</i> , 2020, 10, 627.	1.0	10
49	Use of Seawater/Brine and Caliche™s Salts as Clean and Environmentally Friendly Sources of Chloride and Nitrate Ions for Chalcopyrite Concentrate Leaching. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 477.	0.8	17
50	Applying Statistical Analysis and Machine Learning for Modeling the UCS from P-Wave Velocity, Density and Porosity on Dry Travertine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4565.	1.3	21
51	Novel treatment for mixed copper ores: Leaching ammonia “ Precipitation “ Flotation (L.A.P.F.). <i>Minerals Engineering</i> , 2020, 149, 106242.	1.8	18
52	Enhancing the sedimentation of clay-based tailings in seawater by magnesium removal treatment. <i>Separation and Purification Technology</i> , 2020, 242, 116762.	3.9	17
53	Leaching Chalcopyrite with High MnO ₂ and Chloride Concentrations. <i>Metals</i> , 2020, 10, 107.	1.0	18
54	Reducing-Effect of Chloride for the Dissolution of Black Copper. <i>Metals</i> , 2020, 10, 123.	1.0	11

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55	Statistical Study for Leaching of Covellite in a Chloride Media. <i>Metals</i> , 2020, 10, 477.	1.0	18
56	Extraction of Titanium from Low-Grade Ore with Different Leaching Agents in Autoclave. <i>Metals</i> , 2020, 10, 497.	1.0	13
57	Treatment of black copper with the use of iron scrap - part I. <i>Hemijaska Industrija</i> , 2020, 74, 237-245.	0.3	7
58	Global sensitivity analyses of a neural networks model for a flotation circuit. <i>Hemijaska Industrija</i> , 2020, 74, 247-256.	0.3	5
59	Leaching of Silver and Gold Contained in a Sedimentary Ore, Using Sodium Thiosulfate; A Preliminary Kinetic Study. <i>Metals</i> , 2020, 10, 159.	1.0	13
60	Leaching Chalcopyrite with an Imidazolium-Based Ionic Liquid and Bromide. <i>Metals</i> , 2020, 10, 183.	1.0	20
61	Depression of Pyrite in Seawater Flotation by Guar Gum. <i>Metals</i> , 2020, 10, 239.	1.0	17
62	Describing Mining Tailing Flocculation in Seawater by Population Balance Models: Effect of Mixing Intensity. <i>Metals</i> , 2020, 10, 240.	1.0	9
63	Optimization of Cu and Mn Dissolution from Black Coppers by Means of an Agglomerate and Curing Pretreatment. <i>Metals</i> , 2020, 10, 657.	1.0	6
64	Optimization of the Heap Leaching Process through Changes in Modes of Operation and Discrete Event Simulation. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 421.	0.8	27
65	Leaching of Pure Chalcocite in a Chloride Media Using Sea Water and Waste Water. <i>Metals</i> , 2019, 9, 780.	1.0	24
66	Optimization of Parameters for the Dissolution of Mn from Manganese Nodules with the Use of Tailings in An Acid Medium. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 387.	0.8	22
67	Analysis of sodium polyacrylate as a rheological modifier for kaolin suspensions in seawater. <i>Applied Clay Science</i> , 2019, 183, 105328.	2.6	11
68	A Stochastic Model Approach for Copper Heap Leaching through Bayesian Networks. <i>Metals</i> , 2019, 9, 1198.	1.0	18
69	Representation for a prototype of recommendation system of operation mode in copper mining. , 2019, ,		2
70	Leaching of White Metal in a NaCl-H2SO4 System under Environmental Conditions. <i>Minerals (Basel)</i> , Tj ETQq0 0 0 rgrBT /Overlock 10 Tf	0.8	14
71	Leaching of Manganese from Marine Nodules at Room Temperature with the Use of Sulfuric Acid and the Addition of Tailings. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 289.	0.8	23
72	Viscoelasticity of Quartz and Kaolin Slurries in Seawater: Importance of Magnesium Precipitates. <i>Metals</i> , 2019, 9, 1120.	1.0	13

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73	Copper Tailing Flocculation in Seawater: Relating the Yield Stress with Fractal Aggregates at Varied Mixing Conditions. <i>Metals</i> , 2019, 9, 1295.	1.0	16
74	Extraction of Mn from Black Copper Using Iron Oxides from Tailings and Fe ²⁺ as Reducing Agents in Acid Medium. <i>Metals</i> , 2019, 9, 1112.	1.0	19
75	Leaching Manganese Nodules in an Acid Medium and Room Temperature Comparing the Use of Different Fe Reducing Agents. <i>Metals</i> , 2019, 9, 1316.	1.0	20
76	Initial Investigation into the Leaching of Manganese from Nodules at Room Temperature with the Use of Sulfuric Acid and the Addition of Foundry Slag Part I. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 565.	0.8	25
77	Leaching of chalcopyrite ore agglomerated with high chloride concentration and high curing periods. <i>Hydrometallurgy</i> , 2018, 181, 215-220.	1.8	38
78	Leaching of chalcopyrite (CuFeS ₂) with an imidazolium-based ionic liquid in the presence of chloride. <i>Minerals Engineering</i> , 2016, 99, 60-66.	1.8	31