Mariana B Oliveira

List of Publications by Year
in descending order

66	3,118	136885	161767
papers	citations	32 h-index	54 g-index

66	66	66	2893
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NMR Metabolomics Assessment of Osteogenic Differentiation of Adipose-Tissue-Derived Mesenchymal Stem Cells. Journal of Proteome Research, 2022, 21, 654-670.	1.8	7
2	Endo- and Exometabolome Crosstalk in Mesenchymal Stem Cells Undergoing Osteogenic Differentiation. Cells, 2022, 11, 1257.	1.8	6
3	Strategies for re-vascularization and promotion of angiogenesis in trauma and disease. Biomaterials, 2021, 269, 120628.	5.7	32
4	Fabrication of Quasiâ€2D Shapeâ€Tailored Microparticles using Wettability Contrastâ€Based Platforms. Advanced Materials, 2021, 33, e2007695.	11.1	11
5	Oneâ€Step Allâ€Aqueous Interfacial Assembly of Robust Membranes for Longâ€Term Encapsulation and Culture of Adherent Stem/Stromal Cells. Advanced Healthcare Materials, 2021, 10, e2100266.	3.9	13
6	Synthesis and characterization of scaffolds produced under mild conditions based on oxidized cashew gums and carboxyethyl chitosan. International Journal of Biological Macromolecules, 2021, 176, 26-36.	3.6	12
7	Metabolomic Applications in Stem Cell Research: a Review. Stem Cell Reviews and Reports, 2021, 17, 2003-2024.	1.7	9
8	Bioactive silica nanoparticles with calcium and phosphate for single dose osteogenic differentiation. Materials Science and Engineering C, 2020, 107, 110348.	3.8	19
9	Advanced Bottomâ€Up Engineering of Living Architectures. Advanced Materials, 2020, 32, e1903975.	11.1	127
10	Oneâ€Step Rapid Fabrication of Cellâ€Only Living Fibers. Advanced Materials, 2020, 32, 1906305.	11.1	20
11	Dynamic Electrophoretic Assembly of Metalâ€“Phenolic Films: Accelerated Formation and Cytocompatible Detachment. Chemistry of Materials, 2020, 32, 7746-7753.	3.2	13
12	Leachableâ€Free Fabrication of Hydrogel Foams Enabling Homogeneous Viability of Encapsulated Cells in Largeâ€Volume Constructs. Advanced Healthcare Materials, 2020, 9, e2000543.	3.9	7
13	Microparticles in Contact with Cells: From Carriers to Multifunctional Tissue Modulators. Trends in Biotechnology, 2019, 37, 1011-1028.	4.9	72
14	Recent advances on open fluidic systems for biomedical applications: A review. Materials Science and Engineering C, 2019, 97, 851-863.	3.8	56
15	Sequentially Moldable and Bondable Four-Dimensional Hydrogels Compatible with Cell Encapsulation. Biomacromolecules, 2018, 19, 2742-2749.	2.6	17
16	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. Brazilian Journal of Chemical Engineering, 2018, 35, 819-834.	0.7	4
17	Bone physiology as inspiration for tissue regenerative therapies. Biomaterials, 2018, 185, 240-275.	5.7	259
18	New measurements and modeling of high pressure thermodynamic properties of glycols. Fluid Phase Equilibria, 2017, 436, 113-123.	1.4	38

