

Luis A Cisternas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Current Status of the Effect of Seawater Ions on Copper Flotation: Difficulties, Opportunities, and Industrial Experience. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2022, 43, 545-563.	2.6	14
2	Toward the Implementation of Circular Economy Strategies: An Overview of the Current Situation in Mineral Processing. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2022, 43, 775-797.	2.6	25
3	Impact of seawater desalination and wastewater treatment on water stress levels and greenhouse gas emissions: The case of Chile. <i>Science of the Total Environment</i> , 2022, 818, 151853.	3.9	17
4	Estimating processing cost for the recovery of valuable elements from mine tailings using dimensional analysis. <i>Minerals Engineering</i> , 2022, 184, 107629.	1.8	17
5	Control Structure Design Using Global Sensitivity Analysis for Mineral Processes under Uncertainties. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 736.	0.8	1
6	A short note on the application of the Cisternas-Lam vapor pressure model for liquid desiccant dehumidifier systems. <i>International Journal of Refrigeration</i> , 2022, , .	1.8	0
7	Modeling of the Complex Behavior through an Improved Response Surface Methodology. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021, 42, 285-311.	2.6	13
8	Potential of Tailing Deposits in Chile for the Sequestration of Carbon Dioxide Produced by Power Plants Using Ex-Situ Mineral Carbonation. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 320.	0.8	10
9	Feasibility of re-processing mine tailings to obtain critical raw materials using real options analysis. <i>Journal of Environmental Management</i> , 2021, 284, 112060.	3.8	47
10	On the use of Na_2SO_3 as a pyrite depressant in saline systems and the presence of kaolinite. <i>Physicochemical Problems of Mineral Processing</i> , 2021, 57, 168-179.	0.2	4
11	Development of a grinding model based on flotation performance. <i>Minerals Engineering</i> , 2021, 166, 106890.	1.8	8
12	Toward the Operability of Flotation Systems under Uncertainty. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 646.	0.8	1
13	Use of real options to enhance water-energy nexus in mine tailings management. <i>Applied Energy</i> , 2021, 303, 117626.	5.1	22
14	New insights related to the flotation of covellite in porphyry ores. <i>Minerals Engineering</i> , 2021, 174, 107242.	1.8	6
15	Sustainable Development Goals in Mine Tailings Management: Targets and Indicators. , 2021, 5, .		6
16	Trends in Modeling, Design, and Optimization of Multiphase Systems in Minerals Processing. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 22.	0.8	27
17	Effects of Potassium Propyl Xanthate Collector and Sodium Sulfite Depressant on the Floatability of Chalcopyrite in Seawater and KCl Solutions. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 991.	0.8	8
18	Assessment of the Supply Chain under Uncertainty: The Case of Lithium. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 604.	0.8	16

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19	Use of Radial Basis Function Network to Predict Optimum Calcium and Magnesium Levels in Seawater and Application of Pretreated Seawater by Biomineralization as Crucial Tools to Improve Copper Tailings Flocculation. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 676.	0.8	5
20	Partial seawater desalination treatment for improving chalcopyrite floatability and tailing flocculation with clay content. <i>Minerals Engineering</i> , 2020, 151, 106307.	1.8	19
21	The effect of regrinding on the design of flotation circuits. <i>Minerals Engineering</i> , 2020, 156, 106524.	1.8	6
22	Partial desalination of seawater for mining processes through a fluidized bed bioreactor filled with immobilized cells of <i>Bacillus subtilis</i> LN8B. <i>Desalination</i> , 2020, 482, 114388.	4.0	15
23	Some limitations and disadvantages of linear circuit analysis. <i>Minerals Engineering</i> , 2020, 149, 106231.	1.8	2
