

Mariana B Oliveira

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1263337/publications.pdf>

Version: 2024-02-01

66
papers

3,118
citations

136885

32
h-index

161767

54
g-index

66
all docs

66
docs citations

66
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3983-3990.	1.0	282
2	Bone physiology as inspiration for tissue regenerative therapies. <i>Biomaterials</i> , 2018, 185, 240-275.	5.7	259
3	Biodiesel Density: Experimental Measurements and Prediction Models. <i>Energy & Fuels</i> , 2011, 25, 2333-2340.	2.5	169
4	Mutual solubilities of hydrocarbons and water with the CPA EoS. <i>Fluid Phase Equilibria</i> , 2007, 258, 58-66.	1.4	140
5	Advanced Bottom-Up Engineering of Living Architectures. <i>Advanced Materials</i> , 2020, 32, e1903975.	11.1	127
6	Densities and Viscosities of Minority Fatty Acid Methyl and Ethyl Esters Present in Biodiesel. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2175-2180.	1.0	105
7	Coating Strategies Using Layer-by-Layer Deposition for Cell Encapsulation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1753-1764.	1.7	90
8	Phase equilibria of glycerol containing systems and their description with the Cubic-Plus-Association (CPA) Equation of State. <i>Fluid Phase Equilibria</i> , 2009, 280, 22-29.	1.4	85
9	Surface tension of chain molecules through a combination of the gradient theory with the CPA EoS. <i>Fluid Phase Equilibria</i> , 2008, 267, 83-91.	1.4	84
10	Vapor-Liquid Equilibria of Water + Alkylimidazolium-Based Ionic Liquids: Measurements and Perturbed-Chain Statistical Associating Fluid Theory Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 3737-3748.	1.8	82
11	Prediction of Water Solubility in Biodiesel with the CPA Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 4278-4285.	1.8	79
12	High-Pressure Biodiesel Density: Experimental Measurements, Correlation, and Cubic-Plus-Association Equation of State (CPA EoS) Modeling. <i>Energy & Fuels</i> , 2011, 25, 3806-3814.	2.5	75
13	Microparticles in Contact with Cells: From Carriers to Multifunctional Tissue Modulators. <i>Trends in Biotechnology</i> , 2019, 37, 1011-1028.	4.9	72
14	Evaluation of the CO ₂ behavior in binary mixtures with alkanes, alcohols, acids and esters using the Cubic-Plus-Association Equation of State. <i>Journal of Supercritical Fluids</i> , 2011, 55, 876-892.	1.6	71
15	Study of the impact of high temperatures and pressures on the equilibrium densities and interfacial tension of the carbon dioxide/water system. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 404-415.	1.0	69
16	Surface Tension of Binary Mixtures of 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids: Experimental Measurements and Soft-SAFT Modeling. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12133-12141.	1.2	61
17	Liquid-liquid equilibria for the canola oil biodiesel + ethanol + glycerol system. <i>Fuel</i> , 2011, 90, 2738-2745.	3.4	57
18	Recent advances on open fluidic systems for biomedical applications: A review. <i>Materials Science and Engineering C</i> , 2019, 97, 851-863.	3.8	56

