

Luis Henrique Mendes da Silva

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L-index

#	Paper	IF	Citations
122	Identification of 1,3-dialkylimidazolium salt supramolecular aggregates in solution. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4341-9	3.4	277
121	Calorimetric Investigation of the Formation of Aqueous Two-Phase Systems in Ternary Mixtures of Water, Poly(ethylene oxide) and Electrolytes (Or Dextran). <i>Journal of Physical Chemistry B</i> , 2000 , 104, 10069-10073	3.4	115
120	Separation of Cd and Ni from NiCd batteries by an environmentally safe methodology employing aqueous two-phase systems. <i>Journal of Power Sources</i> , 2009 , 193, 908-913	8.9	91
119	Liquid-Liquid extraction of metal ions without use of organic solvent. <i>Separation and Purification Technology</i> , 2008 , 62, 687-693	8.3	90
118	Liquid-Liquid Equilibria of an Aqueous Two-Phase System Containing Poly(ethylene) Glycol 1500 and Sulfate Salts at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 238-241	2.8	79
117	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, 7623-9	4.5	77
116	Adsorption of red azo dyes on multi-walled carbon nanotubes and activated carbon: A thermodynamic study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 529, 531-540	5.1	64
115	Investigations on the mechanism of aqueous solubility increase caused by some hydrotropes. <i>Thermochimica Acta</i> , 1999 , 328, 161-167	2.9	64
114	Equilibrium Data for PEG 4000 + Salt + Water Systems from (278.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 351-356	2.8	59
113	Hydrophobic effect on the partitioning of [Fe(CN) ₅ (NO)] ²⁻ and [Fe(CN) ₆] ³⁻ anions in aqueous two-phase systems formed by triblock copolymers and phosphate salts. <i>Separation and Purification Technology</i> , 2008 , 60, 103-112	8.3	59
112	Modeling adsorption of copper(II), cobalt(II) and nickel(II) metal ions from aqueous solution onto a new carboxylated sugarcane bagasse. Part II: Optimization of monocomponent fixed-bed column adsorption. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 431-445	9.3	54
111	Application of aqueous two-phase systems for the development of a new method of cobalt(II), iron(III) and nickel(II) extraction: a green chemistry approach. <i>Journal of Hazardous Materials</i> , 2011 , 193, 311-8	12.8	54
110	Trimellitated sugarcane bagasse: A versatile adsorbent for removal of cationic dyes from aqueous solution. Part I: Batch adsorption in a monocomponent system. <i>Journal of Colloid and Interface Science</i> , 2018 , 515, 172-188	9.3	52
109	A colorimetric biosensor for the detection of foodborne bacteria. <i>Sensors and Actuators B: Chemical</i> , 2011 , 153, 17-23	8.5	51
108	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, 13-9	4.5	50
107	Nitroprusside-PEO enthalpic interaction as a driving force for partitioning of the [Fe(CN) ₅ (NO)] ²⁻ anion in aqueous two-phase systems formed by poly(ethylene oxide) and sulfate salts. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23540-6	3.4	50
106	Liquid-Liquid Equilibria of Biphasic Systems Composed of Sodium Citrate + Polyethylene(glycol) 1500 or 4000 at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 895-899	2.8	49