24	Editorial for Special Issue "Modeling, Design and Optimization of Multiphase Systems in Minerals Processing". <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 134.	0.8	3
25	Towards mine tailings valorization: Recovery of critical materials from Chilean mine tailings. <i>Journal of Cleaner Production</i> , 2020, 263, 121555.	4.6	74
26	An LS-SVM classifier based methodology for avoiding unwanted responses in processes under uncertainties. <i>Computers and Chemical Engineering</i> , 2020, 138, 106860.	2.0	6
27	Comment on "Measurements of Vapor Pressures of Aqueous Solutions in the NaCl-KCl-H ₂ O System from 493.15 to 693.25 K in a Fused Silica Capillary High-Pressure Optical Cell". <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5062-5063.	1.0	2
28	Pourbaix diagrams for copper ores processing with seawater. <i>Physicochemical Problems of Mineral Processing</i> , 2020, 56, 624-640.	0.2	6
29	Current and Future Global Lithium Production Till 2025. <i>Open Chemical Engineering Journal</i> , 2020, 14, 36-51.	0.4	2
30	Corrigendum to "Applying a multi-objective optimization approach in designing water supply systems for mining industries. The case of Chile". <i>Clean. Prod.</i> 210 (2019) 994-1004]. <i>Journal of Cleaner Production</i> , 2019, 232, 1531.	4.6	0
31	The effect of clay minerals on the process of flotation of copper ores - A critical review. <i>Applied Clay Science</i> , 2019, 170, 57-69.	2.6	45
32	Heat-Assisted Batch Settling of Mineral Suspensions in Inclined Containers. <i>Minerals (Basel)</i> , 2020, 10, 106307.	0.8	6
33	Design of Flotation Circuits Using Tabu-Search Algorithms: Multispecies, Equipment Design, and Profitability Parameters. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 181.	0.8	14
34	Using Partial Desalination Treatment To Improve the Recovery of Copper and Molybdenum Minerals in the Chilean Mining Industry. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8915-8922.	1.8	15
35	Decision-support framework for the environmental assessment of water treatment systems. <i>Journal of Cleaner Production</i> , 2019, 225, 599-609.	4.6	17
36	Applying a multi-objective optimization approach in designing water supply systems for mining industries. The case of Chile. <i>Journal of Cleaner Production</i> , 2019, 210, 994-1004.	4.6	40

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37	Improving milling operation using uncertainty and global sensitivity analyses. Minerals Engineering, 2019, 131, 249-261.	1.8	15
38	Modeling the effect of air flow, impeller speed, frother dosages, and salt concentrations on the bubbles size using response surface methodology. Minerals Engineering, 2019, 132, 142-148.	1.8	12
39	Optimization Approach to Designing Water Supply Systems in Non-Coastal Areas Suffering from Water Scarcity. Water Resources Management, 2018, 32, 2457-2473.	1.9	22
40	The use of seawater in mining. Mineral Processing and Extractive Metallurgy Review, 2018, 39, 18-33.	2.6	104
41	A quasi-review of conceptual flotation design methods based on computational optimization. Minerals Engineering, 2018, 117, 24-33.	1.8	23
42	Two-phase optimization methodology for the design of mineral flotation plants, including multispecies and bank or cell models. Minerals and Metallurgical Processing, 2018, 35, 24-34.	0.7	3
43	Metal Removal from Acid Waters by an Endemic Microalga from the Atacama Desert for Water Recovery. Minerals (Basel, Switzerland), 2018, 8, 378.	0.8	6
44	A MINLP model to design desalinated water supply systems including solar energy as an energy source. Computer Aided Chemical Engineering, 2018, 44, 1687-1692.	0.3	2
45	Influence of epistemic uncertainty in the selection of flowsheet structures. Computer Aided Chemical Engineering, 2018, , 199-204.	0.3	1
46	A Posteriori Analysis of Analytical Models for Heap Leaching Using Uncertainty and Global Sensitivity Analyses. Minerals (Basel, Switzerland), 2018, 8, 44.	0.8	23
