

Leandro R De Lemos

List of Publications by Year in descending order

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40
papers

1,062
citations

394421

19
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous two-phase systems: An efficient, environmentally safe and economically viable method for purification of natural dye carmine. <i>Journal of Chromatography A</i> , 2009, 1216, 7623-7629.	3.7	84
2	Copper recovery from ore by liquid-liquid extraction using aqueous two-phase system. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 209-214.	12.4	61
3	Hydrometallurgical separation of copper and cobalt from lithium-ion batteries using aqueous two-phase systems. <i>Hydrometallurgy</i> , 2017, 169, 245-252.	4.3	60
4	Application of hydrophobic extractant in aqueous two-phase systems for selective extraction of cobalt, nickel and cadmium. <i>Journal of Chromatography A</i> , 2013, 1279, 13-19.	3.7	59
5	Green selective recovery of lanthanum from Ni-MH battery leachate using aqueous two-phase systems. <i>Chemical Engineering Journal</i> , 2017, 322, 346-352.	12.7	59
6	Phase diagrams of aqueous two-phase systems formed by polyethylene glycol+ammonium sulfate+water: equilibrium data and thermodynamic modeling. <i>Fluid Phase Equilibria</i> , 2015, 406, 61-69.	2.5	51
7	Phase Compositions of Aqueous Two-Phase Systems Formed by L35 and Salts at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1193-1199.	1.9	46
8	A green and sensitive method to determine phenols in water and wastewater samples using an aqueous two-phase system. <i>Talanta</i> , 2010, 80, 1139-1144.	5.5	46
9	Partition study of textile dye Remazol Yellow Gold RNL in aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2015, 391, 1-8.	2.5	46
10	A method for dye extraction using an aqueous two-phase system: Effect of co-occurrence of contaminants in textile industry wastewater. <i>Journal of Environmental Management</i> , 2016, 183, 196-203.	7.8	46
11	Liquid-liquid equilibrium of aqueous two-phase systems composed of poly(ethylene oxide) 1500 and different electrolytes ((NH ₄) ₂ SO ₄ , ZnSO ₄ and K ₂ HPO ₄): Experimental and correlation. <i>Fluid Phase Equilibria</i> , 2011, 305, 19-24.	2.5	44
12	Phase diagram and thermodynamic modeling of PEO+organic salts+H ₂ O and PPO+organic salts+H ₂ O aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2011, 305, 1-8.	2.5	41
13	Green separation of copper and zinc using triblock copolymer aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2013, 115, 107-113.	7.9	41
14	Separation of cobalt and nickel in leach solutions of spent nickel-metal hydride batteries using aqueous two-phase systems (ATPS). <i>Hydrometallurgy</i> , 2018, 181, 180-188.	4.3	38
15	Hydrometallurgical recovery of Zn(II) and Mn(II) from alkaline batteries waste employing aqueous two-phase system. <i>Separation and Purification Technology</i> , 2019, 210, 327-334.	7.9	33
16	Application of aqueous two-phase system for selective extraction and clean-up of emerging contaminants from aqueous matrices. <i>Talanta</i> , 2021, 223, 121697.	5.5	31
17	Liquid-liquid extraction of rare earth elements using systems that are more environmentally friendly: Advances, challenges and perspectives. <i>Separation and Purification Technology</i> , 2022, 282, 120064.	7.9	27
18	Selective separation of Cu, Ni and Ag from printed circuit board waste using an environmentally safe technique. <i>Journal of Environmental Management</i> , 2018, 226, 76-82.	7.8	22