105	Removal of Acid Green 68:1 from aqueous solutions by calcined and uncalcined layered double hydroxides. <i>Applied Clay Science</i> , 2013 , 80-81, 189-195	5.2	46
104	Copper recovery from ore by liquid-liquid extraction using aqueous two-phase system. <i>Journal of Hazardous Materials</i> , 2012 , 237-238, 209-14	12.8	46
103	A green and sensitive method to determine phenols in water and wastewater samples using an aqueous two-phase system. <i>Talanta</i> , 2010 , 80, 1139-44	6.2	46
102	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	2.8	45
101	Liquid-Liquid Phase Equilibrium of Triblock Copolymer L64, Poly(ethylene oxide-b-propylene oxide-b-ethylene oxide), with Sulfate Salts from (278.15 to 298.15) K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1894-1898	2.8	45
100	Liquid-Liquid Equilibrium of Aqueous Mixture of Triblock Copolymers L35 and F68 with Na ₂ SO ₄ , Li ₂ SO ₄ , or MgSO ₄ . <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 2260-2264	2.8	45
99	Cryogel Poly(acrylamide): Synthesis, Structure and Applications. <i>Separation and Purification Reviews</i> , 2014 , 43, 241-262	7.3	44
98	Hydrophobic interaction adsorption of whey proteins: effect of temperature and salt concentration and thermodynamic analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 844, 6-14	3.2	44
97	PEO-[M(CN)5NO](x-) (M = Fe, Mn, or Cr) interaction as a driving force in the partitioning of the pentacyanonitrosylmetallate anion in ATPS: strong effect of the central atom. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11669-78	3.4	42
96	Partitioning of caseinomacropeptide in aqueous two-phase systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 858, 205-10	3.2	42
95	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	40
94	Liquid-Liquid Equilibrium of Aqueous Two-Phase System Composed of Poly(ethylene glycol) 400 and Sulfate Salts. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1247-1251	2.8	40
93	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	39
92	Aqueous two-phase systems of copolymer L64+organic salt+water: Enthalpic L64 ⁺ salt interaction and Othmer ⁺ obias, NRTL and UNIFAC thermodynamic modeling. <i>Chemical Engineering Journal</i> , 2011 , 171, 9-15	14.7	38
91	Thermodynamic study of colorimetric transitions in polydiacetylene vesicles induced by the solvent effect. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13365-71	3.4	38
90	Phase Diagrams of Aqueous Two-Phase Systems with Organic Salts and F68 Triblock Copolymer at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1158-1165	2.8	38
89	Green separation of copper and zinc using triblock copolymer aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2013 , 115, 107-113	8.3	37
88	Liquid-Liquid Equilibria of an Aqueous Two-Phase System Formed by a Triblock Copolymer and Sodium Salts at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2891-2894	2.8	37

87	Control of Microbial Adhesion as a Strategy for Food and Bioprocess Technology. <i>Food and Bioprocess Technology</i> , 2010 , 3, 321-332	5.1	37
86	Equilibrium Phase Behavior of Triblock Copolymer + Salt + Water Two-Phase Systems at Different Temperatures and pH. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1457-1461	2.8	36
85	Thermodynamic and kinetic analyses of curcumin and bovine serum albumin binding. <i>Food Chemistry</i> , 2018 , 242, 505-512	8.5	31
84	Antimicrobial effects of silver nanoparticles against bacterial cells adhered to stainless steel surfaces. <i>Journal of Food Protection</i> , 2012 , 75, 701-5	2.5	31
83	Synthesis and application of a new carboxylated cellulose derivative. Part I: Removal of Co(2+), Cu(2+) and Ni(2+) from monocomponent spiked aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2016 , 483, 185-200	9.3	31
82	Thermodynamics and optimization of norbixin transfer processes in aqueous biphasic systems formed by polymers and organic salts. <i>Separation and Purification Technology</i> , 2012 , 98, 69-77	8.3	30
81	Adsorption of Chemically Modified Xylans on Eucalyptus Pulp and Its Effect on the Pulp Physical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 1138-1145	3.9	30
80	Green recovery of mercury from domestic and industrial waste. <i>Journal of Hazardous Materials</i> , 2016 , 304, 417-24	12.8	28
79	Polydiacetylene as a Biosensor: Fundamentals and Applications in the Food Industry. <i>Food and Bioprocess Technology</i> , 2010 , 3, 172-181	5.1	28
78	Liquid-Liquid Equilibrium of Aqueous Two-Phase Systems Containing Poly(ethylene) Glycol 4000 and Zinc Sulfate at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 919-922	2.8	28
77	Ovomucoid partitioning in aqueous two-phase systems. <i>Biochemical Engineering Journal</i> , 2009 , 47, 55-60	4.2	27
76	Application of the response surface methodology for optimization of whey protein partitioning in PEG/phosphate aqueous two-phase system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 1881-5	3.2	26
75	The effect of poly(ethylene glycol) on the activity and structure of glucose-6-phosphate dehydrogenase in solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002 , 26, 291-300	6	25
74	A novel micellar medium using triblock copolymer for cobalt determination. <i>Analytical Sciences</i> , 2005 , 21, 933-7	1.7	25
73	Binding thermodynamics of synthetic dye Allura Red with bovine serum albumin. <i>Food Chemistry</i> , 2017 , 217, 52-58	8.5	24
72	Density, Electrical Conductivity, Kinematic Viscosity, and Refractive Index of Binary Mixtures Containing Poly(ethylene glycol) 4000, Lithium Sulfate, and Water at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1567-1570	2.8	24
71	Synthesis and application of a new carboxylated cellulose derivative. Part III: Removal of auramine-O and safranin-T from mono- and bi-component spiked aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 575-590	9.3	24
70	Microcalorimetric and SAXS determination of PEO-SDS interactions: the effect of cosolutes formed by ions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11967-74	3.4	23