47	Design of Desalinated Water Distribution Networks: Complex Topography, Energy Production, and Parallel Pipelines. Industrial & Engineering Chemistry Research, 2018, 57, 9879-9888.	1.8	13
48	Scaling problems and control technologies in industrial operations: Technology assessment. Separation and Purification Technology, 2018, 207, 20-27.	3.9	15
49	Bioprospecting of Ureolytic Bacteria From Laguna Salada for Biomineralization Applications. Frontiers in Bioengineering and Biotechnology, 2018, 6, 209.	2.0	20
50	A Methodology For Design And Operation Of Heap Leaching Systems. Mineral Processing and Extractive Metallurgy Review, 2017, 38, 180-192.	2.6	8
51	Application of House of Quality in assessment of seawater pretreatment technologies. Journal of Cleaner Production, 2017, 148, 223-232.	4.6	24
52	The impact of seawater with calcium and magnesium removal for the flotation of copper-molybdenum sulphide ores. Minerals Engineering, 2017, 109, 10-13.	1.8	71
53	A methodology for the conceptual design of flotation circuits by combining group contribution, local/global sensitivity analysis, and reverse simulation. International Journal of Mineral Processing, 2017, 164, 56-66.	2.6	13
54	Dissolution Model of Multiple Species: Leaching of Highly Soluble Minerals. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 1817-1826.	1.0	3

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55	Biom mineralization of calcium and magnesium crystals from seawater by halotolerant bacteria isolated from Atacama Salar (Chile). <i>Desalination</i> , 2017, 405, 1-9.	4.0	48
56	Heap Leaching of Caliche Ore. Modeling of a Multicomponent System with Particle Size Distribution. <i>Minerals</i> (Basel, Switzerland), 2017, 7, 180.	0.8	9
57	Biom mineralization Mediated by Ureolytic Bacteria Applied to Water Treatment: A Review. <i>Crystals</i> , 2017, 7, 345.	1.0	40
58	Design of desalinated water distribution networks including energy recovery devices. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 925-930.	0.3	7
59	LEACHING OF COARSE CALICHE ORE. EXPERIMENT AND MODELLING. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 105-114.	0.7	2
60	Mineral Concentration Plants Design Using Rigorous Models. <i>Computer Aided Chemical Engineering</i> , 2016, , 1461-1466.	0.3	5
61	Conceptual process design for Boric Acid: A case study for engineering education. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 1437-1442.	0.3	2
62	Effect of Seawater on Sulfide Ore Flotation: A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 369-384.	2.6	88
63	Modeling of liquid-liquid equilibrium for binary and ternary systems containing ionic liquids with the hexafluorophosphate anion using the ASOG method. <i>Fluid Phase Equilibria</i> , 2016, 429, 119-126.	1.4	2
64	A strategy for the identification of optimal flotation circuits. <i>Minerals Engineering</i> , 2016, 96-97, 157-167.	1.8	22
65	Sea water vapor pressure based on the Cisternas "Lam model. <i>Desalination and Water Treatment</i> , 2016, 57, 23651-23660.	1.0	3
66	Global Sensitivity Analysis of Reverse Osmosis Processes. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 1443-1448.	0.3	0
67	Study of the natural floatability of molybdenite fines in saline solutions and effect of gypsum precipitation. <i>Mining, Metallurgy and Exploration</i> , 2015, 32, 203-208.	0.4	16
68	Isolation and Selection of Halophilic Ureolytic Bacteria for Biocementation of Calcium and Magnesium from Seawater. <i>Advanced Materials Research</i> , 2015, 1130, 489-492.	0.3	3
69	A new group contribution method for mineral concentration processes. <i>Computers and Chemical Engineering</i> , 2015, 74, 28-33.	2.0	3
70	Simultaneous Design of Desalination Plants and Distribution Water Network. <i>Computer Aided Chemical Engineering</i> , 2015, 37, 1193-1198.	0.3	9
71	Correlation of liquid-liquid equilibrium for binary and ternary systems containing ionic liquids with the tetrafluoroborate anion using ASOG. <i>Fluid Phase Equilibria</i> , 2015, 404, 42-48.	1.4	3