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19	Re-evaluating the CPA EoS for improving critical points and derivative properties description. Fluid Phase Equilibria, 2017, 436, 85-97.	1.4	24
20	Evaluation of the solvent structural effect upon the vapor â€“liquid equilibrium of [C4C1im][Cl]Â+ alcohols. Fluid Phase Equilibria, 2017, 440, 36-44.	1.4	6
21	Phase equilibrium data and modeling of ethylic biodiesel, with application to a non-edible vegetable oil. Fuel, 2017, 203, 633-641.	3.4	9
22	Screening of Nanocomposite Scaffolds Arrays Using Superhydrophobicâ€Wettable Micropatterns. Advanced Functional Materials, 2017, 27, 1701219.	7.8	16
23	Evaluating Cubic Plus Association Equation of State Predictive Capacities: A Study on the Transferability of the Hydroxyl Group Associative Parameters. Industrial & Engineering Chemistry Research, 2017, 56, 7086-7099.	1.8	15
24	Coating Strategies Using Layerâ€byâ€layer Deposition for Cell Encapsulation. Chemistry - an Asian Journal, 2016, 11, 1753-1764.	1.7	90
25	3D Cell Culture: Fabrication of Hydrogel Particles of Defined Shapes Using Superhydrophobic-Hydrophilic Micropatterns (Adv. Mater. 35/2016). Advanced Materials, 2016, 28, 7552-7552.	11.1	1
26	High pressure solubility of CH4, N2O and N2 in 1-butyl-3-methylimidazolium dicyanamide: Solubilities, selectivities and soft-SAFT modeling. Journal of Supercritical Fluids, 2016, 110, 56-64.	1.6	38
27	Study of the impact of high temperatures and pressures on the equilibrium densities and interfacial tension of the carbon dioxide/water system. Journal of Chemical Thermodynamics, 2016, 93, 404-415.	1.0	69
28	Solubility of greenhouse and acid gases on the [C4mim][MeSO4] ionic liquid for gas separation and CO2 conversion. Catalysis Today, 2015, 255, 87-96.	2.2	34
29	Assessing the N2O/CO2 high pressure separation using ionic liquids with the soft-SAFT EoS. Journal of Supercritical Fluids, 2014, 92, 231-241.	1.6	40
30	Measurement and prediction of high-pressure viscosities of biodiesel fuels. Fuel, 2014, 122, 223-228.	3.4	44
31	Vaporâ€“Liquid Equilibria of Water + Alkylimidazolium-Based Ionic Liquids: Measurements and Perturbed-Chain Statistical Associating Fluid Theory Modeling. Industrial & Engineering Chemistry Research, 2014, 53, 3737-3748.	1.8	82
32	Development of simple and transferable molecular models for biodiesel production with the soft-SAFT equation of state. Chemical Engineering Research and Design, 2014, 92, 2898-2911.	2.7	40
33	Phase equilibria description of biodiesels with water and alcohols for the optimal design of the production and purification process. Fuel, 2014, 129, 116-128.	3.4	20
34	Low pressure vaporâ€“liquid equilibria modeling of biodiesel related systems with the Cubicâ€“Plusâ€“Association (CPA) equation of state. Fuel, 2014, 133, 224-231.	3.4	11
35	Experimental measurements and modeling of CO2 solubility in sunflower, castor and rapeseed oils. Journal of Supercritical Fluids, 2013, 82, 191-199.	1.6	7
36	High pressure separation of greenhouse gases from air with 1-ethyl-3-methylimidazolium methyl-phosphonate. International Journal of Greenhouse Gas Control, 2013, 19, 299-309.	2.3	46