69	Equilibrium Phase Behavior for Ternary Mixtures of Poly(ethylene) Glycol 6000 + Water + Sulfate Salts at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2441-2443	2.8	23
68	Thermodynamic studies of partitioning behavior of lysozyme and conalbumin in aqueous two-phase systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2579-84	3.2	22
67	Sistema aquoso bifásico: uma alternativa eficiente para extração de ôns. <i>Quimica Nova</i> , 2006 , 29, 1332-1339	1.6	21
66	Phase diagrams, densities and refractive indexes of poly(ethylene oxide) + organic salts + water aqueous two-phase systems: Effect of temperature, anion and molar mass. <i>Fluid Phase Equilibria</i> , 2015 , 406, 70-76	2.5	20
65	Sistemas aquosos bifásicos: fundamentos e aplicações para partição/purificação de proteínas. <i>Quimica Nova</i> , 2006 , 29, 1345-1351	1.6	20
64	Thermodynamic and kinetic study of epigallocatechin-3-gallate-bovine lactoferrin complex formation determined by surface plasmon resonance (SPR): A comparative study with fluorescence spectroscopy. <i>Food Hydrocolloids</i> , 2019 , 95, 526-532	10.6	19
63	Aspectos coloidais da adesão de micro-organismos. <i>Quimica Nova</i> , 2010 , 33, 1940-1948	1.6	19
62	Aqueous two-phase systems: a new approach for the determination of p-aminophenol. <i>Journal of Hazardous Materials</i> , 2011 , 192, 292-8	12.8	19
61	Partitioning of β -lactalbumin and β -lactoglobulin from cheese whey in aqueous two-phase systems containing poly (ethylene glycol) and sodium polyacrylate. <i>Food and Bioproducts Processing</i> , 2014 , 92, 409-415	4.9	18
60	Surface Excess Enthalpy of PEO + Salt + Water and L35 + Salt + Water Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 531-535	2.8	18
59	Interfacial Tension and Viscosity for Poly(ethylene glycol) + Maltodextrin Aqueous Two-Phase Systems. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1144-1147	2.8	18
58	Microcalorimetric study of the adsorption of lactoferrin in supermacroporous continuous cryogel with immobilized Cu(2+) ions. <i>Journal of Chromatography A</i> , 2013 , 1312, 1-9	4.5	17
57	Equilibrium Phase Behavior of Triblock Copolymer + Sodium or + Potassium Hydroxides + Water Two-Phase Systems at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3847-3852	2.8	17
56	Liquid-Liquid Phase Equilibrium of Triblock Copolymer F68, Poly(ethylene oxide)-b-poly(propylene oxide)-b-poly(ethylene oxide), with Sulfate Salts. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1618-1622	2.8	17
55	Polydiacetylene/triblock copolymer nanosensor for the detection of native and free bovine serum albumin. <i>Materials Science and Engineering C</i> , 2017 , 70, 535-543	8.3	16
54	Adsorption isotherms and thermodynamics of β -lactalbumin on an anionic exchanger. <i>Fluid Phase Equilibria</i> , 2013 , 348, 39-44	2.5	16
53	Equilibrium Data of the Biphase System Poly(ethylene oxide) 4000 + Copper Sulfate + Water at (5, 10, 35, and 45) °C. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1571-1573	2.8	16
52	Influence of the temperature and type of salt on the phase equilibrium of peg 1500 + potassium phosphate and peg 1500 + sodium citrate aqueous two-phase systems. <i>Quimica Nova</i> , 2008 , 31, 209-213	1.6	16