72	Prediction of (liquid+liquid) equilibrium for binary and ternary systems containing ionic liquids with the bis[(trifluoromethyl)sulfonyl]imide anion using the ASOG method. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 1-7.	1.0	4

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73	Solution strategies to the stochastic design of mineral flotation plants. Chemical Engineering Science, 2015, 134, 850-860.	1.9	23
74	Global sensitivity analysis for identifying critical process design decisions. Chemical Engineering Research and Design, 2015, 103, 74-83.	2.7	21
75	Retrofitting of Concentration Plants Using Global Sensitivity Analysis. Computer Aided Chemical Engineering, 2015, 37, 311-316.	0.3	1
76	Use of discharged brine from reverse osmosis plant in heap leaching: Opportunity for caliche mining industry. Hydrometallurgy, 2015, 155, 61-68.	1.8	10
77	Approximate recovery values for each stage are sufficient to select the concentration circuit structures. Minerals Engineering, 2015, 83, 175-184.	1.8	18
78	The effects of stage recovery uncertainty in the performance of concentration circuits. International Journal of Mineral Processing, 2015, 143, 12-17.	2.6	7
79	The Effect of Stage Recovery Uncertainties on the Selection of Process Structures. Computer Aided Chemical Engineering, 2014, , 315-320.	0.3	3
80	Solution Strategies to Stochastic Design of Mineral Flotation Plants. Computer Aided Chemical Engineering, 2014, , 339-344.	0.3	0
81	Effect of the objective function in the design of concentration plants. Minerals Engineering, 2014, 63, 16-24.	1.8	33
82	Technical economic feasibility study of the installation of biodiesel from microalgae crops in the Atacama Desert of Chile. Fuel Processing Technology, 2014, 125, 267-276.	3.7	20
83	The use of global sensitivity analysis for improving processes: Applications to mineral processing. Computers and Chemical Engineering, 2014, 66, 221-232.	2.0	31
84	A methodology for the conceptual design of concentration circuits: Group contribution method. Computers and Chemical Engineering, 2014, 63, 173-183.	2.0	12
85	Optimal design and planning of heap leaching process. Application to copper oxide leaching. Chemical Engineering Research and Design, 2014, 92, 308-317.	2.7	19
86	Optimization of dewatering systems for mineral processing. Minerals Engineering, 2014, 63, 110-117.	1.8	33
87	Modeling validation of caliche ore leaching using seawater. International Journal of Mineral Processing, 2014, 126, 10-17.	2.6	9
88	International Programming Committee. Computer Aided Chemical Engineering, 2014, 34, xvi-xvii.	0.3	0
89	Seawater leaching of caliche mineral in column experiments. Hydrometallurgy, 2013, 139, 79-87.	1.8	26
90	Global sensitivity analysis of a mineral processing flowsheet. Computer Aided Chemical Engineering, 2013, 32, 913-918.	0.3	10

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91	Methodology for process analysis and design with multiple objectives under uncertainty: Application to flotation circuits. International Journal of Mineral Processing, 2013, 118, 15-27.	2.6	18
92	Arsenic-rejection flotation circuit design and selection based on a multiple-objective evaluation. Minerals Engineering, 2013, 45, 22-31.	1.8	13
93	Particle Size Effect on the Efficient Use of Water and Energy in Mineral Concentration Processes. Industrial & Engineering Chemistry Research, 2013, 52, 17686-17690.	1.8	13
94	Optimal design of a solid-liquid separation system. Computer Aided Chemical Engineering, 2013, 32, 907-912.	0.3	1
95	A Novel Method for Designing Flotation Circuits. Computer Aided Chemical Engineering, 2012, , 622-626.	0.3	0
96	DENSITY ESTIMATION OF AMMONIUM-BASED IONIC LIQUIDS. Chemical Engineering Communications, 2012, 199, 283-289.	1.5	5
97	Design of Flotation Circuits Including Uncertainty and Water Efficiency. Computer Aided Chemical Engineering, 2012, , 1277-1281.	0.3	10
98	Stochastic analysis of heap leaching process via analytical models. Minerals Engineering, 2012, 33, 93-98.	1.8	15