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37	Surface tensions of binary mixtures of ionic liquids with bis(trifluoromethylsulfonyl)imide as the common anion. Journal of Chemical Thermodynamics, 2013, 64, 22-27.	1.0	49
38	Isobaric vaporâ€“liquid equilibrium and isothermal surface tensions of 2,2â€²-oxybis[propane]+2,5-Dimethylfuran. Fluid Phase Equilibria, 2013, 345, 60-67.	1.4	17
39	Measurement and Prediction of Biodiesel Volatility. Energy & Fuels, 2012, 26, 3048-3053.	2.5	31
40	Surface Tension of Binary Mixtures of 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids: Experimental Measurements and Soft-SAFT Modeling. Journal of Physical Chemistry B, 2012, 116, 12133-12141.	1.2	61
41	Modeling the [NTf₂] Pyridinium Ionic Liquids Family and Their Mixtures with the Soft Statistical Associating Fluid Theory Equation of State. Journal of Physical Chemistry B, 2012, 116, 9089-9100.	1.2	55
42	Liquidâ€“liquid equilibria for ternary systems containing ethyl esters, ethanol and glycerol at 323.15 and 353.15K. Fuel, 2012, 94, 386-394.	3.4	45
43	Liquidâ€“liquid equilibria for ethyl esters+ethanol+water systems: Experimental measurements and CPA EoS modeling. Fuel, 2012, 96, 327-334.	3.4	18
44	Another look at the water solubility in biodiesels: Further experimental measurements and prediction with the CPA EoS. Fuel, 2012, 97, 843-847.	3.4	13
45	High Pressure Phase Behavior of Carbon Dioxide in Carbon Disulfide and Carbon Tetrachloride. Journal of Chemical & Engineering Data, 2011, 56, 2786-2792.	1.0	10
46	Densities and Viscosities of Minority Fatty Acid Methyl and Ethyl Esters Present in Biodiesel. Journal of Chemical & Engineering Data, 2011, 56, 2175-2180.	1.0	105
47	Modeling Phase Equilibria Relevant to Biodiesel Production: A Comparison of <i>g</i>^E Models, Cubic EoS, EoSâ€“<i>g</i>^E and Association EoS. Industrial & Engineering Chemistry Research, 2011, 50, 2348-2358.	1.8	35
48	Measurement and Prediction of Biodiesel Surface Tensions. Energy & Fuels, 2011, 25, 4811-4817.	2.5	45
49	High-Pressure Biodiesel Density: Experimental Measurements, Correlation, and Cubic-Plus-Association Equation of State (CPA EoS) Modeling. Energy & Fuels, 2011, 25, 3806-3814.	2.5	75
50	Biodiesel Density: Experimental Measurements and Prediction Models. Energy & Fuels, 2011, 25, 2333-2340.	2.5	169
51	Surface tensions of esters from a combination of the gradient theory with the CPA EoS. Fluid Phase Equilibria, 2011, 303, 56-61.	1.4	20
52	Liquidâ€“liquid equilibria for the canola oil biodiesel + ethanol + glycerol system. Fuel, 2011, 90, 2738-2745.	3.4	57
53	Evaluation of the CO2 behavior in binary mixtures with alkanes, alcohols, acids and esters using the Cubic-Plus-Association Equation of State. Journal of Supercritical Fluids, 2011, 55, 876-892.	1.6	71
54	Prediction of near and supercritical fatty acid ester+alcohol systems with the CPA EoS. Journal of Supercritical Fluids, 2010, 52, 241-248.	1.6	32

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55	Phase Equilibria of Ester + Alcohol Systems and Their Description with the Cubic-Plus-Association Equation of State. Industrial & Engineering Chemistry Research, 2010, 49, 3452-3458.	1.8	44
56	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters. Journal of Chemical & Engineering Data, 2010, 55, 3983-3990.	1.0	282
57	Prediction of environmental parameters of polycyclic aromatic hydrocarbons with COSMO-RS. Chemosphere, 2010, 79, 821-829.	4.2	30
58	Modeling of Biodiesel Multicomponent Systems with the Cubic-Plus-Association (CPA) Equation of State. Industrial & Engineering Chemistry Research, 2010, 49, 1419-1427.	1.8	29
59	Liquidâ^'Liquid Equilibrium for Ternary Systems Containing Ethyl Esters, Anhydrous Ethanol and Water at 298.15, 313.15, and 333.15 K. Industrial & Engineering Chemistry Research, 2010, 49, 12613-12619.	1.8	33
60	Description of the mutual solubilities of fatty acids and water with the CPA EoS. AICHE Journal, 2009, 55, 1604-1613.	1.8	46
61	Phase equilibria of glycerol containing systems and their description with the Cubic-Plus-Association (CPA) Equation of State. Fluid Phase Equilibria, 2009, 280, 22-29.	1.4	85
62	Thermodynamic Modeling of the Aqueous Solubility of PAHs. Industrial & Engineering Chemistry Research, 2009, 48, 5530-5536.	1.8	21
63	Surface tension of chain molecules through a combination of the gradient theory with the CPA EoS. Fluid Phase Equilibria, 2008, 267, 83-91.	1.4	84
64	Prediction of Water Solubility in Biodiesel with the CPA Equation of State. Industrial & Engineering Chemistry Research, 2008, 47, 4278-4285.	1.8	79
65	Modeling the Liquidâ^'Liquid Equilibria of Water + Fluorocarbons with the Cubic-Plus-Association Equation of State. Industrial & Engineering Chemistry Research, 2007, 46, 1415-1420.	1.8	23
66	Mutual solubilities of hydrocarbons and water with the CPA EoS. Fluid Phase Equilibria, 2007, 258, 58-66.	1.4	140