

# Mara Jos Pastoriza-Gallego

## List of Publications by Citations

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37  
papers

1,825  
citations

22  
h-index

37  
g-index

37  
ext. papers

1,995  
ext. citations

3.9  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
37	CuO in water nanofluid: Influence of particle size and polydispersity on volumetric behaviour and viscosity. <i>Fluid Phase Equilibria</i> , <b>2011</b> , 300, 188-196	2.5	182
36	Thermal conductivity and viscosity measurements of ethylene glycol-based Al <sub>2</sub> O <sub>3</sub> nanofluids. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 221	5	145
35	A study on stability and thermophysical properties (density and viscosity) of Al <sub>2</sub> O <sub>3</sub> in water nanofluid. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 064301	2.5	134
34	Thermal conductivity and specific heat capacity measurements of Al <sub>2</sub> O <sub>3</sub> nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 111, 1615-1625	4.1	102
33	Rheological and volumetric properties of TiO <sub>2</sub> -ethylene glycol nanofluids. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 286	5	101
32	Thermal conductivity, rheological behaviour and density of non-Newtonian ethylene glycol-based SnO <sub>2</sub> nanofluids. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 337, 119-124	2.5	90
31	Rheological non-Newtonian behaviour of ethylene glycol-based Fe <sub>2</sub> O <sub>3</sub> nanofluids. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 560	5	89
30	Enhancement of thermal conductivity and volumetric behavior of Fe <sub>x</sub> O <sub>y</sub> nanofluids. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 014309	2.5	87
29	Co <sub>3</sub> O <sub>4</sub> ethylene glycol-based nanofluids: Thermal conductivity, viscosity and high pressure density. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 85, 54-60	4.9	86
28	Thermophysical profile of ethylene glycol-based ZnO nanofluids. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 73, 23-30	2.9	84
27	On the formation of a third, nanostructured domain in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10826-33	3.4	84
26	Thermal conductivity of dry anatase and rutile nano-powders and ethylene and propylene glycol-based TiO <sub>2</sub> nanofluids. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 83, 67-76	2.9	67
25	High-Pressure Biodiesel Density: Experimental Measurements, Correlation, and Cubic-Plus-Association Equation of State (CPA EoS) Modeling. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 3806-3814	4.1	64
24	Characterization and measurements of thermal conductivity, density and rheological properties of zinc oxide nanoparticles dispersed in (ethane-1,2-diol+water) mixture. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 58, 405-415	2.9	53
23	To Model Chemical Reactivity in Heterogeneous Emulsions, Think Homogeneous Microemulsions. <i>Langmuir</i> , <b>2015</b> , 31, 8961-79	4	52
22	Determining alpha-tocopherol distributions between the oil, water, and interfacial regions of macroemulsions: novel applications of electroanalytical chemistry and the pseudophase kinetic model. <i>Advances in Colloid and Interface Science</i> , <b>2006</b> , 123-126, 303-11	14.3	50
21	Quantitative determination of alpha-tocopherol distribution in a tributyrin/Brij 30/water model food emulsion. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 320, 1-8	9.3	42

20	Measurements and Correlation of High-Pressure Densities of Phosphonium Based Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2205-2217	2.8	37
19	Effects of temperature and emulsifier concentration on alpha-tocopherol distribution in a stirred, fluid, emulsion. Thermodynamics of alpha-tocopherol transfer between the oil and interfacial regions. <i>Langmuir</i> , <b>2009</b> , 25, 2646-53	4	37
18	Thermophysical properties of (diphenyl ether+biphenyl) mixtures for their use as heat transfer fluids. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 50, 80-88	2.9	36
17	Influence of Nanosegregation on the Phase Behavior of Fluorinated Ionic Liquids. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5415-5427	3.8	35
16	Evidence of viscoplastic behavior of exfoliated graphite nanofluids. <i>Soft Matter</i> , <b>2016</b> , 12, 2264-75	3.6	23
15	Effects of acidity and emulsifier concentration on the distribution of vitamin C in a model food emulsion. <i>Journal of Physical Organic Chemistry</i> , <b>2012</b> , 25, 908-915	2.1	18
14	Study of viscoelastic properties of magnetic nanofluids: an insight into their internal structure. <i>Soft Matter</i> , <b>2013</b> , 9, 11690	3.6	17
13	Micellar Effects on the Reaction between an Arenediazonium Ion and the Antioxidants Gallic Acid and Octyl Gallate. <i>Helvetica Chimica Acta</i> , <b>2008</b> , 91, 21-34	2	17
12	Kinetics and mechanism of the reaction between 4-hexadecylbenzenediazonium ions and vitamin C in emulsions: further evidence of the formation of diazo ether intermediates in the course of the reaction. <i>Journal of Physical Organic Chemistry</i> , <b>2008</b> , 21, 524-530	2.1	14
11	Determination of Transport Properties of Glycol-Based NanoFluids Derived from Surface Functionalized Graphene. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	12
10	Tailoring Nanofluid Thermophysical Profile through Graphene Nanoplatelets Surface Functionalization. <i>ACS Omega</i> , <b>2018</b> , 3, 744-752	3.9	11
9	Measurement and Prediction of Densities of Vegetable Oils at Pressures up to 45 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 3046-3053	2.8	11
8	Deiazonation in SDS/BuOH/H <sub>2</sub> O reverse micelles: structural parameters, kinetics, and mechanism of the reaction. <i>Langmuir</i> , <b>2005</b> , 21, 2675-81	4	9
7	Fluorimetric determination of structural parameters of BuOH/SDS/H <sub>2</sub> O reverse micelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 249, 25-28	5.1	8
6	Deiazonation of 1-naphthalenediazonium tetrafluoroborate in aqueous acid and in micellar solutions. <i>International Journal of Chemical Kinetics</i> , <b>2008</b> , 40, 301-309	1.4	7
5	Interfacial kinetics in octane based emulsions. Effects of surfactant concentration on the reaction between 16-ArN <sub>2</sub> <sup>+</sup> and octyl and lauryl gallates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 480, 171-177	5.1	6
4	Butanolysis of 4-methylbenzenediazonium ions in binary n-BuOH/H <sub>2</sub> O mixtures and in n-BuOH/SDS/H <sub>2</sub> O reverse micelles. Effects of solvent composition, acidity and temperature on the switch between heterolytic and homolytic deiazonation mechanisms. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 5304-12	3.9	5
3	Butanolysis of 2-methylbenzenediazonium ions: product distribution, rate constants of product formation, and activation parameters. <i>Journal of Physical Organic Chemistry</i> , <b>2009</b> , 22, 390-396	2.1	5

2	Tuning the electrical conductivity of exfoliated graphite nanosheets nanofluids by surface functionalization. <i>Soft Matter</i> , <b>2017</b> , 13, 3395-3403	3.6	4
1	Distribution of Tert-Butylhydroquinone in a Corn Oil/C12E6/Water Based Emulsion. Application of the Pseudophase Kinetic Model <b>2011</b> , 33-38		1