99	Heap leaching of caliche minerals: Phenomenological and analytical models – Some comparisons. Minerals Engineering, 2012, 33, 46-53.	1.8	17
100	Water and Energy Use in Mineral Processing. Computer Aided Chemical Engineering, 2012, 30, 627-631.	0.3	1
101	A posteriori analysis of analytical models for heap leaching. Mining, Metallurgy and Exploration, 2012, 29, 103-112.	0.4	1
102	Sensitivity analysis of separation circuits. International Journal of Mineral Processing, 2012, 110-111, 30-45.	2.6	16
103	Melting-Point Estimation of Ionic Liquids by a Group Contribution Method. International Journal of Thermophysics, 2012, 33, 34-46.	1.0	40
104	On the optimization of flow rates on copper heap leaching operations. International Journal of Mineral Processing, 2011, 101, 75-80.	2.6	19
105	On scalable analytical models for heap leaching. Computers and Chemical Engineering, 2011, 35, 220-225.	2.0	32
106	A method for the design and planning operations of heap leaching circuits. Computer Aided Chemical Engineering, 2011, , 306-310.	0.3	1
107	Separation Circuits Analysis and Design, Using Sensitivity Analysis. Computer Aided Chemical Engineering, 2011, 29, 246-250.	0.3	3
108	Planning and scheduling of salt harvest in solar evaporation ponds. Computers and Chemical Engineering, 2010, 34, 620-630.	2.0	13

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109	A Group Contribution Method for Mineral Flotation Circuit Design. Computer Aided Chemical Engineering, 2009, 27, 1065-1070.	0.3	0
110	State of the art in the conceptual design of flotation circuits. International Journal of Mineral Processing, 2009, 90, 1-15.	2.6	46
111	An analytical model approach to heap leaching. Hydrometallurgy, 2009, 95, 33-38.	1.8	38
112	Modeling of grinding and classification circuits as applied to the design of flotation processes. Computers and Chemical Engineering, 2009, 33, 97-111.	2.0	29
113	Planning and Scheduling of Solar Salt Harvest. Computer Aided Chemical Engineering, 2009, 26, 417-422.	0.3	1
114	Mineral Processing Flow Sheet Design Through A Group Contribution Method. Computer Aided Chemical Engineering, 2009, 26, 213-218.	0.3	4
115	Sensitivity Assessment of Flotation Circuit to Uncertainty Using Monte Carlo Simulation. , 2009, , 679-687.		0
116	Thermodynamics of salt lake system: Representation, experiments, and visualization. AIChE Journal, 2008, 54, 706-727.	1.8	21
117	An analytical- numerical method for solving a heap leaching problem of one or more solid reactants from porous pellets. Computers and Chemical Engineering, 2008, 32, 2395-2402.	2.0	14
118	Saltpeper extraction and modelling of caliche mineral heap leaching. Hydrometallurgy, 2008, 90, 103-114.	1.8	36
119	On the optimization of heap leaching. Minerals Engineering, 2008, 21, 673-678.	1.8	47
120	An analytical-numerical method for solving a heap leaching problem of one or more solid reactants from porous pellets. Computer Aided Chemical Engineering, 2008, , 877-882.	0.3	1
121	Applications of grey programming to process design. Computer Aided Chemical Engineering, 2008, , 671-676.	0.3	6
122	A model of grinding-classification circuit including particles size distribution and liberation of material: Application to the design and retrofit of flotation circuit. Computer Aided Chemical Engineering, 2007, 24, 491-496.	0.3	2
123	Nature of Chemical Products. Computer Aided Chemical Engineering, 2007, , 459-472.	0.3	4
124	Process Design for Drowning-Out Crystallization of Lithium Hydroxide Monohydrate. Chemical Engineering Research and Design, 2007, 85, 1325-1330.	2.7	9
125	Principles for chemical products design. Computer Aided Chemical Engineering, 2006, 21, 1107-1112.	0.3	4
126	A MILP model for design of flotation circuits with bank/column and regrind/no regrind selection. International Journal of Mineral Processing, 2006, 79, 253-263.	2.6	35

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127	On the design of crystallization-based separation processes: Review and extension. <i>AICHE Journal</i> , 2006, 52, 1754-1769.	1.8	41