#	ARTICLE	IF	CITATIONS
19	Modeling the [NTf ₂] Pyridinium Ionic Liquids Family and Their Mixtures with the Soft Statistical Associating Fluid Theory Equation of State. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9089-9100.	1.2	55
20	Surface tensions of binary mixtures of ionic liquids with bis(trifluoromethylsulfonyl)imide as the common anion. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 22-27.	1.0	49
21	Description of the mutual solubilities of fatty acids and water with the CPA EoS. <i>AICHE Journal</i> , 2009, 55, 1604-1613.	1.8	46
22	High pressure separation of greenhouse gases from air with 1-ethyl-3-methylimidazolium methyl-phosphonate. <i>International Journal of Greenhouse Gas Control</i> , 2013, 19, 299-309.	2.3	46
23	Measurement and Prediction of Biodiesel Surface Tensions. <i>Energy & Fuels</i> , 2011, 25, 4811-4817.	2.5	45
24	Liquid-liquid equilibria for ternary systems containing ethyl esters, ethanol and glycerol at 323.15 and 353.15K. <i>Fuel</i> , 2012, 94, 386-394.	3.4	45
25	Phase Equilibria of Ester + Alcohol Systems and Their Description with the Cubic-Plus-Association Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3452-3458.	1.8	44
26	Measurement and prediction of high-pressure viscosities of biodiesel fuels. <i>Fuel</i> , 2014, 122, 223-228.	3.4	44
27	Assessing the N ₂ O/CO ₂ high pressure separation using ionic liquids with the soft-SAFT EoS. <i>Journal of Supercritical Fluids</i> , 2014, 92, 231-241.	1.6	40
28	Development of simple and transferable molecular models for biodiesel production with the soft-SAFT equation of state. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2898-2911.	2.7	40
29	High pressure solubility of CH ₄ , N ₂ O and N ₂ in 1-butyl-3-methylimidazolium dicyanamide: Solubilities, selectivities and soft-SAFT modeling. <i>Journal of Supercritical Fluids</i> , 2016, 110, 56-64.	1.6	38
30	New measurements and modeling of high pressure thermodynamic properties of glycols. <i>Fluid Phase Equilibria</i> , 2017, 436, 113-123.	1.4	38
31	Modeling Phase Equilibria Relevant to Biodiesel Production: A Comparison of <i>g^E</i> Models, Cubic EoS, EoS ^{<i>g^E</i>} and Association EoS. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 2348-2358.	1.8	35
32	Solubility of greenhouse and acid gases on the [C ₄ mim][MeSO ₄] ionic liquid for gas separation and CO ₂ conversion. <i>Catalysis Today</i> , 2015, 255, 87-96.	2.2	34
33	Liquid-Liquid Equilibrium for Ternary Systems Containing Ethyl Esters, Anhydrous Ethanol and Water at 298.15, 313.15, and 333.15 K. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12613-12619.	1.8	33
34	Prediction of near and supercritical fatty acid ester+alcohol systems with the CPA EoS. <i>Journal of Supercritical Fluids</i> , 2010, 52, 241-248.	1.6	32
35	Strategies for re-vascularization and promotion of angiogenesis in trauma and disease. <i>Biomaterials</i> , 2021, 269, 120628.	5.7	32
36	Measurement and Prediction of Biodiesel Volatility. <i>Energy & Fuels</i> , 2012, 26, 3048-3053.	2.5	31

#	ARTICLE	IF	CITATIONS
37	Prediction of environmental parameters of polycyclic aromatic hydrocarbons with COSMO-RS. <i>Chemosphere</i> , 2010, 79, 821-829.	4.2	30
38	Modeling of Biodiesel Multicomponent Systems with the Cubic-Plus-Association (CPA) Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1419-1427.	1.8	29
39	Re-evaluating the CPA EoS for improving critical points and derivative properties description. <i>Fluid Phase Equilibria</i> , 2017, 436, 85-97.	1.4	24
40	Modeling the Liquid-Liquid Equilibria of Water + Fluorocarbons with the Cubic-Plus-Association Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1415-1420.	1.8	23
41	Thermodynamic Modeling of the Aqueous Solubility of PAHs. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5530-5536.	1.8	21
42	Surface tensions of esters from a combination of the gradient theory with the CPA EoS. <i>Fluid Phase Equilibria</i> , 2011, 303, 56-61.	1.4	20
43	Phase equilibria description of biodiesels with water and alcohols for the optimal design of the production and purification process. <i>Fuel</i> , 2014, 129, 116-128.	3.4	20
44	One-Step Rapid Fabrication of Cell-Only Living Fibers. <i>Advanced Materials</i> , 2020, 32, 1906305.	11.1	20
45	Bioactive silica nanoparticles with calcium and phosphate for single dose osteogenic differentiation. <i>Materials Science and Engineering C</i> , 2020, 107, 110348.	3.8	19
46	Liquid-liquid equilibria for ethyl esters+ethanol+water systems: Experimental measurements and CPA EoS modeling. <i>Fuel</i> , 2012, 96, 327-334.	3.4	18
47	Isobaric vapor-liquid equilibrium and isothermal surface tensions of 2,2-oxybis[propane]+2,5-Dimethylfuran. <i>Fluid Phase Equilibria</i> , 2013, 345, 60-67.	1.4	17
48	Sequentially Moldable and Bondable Four-Dimensional Hydrogels Compatible with Cell Encapsulation. <i>Biomacromolecules</i> , 2018, 19, 2742-2749.	2.6	17
49	Screening of Nanocomposite Scaffolds Arrays Using Superhydrophobic/Wettable Micropatterns. <i>Advanced Functional Materials</i> , 2017, 27, 1701219.	7.8	16
50	Evaluating Cubic Plus Association Equation of State Predictive Capacities: A Study on the Transferability of the Hydroxyl Group Associative Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7086-7099.	1.8	15
51	Another look at the water solubility in biodiesels: Further experimental measurements and prediction with the CPA EoS. <i>Fuel</i> , 2012, 97, 843-847.	3.4	13
52	Dynamic Electrophoretic Assembly of Metal-Phenolic Films: Accelerated Formation and Cytocompatible Detachment. <i>Chemistry of Materials</i> , 2020, 32, 7746-7753.	3.2	13
53	One-Step Aqueous Interfacial Assembly of Robust Membranes for Long-Term Encapsulation and Culture of Adherent Stem/Stromal Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100266.	3.9	13
54	Synthesis and characterization of scaffolds produced under mild conditions based on oxidized cashew gums and carboxyethyl chitosan. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 26-36.	3.6	12