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19	Application of aqueous two-phase systems for the extraction of pharmaceutical compounds from water samples. <i>Journal of Molecular Liquids</i> , 2020, 301, 112411.	4.9	22
20	Aqueous two-phase systems: a new approach for the determination of p-aminophenol. <i>Journal of Hazardous Materials</i> , 2011, 192, 292-8.	12.4	19
21	Thermodynamic Investigation of the Aqueous Two-Phase Systems Formed by PEG 400 + Water + Either Sodium Carbonate or Potassium Carbonate at Different Temperatures: Experimental and Correlational Approaches. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 448-458.	1.9	19
22	Extraction of arsenic(III) in aqueous two-phase systems: A new methodology for determination and speciation analysis of inorganic arsenic. <i>Microchemical Journal</i> , 2019, 147, 429-436.	4.5	17
23	Liquid-Liquid Equilibrium of Aqueous Two-Phase Systems Composed of Nonionic Surfactant (Triton) Tj ETQq1 1 0.784314 rgBT /Over 2019, 64, 1632-1639.	1.9	17
24	Use of aqueous two-phase PEG-salt systems for the removal of anionic surfactant from effluents. <i>Journal of Environmental Management</i> , 2017, 198, 43-49.	7.8	15
25	Aqueous two-phase systems formed by different phase-forming components: Equilibrium diagrams and dye partitioning study. <i>Fluid Phase Equilibria</i> , 2020, 520, 112664.	2.5	15
26	Extraction of yttrium from fluorescent lamps employing multivariate optimization in aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2020, 242, 116791.	7.9	14
27	Equilibrium phase behavior of aqueous two-phase system formed by triblock copolymer+ sulfate salt+ water at different temperatures. <i>Fluid Phase Equilibria</i> , 2018, 478, 145-152.	2.5	13
28	Use of aqueous two-phase systems formed by Triton [®] and choline chloride for extraction of organic and inorganic arsenic. <i>Separation and Purification Technology</i> , 2021, 263, 118082.	7.9	12
29	Multivariate optimization of an aqueous two-phase extraction for determination of cadmium and manganese in food sample. <i>Microchemical Journal</i> , 2020, 159, 105458.	4.5	11
30	Monosegmented Flow Analysis Exploiting Aqueous Two-phase Systems for the Determination of Cobalt. <i>Analytical Sciences</i> , 2012, 28, 1213-1218.	1.6	10
31	Purification, Selection, and Partition Coefficient of Highly Oxidized Carbon Dots in Aqueous Two-Phase Systems Based on Polymer-Salt Pairs. <i>Langmuir</i> , 2017, 33, 12235-12243.	3.5	10
32	Partitioning of salicylic and acetylsalicylic acids by aqueous two-phase systems: Mechanism aspects and optimization study. <i>Journal of Molecular Liquids</i> , 2019, 296, 111775.	4.9	10
33	Phase Diagrams, Densities, and Refractive Indexes of Aqueous Two-Phase Systems Comprising (F68, L64,) Tj ETQq1 1 0.784314 rgBT /Over of Macromolecule. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1991-1998.	1.9	6
34	Lycopene partition in new aqueous two-phase systems. <i>Journal of Molecular Liquids</i> , 2021, 339, 116755.	4.9	5
35	Separation of Cd(II), Cu(II) and zinc sulfate from waste produced in zinc hydrometallurgy cementation. <i>Separation Science and Technology</i> , 2021, 56, 1360-1369.	2.5	4
36	Application of a macromolecular micellar system formed by the P123 triblock copolymer for determination of copper concentrations. <i>Open Chemistry</i> , 2010, 8, 258-263.	1.9	2

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37	Thermodynamics Investigation of Partition Behavior of Uric Acid in Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3627-3636.	1.9	2
38	Extraction of estrogen hormones from water samples using an aqueous two-phase system: A new approach for sample preparation in the analysis of emerging contaminants. <i>Microchemical Journal</i> , 2021, 166, 106231.	4.5	2
39	MONITORAMENTO DA COMPOSIÇÃO EM ESTERES DO BIODIESEL DO ÓLEO DE AMÊNDOA DA MACAËBA (<i>Acrocomia aculeata</i> (Jacq.) Lodd. ex Mart.) EM CONTATO DIRETO COM O CARBONO E O CARBONO GALVANIZADO. <i>Quimica Nova</i> , 2019, , .	0.3	1
40	Aqueous three-phase systems formed by poly(vinylpyrrolidone)-poly(ethyleneglycol)-lithium sulfate-water: Phase behavior and partition data. <i>Journal of Molecular Liquids</i> , 2022, 355, 118959.	4.9	1