128	An ASCEND library for the modeling, simulation and optimization of solvent extraction for metal recovery. <i>Computer Aided Chemical Engineering</i> , 2005, 20, 403-408.	0.3	1
129	Design of Alternative Purification Processes for Potassium Sulfate. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5845-5851.	1.8	5
130	A MILP model for the design of mineral flotation circuits. <i>International Journal of Mineral Processing</i> , 2004, 74, 121-131.	2.6	26
131	Design of solvent extraction circuit schemes. <i>Hydrometallurgy</i> , 2004, 74, 19-38.	1.8	8
132	Flowsheet synthesis of fractional crystallization processes with cake washing. <i>Computers and Chemical Engineering</i> , 2004, 28, 613-623.	2.0	11
133	Sodium Carbonate Extractive Crystallization with Poly(ethylene glycol) Equilibrium Data and Conceptual Process Design. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 835-838.	1.8	8
134	Design of separation schemes for fractional crystallization of metathetical salts. <i>AICHE Journal</i> , 2003, 49, 1731-1742.	1.8	11
135	Complete separation system synthesis of fractional crystallization processes. <i>Computer Aided Chemical Engineering</i> , 2003, 14, 83-88.	0.3	0
136	Separation system synthesis of fractional crystallization processes with heat integration. <i>Computers and Chemical Engineering</i> , 2001, 25, 595-602.	2.0	11
137	Optimal design of crystallization-based separation schemes. <i>AICHE Journal</i> , 1999, 45, 1477-1487.	1.8	32
138	On the synthesis of inorganic chemical and metallurgical processes, review and extension. <i>Minerals Engineering</i> , 1999, 12, 15-41.	1.8	13
139	Separation System Synthesis for Fractional Crystallization from Solution Using a Network Flow Model. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 2761-2769.	1.8	22
140	Process designs for fractional crystallization from solution. <i>Industrial & Engineering Chemistry Research</i> , 1993, 32, 1993-2005.	1.8	51
141	An analytic correlation for the vapour pressure of aqueous and non-aqueous solutions of single and mixed electrolytes. Part II. Application and extension. <i>Fluid Phase Equilibria</i> , 1991, 62, 11-27.	1.4	68
142	Binary interaction parameters in cubic equations of state for hydrogen-hydrocarbon mixtures. <i>Chemical Engineering Science</i> , 1990, 45, 49-54.	1.9	21
143	Temperature-dependent interaction parameters in cubic equations of state for nitrogen-containing mixtures. <i>Fluid Phase Equilibria</i> , 1990, 59, 195-205.	1.4	10
144	A analytic correlation of vapour pressure of aqueous and non-aqueous solutions of single and mixed electrolytes. <i>Fluid Phase Equilibria</i> , 1989, 53, 243-249.	1.4	42

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145	Effects of temperature on activity coefficients in aqueous electrolyte solutions. AICHE Journal, 1989, 35, 1215-1218.	1.8	2
146	A simple and accurate technique to obtain pure component parameters for three-parameter equations of state. Fluid Phase Equilibria, 1988, 39, 75-87.	1.4	1
147	Generalized interaction parameters in cubic equations of state for CO ₂ -n-alkane mixtures. Fluid Phase Equilibria, 1988, 40, 217-233.	1.4	25
148	On the choice of a third (and fourth) generalizing parameter for equations of state. Chemical Engineering Science, 1987, 42, 2957-2961.	1.9	14
149	Application of a new cubic equation of state to hydrogen sulfide mixtures. Chemical Engineering Science, 1987, 42, 2935-2940.	1.9	11
150	A cubic equation of state for polar and other complex mixtures. Fluid Phase Equilibria, 1986, 29, 431-438.	1.4	41
151	Innovative Solutions for Seawater Use in Mining Operations. , 0, , .		2
152	Modeling the calcium and magnesium removal from seawater by immobilized biomass of ureolytic bacteria Bacillus subtilis through response surface methodology and artificial neural networks. , 0, 118, 294-303.		4
153	Current situation and major challenges of desalination in Chile. , 0, 171, 93-104.		27