51	Physicochemical Aspects of Chitosan Dispersibility in Acidic Aqueous Media: Effects of the Food Acid Counter-Anion. <i>Food Biophysics</i> , 2016 , 11, 388-399	3.2	16
50	Determination of driving forces for bovine serum albumin-Ponceau4R binding using surface plasmon resonance and fluorescence spectroscopy: A comparative study. <i>Food Hydrocolloids</i> , 2017 , 70, 29-35	10.6	15
49	Measurement and Correlation of the Phase Equilibrium of Aqueous Two-Phase Systems Composed of Polyethylene(glycol) 1500 or 4000 + Sodium Sulfite + Water at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 382-390	2.8	15
48	Aminated cellulose as a versatile adsorbent for batch removal of As(V) and Cu(II) from mono- and multicomponent aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 158-175	9.3	15
47	Interaction of cinnamic acid and methyl cinnamate with bovine serum albumin: A thermodynamic approach. <i>Food Chemistry</i> , 2017 , 237, 525-531	8.5	14
46	Phase Diagram, Densities, and the Refractive Index of New Aqueous Two-Phase System Formed by PEO1500 + Thiosulfate + H ₂ O at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 274-279	2.8	14
45	Microcalorimetric study of adsorption of glycomacropeptide on anion-exchange chromatography adsorbent. <i>Journal of Chromatography A</i> , 2009 , 1216, 4440-4	4.5	13
44	Liquid biphasic systems formed in ternary mixtures of two organic solvents and ethylene oxide oligomers or polymers. <i>Journal of the Brazilian Chemical Society</i> , 2000 , 11, 375-380	1.5	13
43	Human serum albumin-resveratrol complex formation: Effect of the phenolic chemical structure on the kinetic and thermodynamic parameters of the interactions. <i>Food Chemistry</i> , 2020 , 307, 125514	8.5	13
42	Kinetics and thermodynamics of bovine serum albumin interactions with Congo red dye. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 159, 737-742	6	12
41	Modification of stainless steel surface hydrophobicity by silver nanoparticles: strategies to prevent bacterial adhesion in the food processing. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2686-2695	2.8	11
40	Partitioning of glutenin flour of special wheat using aqueous two-phase systems. <i>Journal of Cereal Science</i> , 2010 , 52, 270-274	3.8	11
39	Equilibrium Data for Poly(propylene glycol) + Sucrose + Water and Poly(propylene Glycol) + Fructose + Water Systems from (15 to 45) °C. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1649-1652	2.8	11
38	Driving forces for chymosin partitioning on the macromolecule-salt aqueous two phase system. <i>Food and Bioproducts Processing</i> , 2016 , 100, 361-371	4.9	11
37	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part I: Removal of Co and Ni from single spiked aqueous solutions in batch mode using sugarcane bagasse cellulose succinate phthalate. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 678-691	9.3	11
36	A simple and inexpensive thermal optic nanosensor formed by triblock copolymer and polydiacetylene mixture. <i>Food Chemistry</i> , 2018 , 241, 358-363	8.5	10
35	Polydiacetylene/triblock copolymer nanoblend applied as a sensor for micellar casein: A thermodynamic approach. <i>Food Chemistry</i> , 2016 , 197, 841-7	8.5	10
34	Distribution and Quality of the Organic Matter in Light and Heavy Fractions of a Red Latosol under Different Uses and Management Practices. <i>Communications in Soil Science and Plant Analysis</i> , 2012 , 43, 835-846	1.5	10

33	Polydiacetylene/triblock copolymer/surfactant nanoblend: A simple and rapid method for the colorimetric screening of enrofloxacin residue. <i>Food Chemistry</i> , 2019 , 280, 1-7	8.5	10
32	Liquid-liquid equilibrium of the ternary ammonium salt + poly(propylene glycol) + water system. <i>Fluid Phase Equilibria</i> , 2017 , 442, 96-103	2.5	9
31	Insights into protein-curcumin interactions: Kinetics and thermodynamics of curcumin and lactoferrin binding. <i>Food Hydrocolloids</i> , 2020 , 105, 105825	10.6	9
30	Alternativas verdes para o preparo de amostra e determinação de poluentes fenólicos em água. <i>Química Nova</i> , 2010 , 33, 1370-1378	1.6	9
29	Monosegmented flow analysis exploiting aqueous two-phase systems for the determination of cobalt. <i>Analytical Sciences</i> , 2012 , 28, 1213-8	1.7	9
28	Partition of alpha-lactoalbumin and beta-lactoglobulin by cloud point extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 867, 189-93	3.2	9
27	Curcumin-micellar casein multisite interactions elucidated by surface plasmon resonance. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 860-866	7.9	8
26	Effect of 1-Butyl-3-methylimidazolium Halide on the Relative Stability between Sodium Dodecyl Sulfate Micelles and Sodium Dodecyl Sulfate-Poly(ethylene oxide) Nanoaggregates. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15758-68	3.4	8
25	Synthesis and application of sugarcane bagasse cellulose mixed esters. Part II: Removal of Co and Ni from single spiked aqueous solutions in batch and continuous mode. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 337-350	9.3	7
24	Energetic parameters of β -casein/quercetin activated and thermodynamically stable complex formation accessed by Surface Plasmon Resonance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 798-805	6	6
23	β -Casein monomers as potential flavonoids nanocarriers: Thermodynamics and kinetics of β -casein-naringin binding by fluorescence spectroscopy and surface plasmon resonance. <i>International Dairy Journal</i> , 2020 , 108, 104728	3.5	6
22	Temperature modulation of lutein-lysozyme hydrophobic-hydrophilic interaction balance. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113887	6	6
21	Depletion interactions and modulation of DNA-intercalators binding: Opposite behavior of the "neutral" polymer poly(ethylene-glycol). <i>Biopolymers</i> , 2016 , 105, 227-33	2.2	6
20	Lactoferrin denaturation induced by anionic surfactants: The role of the ferric ion in the protein stabilization. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 1039-1049	7.9	6
19	Doxorubicin hinders DNA condensation promoted by the protein bovine serum albumin (BSA). <i>Biopolymers</i> , 2017 , 107, e23071	2.2	5
18	Phase equilibrium of aqueous two-phase systems composed by L35 triblock copolymer + organic and inorganic ammonium electrolytes + water at 298.2 and 313.2 K. <i>Fluid Phase Equilibria</i> , 2018 , 469, 26-32	2.5	5
17	β -Carotene and Milk Protein Complexation: a Thermodynamic Approach and a Photo Stabilization Study. <i>Food and Bioprocess Technology</i> , 2018 , 11, 610-620	5.1	5
16	Green speciation of iron using aqueous two-phase system. <i>Anais Da Academia Brasileira De Ciências</i> , 2018 , 90, 1929-1944	1.4	5

