Pedro A Robles

List of Publications by Year
in descending order

		687220	713332
47	581	13	21
papers	citations	h-index	g-index

49	49	49	276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Describing the adsorption of sodium tripolyphosphate on kaolinite surfaces in a saline medium by molecular dynamics. Minerals Engineering, 2022, 175, 107280.	1.8	8
2	Impact of hydrodynamic conditions on the structure of clay-based tailings aggregates flocculated in freshwater and seawater. Minerals Engineering, 2022, 176, 107313.	1.8	7
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	Obtaining the flame temperature from spectral emission of the combustion of copper concentrates. Journal of Materials Research and Technology, 2022, 17, 937-947.	2.6	0
6	Flocculation of Clay-Based Tailings: Differences of Kaolin and Sodium Montmorillonite in Salt Medium. Materials, 2022, 15, 1156.	1.3	6
7	Copper Mineral Leaching Mathematical Modelsâ€"A Review. Materials, 2022, 15, 1757.	1.3	11
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 Industryâ€"A Review. Metals, 2022, 12, 445.	1.0	7
10	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
11	Improved dispersion of clay-rich tailings in seawater using sodium polyacrylate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 612, 126015.	2.3	11
12	Leaching manganese nodules with iron-reducing agents â€“ A critical review. Minerals Engineering, 2021, 163, 106748.	1.8	24
13	Submarine Tailings in Chileâ€"A Review. Metals, 2021, 11, 780.	1.0	12
14	Comparative Study of MnO2 Dissolution from Black Copper Minerals and Manganese Nodules in an Acid Medium. Metals, 2021, 11, 817.	1.0	7
15	Polyacrylic Acid to Improve Flotation Tailings Management: Understanding the Chemical Interactions through Molecular Dynamics. Metals, 2021, 11, 987.	1.0	7
16	A Decision Support System for Changes in Operation Modes of the Copper Heap Leaching Process. Metals, 2021, 11, 1025.	1.0	10
17	A Criterion for Estimating the Strength of Flocculated Aggregates in Salt Solutions. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Over	0.8	1
18	Use of Multi-Anionic Sodium Tripolyphosphate to Enhance Dispersion of Concentrated Kaolin Slurries in Seawater. Metals, 2021, 11, 1085.	1.0	3

#	Article	IF	Citations
19	Gangues and Clays Minerals as Rate-Limiting Factors in Copper Heap Leaching: A Review. Metals, 2021, 11, 1539.	1.0	7
20	Analysis of the Dynamics of Rougher Cells on the Basis of Phenomenological Models and Discrete Event Simulation Framework. Metals, 2021, 11, 1454.	1.0	6
21	Sequestration of light hydrocarbons in Ionic Liquids at high-pressures: Consistency and thermodynamic modeling. Fluid Phase Equilibria, 2021, 546, 113119.	1.4	5
22	Environmental, economic and technological factors affecting Chilean copper smelters â€“ A critical review. Journal of Materials Research and Technology, 2021, 15, 213-225.	2.6	23
23	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
24	Lime/Sodium Carbonate Treated Seawater to Improve Flocculation and Sedimentation of Clay-Based Tailings. Polymers, 2021, 13, 4108.	2.0	1
25	Analysis of the flocculation process of fine tailings particles in saltwater through a population balance model. Separation and Purification Technology, 2020, 237, 116319.	3.9	13
26	Leaching of Pure Chalcocite in a Chloride Media Using Waste Water at High Temperature. Metals, 2020, 10, 384.	1.0	4
27	Reducing the Magnesium Content from Seawater to Improve Tailing Flocculation: Description by Population Balance Models. Metals, 2020, 10, 329.	1.0	5
28	Seabed mineral resources, an alternative for the future of renewable energy: A critical review. Ore Geology Reviews, 2020, 126, 103699.	1.1	78
29	Leaching of Pure Chalcocite with Reject Brine and MnO2 from Manganese Nodules. Metals, 2020, 10, 1426.	1.0	9
30	Manganese Nodules in Chile, an Alternative for the Production of Co and Mn in the Futureâ€”A Review. Minerals (Basel, Switzerland), 2020, 10, 674.	0.8	40
31	Improving the Flocculation Performance of Clay-Based Tailings in Seawater: A Population Balance Modelling Approach. Minerals (Basel, Switzerland), 2020, 10, 782.	0.8	3
32	Analysis of Kaolin Flocculation in Seawater by Optical Backscattering Measurements: Effect of Flocculant Management and Liquor Conditions. Minerals (Basel, Switzerland), 2020, 10, 317.	0.8	5
33	Partial seawater desalination treatment for improving chalcopyrite floatability and tailing flocculation with clay content. Minerals Engineering, 2020, 151, 106307.	1.8	19
34	Thermodynamic Behavior of the Phase Equilibrium of Ethyl Acetate + Ethanol + Water Systems at Atmospheric Pressure: Experiment and Modeling. Journal of Chemical & Engineering Data, 2020, 65, 1402-1410.	1.0	10
35	Enhancing the sedimentation of clay-based tailings in seawater by magnesium removal treatment. Separation and Purification Technology, 2020, 242, 116762.	3.9	17
36	Leaching Chalcopyrite with High MnO2 and Chloride Concentrations. Metals, 2020, 10, 107.	1.0	18

#	Article	IF	Citations
37	Reducing-Effect of Chloride for the Dissolution of Black Copper. Metals, 2020, 10, 123.	1.0	11
38	Statistical Study for Leaching of Covellite in a Chloride Media. Metals, 2020, 10, 477.	1.0	18
39	Leaching Chalcopyrite with an Imidazolium-Based Ionic Liquid and Bromide. Metals, 2020, 10, 183.	1.0	20
40	Depression of Pyrite in Seawater Flotation by Guar Gum. Metals, 2020, 10, 239.	1.0	17
41	Describing Mining Tailing Flocculation in Seawater by Population Balance Models: Effect of Mixing Intensity. Metals, 2020, 10, 240.	1.0	9
42	Optimization of Cu and Mn Dissolution from Black Coppers by Means of an Agglomerate and Curing Pretreatment. Metals, 2020, 10, 657.	1.0	6
43	Analysis of sodium polyacrylate as a rheological modifier for kaolin suspensions in seawater. Applied Clay Science, 2019, 183, 105328.	2.6	11
44	Analysis of Silica Pulp Viscoelasticity in Saline Media: The Effect of Cation Size. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	0.8	10
45	Viscoelasticity of Quartz and Kaolin Slurries in Seawater: Importance of Magnesium Precipitates. Metals, 2019, 9, 1120.	1.0	13
46	Copper Tailing Flocculation in Seawater: Relating the Yield Stress with Fractal Aggregates at Varied Mixing Conditions. Metals, 2019, 9, 1295.	1.0	16
47	Leaching Manganese Nodules in an Acid Medium and Room Temperature Comparing the Use of Different Fe Reducing Agents. Metals, 2019, 9, 1316.	1.0	20