

# Pedro A Robles

## List of Publications by Year in descending order

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47  
papers

581  
citations

687220

13  
h-index

713332

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g-index

49  
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49  
docs citations

49  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Understanding the flocculation mechanism of quartz and kaolinite with polyacrylamide in seawater: A molecular dynamics approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 608, 125576.	2.3	34
4	Leaching manganese nodules with iron-reducing agents — A critical review. <i>Minerals Engineering</i> , 2021, 163, 106748.	1.8	24
5	Environmental, economic and technological factors affecting Chilean copper smelters — A critical review. <i>Journal of Materials Research and Technology</i> , 2021, 15, 213-225.	2.6	23
6	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
7	Leaching Chalcopyrite with an Imidazolium-Based Ionic Liquid and Bromide. <i>Metals</i> , 2020, 10, 183.	1.0	20
8	Partial seawater desalination treatment for improving chalcopyrite floatability and tailing flocculation with clay content. <i>Minerals Engineering</i> , 2020, 151, 106307.	1.8	19
9	Leaching Chalcopyrite with High MnO <sub>2</sub> and Chloride Concentrations. <i>Metals</i> , 2020, 10, 107.	1.0	18
10	Statistical Study for Leaching of Covellite in a Chloride Media. <i>Metals</i> , 2020, 10, 477.	1.0	18
11	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
12	Depression of Pyrite in Seawater Flotation by Guar Gum. <i>Metals</i> , 2020, 10, 239.	1.0	17
13	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
14	Viscoelasticity of Quartz and Kaolin Slurries in Seawater: Importance of Magnesium Precipitates. <i>Metals</i> , 2019, 9, 1120.	1.0	13
15	Analysis of the flocculation process of fine tailings particles in saltwater through a population balance model. <i>Separation and Purification Technology</i> , 2020, 237, 116319.	3.9	13
16	Submarine Tailings in Chile—A Review. <i>Metals</i> , 2021, 11, 780.	1.0	12
17	Analysis of sodium polyacrylate as a rheological modifier for kaolin suspensions in seawater. <i>Applied Clay Science</i> , 2019, 183, 105328.	2.6	11
18	Reducing-Effect of Chloride for the Dissolution of Black Copper. <i>Metals</i> , 2020, 10, 123.	1.0	11

#	ARTICLE	IF	CITATIONS
19	Improved dispersion of clay-rich tailings in seawater using sodium polyacrylate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 126015.	2.3	11
20	Molecular Dynamics Study of the Conformation, Ion Adsorption, Diffusion, and Water Structure of Soluble Polymers in Saline Solutions. <i>Polymers</i> , 2021, 13, 3550.	2.0	11
21	Copper Mineral Leaching Mathematical Models—A Review. <i>Materials</i> , 2022, 15, 1757.	1.3	11
22	Analysis of Silica Pulp Viscoelasticity in Saline Media: The Effect of Cation Size. <i>Minerals (Basel)</i> , 2022, 12, 1025.	0.8	10
23	Thermodynamic Behavior of the Phase Equilibrium of Ethyl Acetate + Ethanol + Water Systems at Atmospheric Pressure: Experiment and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 1402-1410.	1.0	10
24	A Decision Support System for Changes in Operation Modes of the Copper Heap Leaching Process. <i>Metals</i> , 2021, 11, 1025.	1.0	10
25	Leaching of Pure Chalcocite with Reject Brine and MnO <sub>2</sub> from Manganese Nodules. <i>Metals</i> , 2020, 10, 1426.	1.0	9
26	Describing Mining Tailing Flocculation in Seawater by Population Balance Models: Effect of Mixing Intensity. <i>Metals</i> , 2020, 10, 240.	1.0	9
27	Describing the adsorption of sodium tripolyphosphate on kaolinite surfaces in a saline medium by molecular dynamics. <i>Minerals Engineering</i> , 2022, 175, 107280.	1.8	8
28	Comparative Study of MnO <sub>2</sub> Dissolution from Black Copper Minerals and Manganese Nodules in an Acid Medium. <i>Metals</i> , 2021, 11, 817.	1.0	7
29	Polyacrylic Acid to Improve Flotation Tailings Management: Understanding the Chemical Interactions through Molecular Dynamics. <i>Metals</i> , 2021, 11, 987.	1.0	7
30	Gangues and Clays Minerals as Rate-Limiting Factors in Copper Heap Leaching: A Review. <i>Metals</i> , 2021, 11, 1539.	1.0	7
31	Impact of hydrodynamic conditions on the structure of clay-based tailings aggregates flocculated in freshwater and seawater. <i>Minerals Engineering</i> , 2022, 176, 107313.	1.8	7
32	Use of Alternative Water Resources in Copper Leaching Processes in Chilean Mining Industry—A Review. <i>Metals</i> , 2022, 12, 445.	1.0	7
33	Analysis of the Dynamics of Rougher Cells on the Basis of Phenomenological Models and Discrete Event Simulation Framework. <i>Metals</i> , 2021, 11, 1454.	1.0	6
34	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
35	Flocculation of Clay-Based Tailings: Differences of Kaolin and Sodium Montmorillonite in Salt Medium. <i>Materials</i> , 2022, 15, 1156.	1.3	6
36	Reducing the Magnesium Content from Seawater to Improve Tailing Flocculation: Description by Population Balance Models. <i>Metals</i> , 2020, 10, 329.	1.0	5

#	ARTICLE	IF	CITATIONS
37	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
38	Sequestration of light hydrocarbons in Ionic Liquids at high-pressures: Consistency and thermodynamic modeling. Fluid Phase Equilibria, 2021, 546, 113119.	1.4	5
39	Leaching of Pure Chalcocite in a Chloride Media Using Waste Water at High Temperature. Metals, 2020, 10, 384.	1.0	4
40	Improving the Flocculation Performance of Clay-Based Tailings in Seawater: A Population Balance Modelling Approach. Minerals (Basel, Switzerland), 2020, 10, 782.	0.8	3
41	Use of Multi-Anionic Sodium Tripolyphosphate to Enhance Dispersion of Concentrated Kaolin Slurries in Seawater. Metals, 2021, 11, 1085.	1.0	3
42	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
43	Estimating the Shear Resistance of Flocculated Kaolin Aggregates: Effect of Flocculation Time, Flocculant Dose, and Water Quality. Polymers, 2022, 14, 1381.	2.0	3
44	A Criterion for Estimating the Strength of Flocculated Aggregates in Salt Solutions. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	1
45	Lime/Sodium Carbonate Treated Seawater to Improve Flocculation and Sedimentation of Clay-Based Tailings. Polymers, 2021, 13, 4108.	2.0	1
46	Study of Molybdenite Floatability: Effect of Clays and Seawater. Materials, 2022, 15, 1136.	1.3	0
47	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