#	ARTICLE	IF	CITATIONS
55	Low pressure vapor-liquid equilibria modeling of biodiesel related systems with the Cubic-Plus-Association (CPA) equation of state. <i>Fuel</i> , 2014, 133, 224-231.	3.4	11
56	Fabrication of Quasi-2D Shape-Tailored Microparticles using Wettability Contrast-Based Platforms. <i>Advanced Materials</i> , 2021, 33, e2007695.	11.1	11
57	High Pressure Phase Behavior of Carbon Dioxide in Carbon Disulfide and Carbon Tetrachloride. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2786-2792.	1.0	10
58	Phase equilibrium data and modeling of ethylic biodiesel, with application to a non-edible vegetable oil. <i>Fuel</i> , 2017, 203, 633-641.	3.4	9
59	Metabolomic Applications in Stem Cell Research: a Review. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 2003-2024.	1.7	9
60	Experimental measurements and modeling of CO ₂ solubility in sunflower, castor and rapeseed oils. <i>Journal of Supercritical Fluids</i> , 2013, 82, 191-199.	1.6	7
61	Leachable-Free Fabrication of Hydrogel Foams Enabling Homogeneous Viability of Encapsulated Cells in Large-Volume Constructs. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000543.	3.9	7
62	NMR Metabolomics Assessment of Osteogenic Differentiation of Adipose-Tissue-Derived Mesenchymal Stem Cells. <i>Journal of Proteome Research</i> , 2022, 21, 654-670.	1.8	7
63	Evaluation of the solvent structural effect upon the vapor-liquid equilibrium of [C ₄ C ₁ im][Cl] ⁺ alcohols. <i>Fluid Phase Equilibria</i> , 2017, 440, 36-44.	1.4	6
64	Endo- and Exometabolome Crosstalk in Mesenchymal Stem Cells Undergoing Osteogenic Differentiation. <i>Cells</i> , 2022, 11, 1257.	1.8	6
65	LIQUID-LIQUID EQUILIBRIA FOR SYSTEMS CONTAINING FATTY ACID ETHYL ESTERS, ETHANOL AND GLYCEROL AT 333.15 AND 343.15 K: EXPERIMENTAL DATA, THERMODYNAMIC AND ARTIFICIAL NEURAL NETWORK MODELING. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 819-834.	0.7	4
66	3D Cell Culture: Fabrication of Hydrogel Particles of Defined Shapes Using Superhydrophobic-Hydrophilic Micropatterns (<i>Adv. Mater.</i> 35/2016). <i>Advanced Materials</i> , 2016, 28, 7552-7552.	11.1	1