

Guilherme M D Ferreira

List of Publications by Year in descending order

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31
papers

594
citations

623734

14
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

687
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	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.	4.7	84
3	Thermodynamic and kinetic analyses of curcumin and bovine serum albumin binding. <i>Food Chemistry</i> , 2018, 242, 505-512.	8.2	49
4	Anthocyanin immobilization in carboxymethylcellulose/starch films: A sustainable sensor for the detection of Al(III) ions in aqueous matrices. <i>Carbohydrate Polymers</i> , 2020, 230, 115679.	10.2	34
5	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
6	Microcalorimetric and SAXS Determination of PEO~SDS Interactions: The Effect of Cosolutes Formed by Ions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11967-11974.	2.6	26
7	Binding thermodynamics of synthetic dye Allura Red with bovine serum albumin. <i>Food Chemistry</i> , 2017, 217, 52-58.	8.2	26
8	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	25
9	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.	10.7	21
10	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.	7.3	20
11	Halochromic Polystyrene Nanofibers Obtained by Solution Blow Spinning for Wine pH Sensing. <i>Sensors</i> , 2020, 20, 417.	3.8	20
12	Liquid~Liquid Phase Equilibrium of Triblock Copolymer F68, Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (oxide)-<i>b</i>/i> <i>Chemical & Engineering Data</i> , 2010, 55, 1618-1622.	1.9	19
13	Kinetics and thermodynamics of bovine serum albumin interactions with Congo red dye. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 737-742.	5.0	16
14	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.	7.8	15
15	Lanthanum and Cerium Separation Using an Aqueous Two-Phase System with Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4239-4246.	1.9	14
16	Driving forces for chymosin partitioning on the macromolecule-salt aqueous two phase system. <i>Food and Bioproducts Processing</i> , 2016, 100, 361-371.	3.6	13
17	2,4-Dichlorophenoxyacetic acid adsorption on montmorillonite organoclay for controlled release applications. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	12
18	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, 15758-15768.	2.6	11

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19	Partitioning of cocaine and its adulterants in aqueous two-phase systems: An alternative drug identification method. <i>Fluid Phase Equilibria</i> , 2020, 506, 112367.	2.5	11
20	A simple and inexpensive thermal optic nanosensor formed by triblock copolymer and polydiacetylene mixture. <i>Food Chemistry</i> , 2018, 241, 358-363.	8.2	10
21	Changes in quality and phytochemical contents of avocado oil under different temperatures. <i>Journal of Food Science and Technology</i> , 2019, 56, 401-408.	2.8	10
22	Removal of Methylene Blue from an Aqueous Medium Using Atemoya Peel as a Low-cost Adsorbent. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	10
23	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.	7.5	9
24	Elucidating mechanism for the extraction of cobalt, nickel, and iron in polymer-electrolyte aqueous biphasic systems with both phases rich in electrolyte. <i>Journal of Molecular Liquids</i> , 2021, 327, 114803.	4.9	7
25	Liquid-liquid equilibria of aqueous two-phase systems formed by Triton X-100 surfactant and thiocyanate salts. <i>Journal of Molecular Liquids</i> , 2021, 338, 116615.	4.9	7
26	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.	4.7	5
27	Influence of Methyl Groups in Triphenylmethane Dyes on Their Adsorption on Biochars from Coffee Husks. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	4
28	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.	4.7	3
29	Effect of Acetonitrile and N,N-Dimethylformamide on the Formation of Poly(ethylene oxide)-Sodium Alkyl Sulfate Aggregates. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	1
30	Thermodynamics of multi-walled carbon nanotube biofunctionalization using nisin: The effect of peptide structure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123611.	4.7	1
31	New Insights into the Partitioning of Phenothiazine Dyes in Aqueous Two-Phase Systems. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0