15	Acquisition of Water Solubility Diagrams in Ternary Systems (AOT/Organic Solvent/Alcohol) and Extraction of β -Lactalbumin Using Reverse Micellar Systems. <i>Journal of Surfactants and Detergents</i> , 2017 , 20, 831-841	1.9	4
14	Phase Diagrams, Densities, and Refractive Indexes of Aqueous Two-Phase Systems Comprising (F68, L64, or PEO1500) + (Ammonium, Sodium, or Potassium Thiocyanate Salts) + Water: Effect of Cation and Type of Macromolecule. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1991-1998	2.8	4
13	Macromolecular properties from light-scattering experimental data using linear inverse problem theory. <i>International Journal of Quantum Chemistry</i> , 2006 , 106, 2731-2736	2.1	4
12	Aggregation behavior of self-assembled nanoparticles made from carboxymethyl-hexanoyl chitosan and sodium dodecyl sulphate surfactant in water. <i>Journal of Molecular Liquids</i> , 2019 , 278, 253-261	6	4
11	Application of pyridine-modified chitosan derivative for simultaneous adsorption of Cu(II) and oxyanions of Cr(VI) from aqueous solution. <i>Journal of Environmental Management</i> , 2021 , 282, 111939	7.9	4
10	Calorimetric studies of microemulsion systems with lecithin, isooctane and butanol. <i>Food Research International</i> , 2012 , 49, 672-676	7	3
9	Aggregation of sodium dodecylbenzene sulfonate: Weak molecular interactions modulated by imidazolium cation of short alkyl chain length. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 589, 124435	5.1	3
8	Solvophobic effect of 1-alkyl-3-methylimidazolium chloride on the thermodynamic of complexation between β -cyclodextrin and dodecylpyridinium cation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 582, 123850	5.1	2
7	Thermodynamic Characterization of Humic Acid-surfactant Interaction: New Insights into the Characteristics and Structure of Humic Acids. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015 , 39, 1633-1642	1.5	2
6	β -Lactoglobulin conformation influences its interaction with caffeine. <i>Food Bioscience</i> , 2021 , 44, 101418	4.9	2
5	Batch and continuous adsorption of Cu(II) and Zn(II) ions from aqueous solution on bi-functionalized sugarcane-based biosorbent. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
4	Thermodynamic and kinetic insights into the interactions between functionalized CdTe quantum dots and human serum albumin: A surface plasmon resonance approach. <i>International Journal of Biological Macromolecules</i> , 2021 , 184, 990-999	7.9	1
3	Energetic and molecular dynamic characterization of lysozyme/ β -carotene interaction. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116404	6	1
2	Functionalized Polydiacetylene Vesicles for Lactate Sensing: An Interaction Study. <i>ACS Food Science & Technology</i> , 2021 , 1, 745-753		0
1	Application of Congo red dye as a molecular probe to investigate the kinetics and thermodynamics of the formation processes of arachin and conarachin nanocomplexes.. <i>Food Chemistry</i> , 2022 , 384, 132485	8.5	0