

Mara Jos Pastoriza-Gallego

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Determination of Transport Properties of Glycol-Based NanoFluids Derived from Surface Functionalized Graphene. <i>Nanomaterials</i> , 2019 , 9,	5.4	12
36	Tailoring Nanofluid Thermophysical Profile through Graphene Nanoplatelets Surface Functionalization. <i>ACS Omega</i> , 2018 , 3, 744-752	3.9	11
35	Influence of Nanosegregation on the Phase Behavior of Fluorinated Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5415-5427	3.8	35
34	Tuning the electrical conductivity of exfoliated graphite nanosheets nanofluids by surface functionalization. <i>Soft Matter</i> , 2017 , 13, 3395-3403	3.6	4
33	Evidence of viscoplastic behavior of exfoliated graphite nanofluids. <i>Soft Matter</i> , 2016 , 12, 2264-75	3.6	23
32	To Model Chemical Reactivity in Heterogeneous Emulsions, Think Homogeneous Microemulsions. <i>Langmuir</i> , 2015 , 31, 8961-79	4	52
31	Interfacial kinetics in octane based emulsions. Effects of surfactant concentration on the reaction between 16-ArN ₂ ⁺ and octyl and lauryl gallates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 480, 171-177	5.1	6
30	Thermal conductivity of dry anatase and rutile nano-powders and ethylene and propylene glycol-based TiO ₂ nanofluids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 83, 67-76	2.9	67
29	Co ₃ O ₄ ethylene glycol-based nanofluids: Thermal conductivity, viscosity and high pressure density. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 85, 54-60	4.9	86
28	Thermophysical profile of ethylene glycol-based ZnO nanofluids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 73, 23-30	2.9	84
27	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> , 2013 , 58, 405-415	2.9	53
26	Measurement and Prediction of Densities of Vegetable Oils at Pressures up to 45 MPa. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 3046-3053	2.8	11
25	Rheological and volumetric properties of TiO ₂ -ethylene glycol nanofluids. <i>Nanoscale Research Letters</i> , 2013 , 8, 286	5	101
24	On the formation of a third, nanostructured domain in ionic liquids. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10826-33	3.4	84
23	Study of viscoelastic properties of magnetic nanofluids: an insight into their internal structure. <i>Soft Matter</i> , 2013 , 9, 11690	3.6	17
22	Thermal conductivity, rheological behaviour and density of non-Newtonian ethylene glycol-based SnO ₂ nanofluids. <i>Fluid Phase Equilibria</i> , 2013 , 337, 119-124	2.5	90
21	Thermal conductivity and specific heat capacity measurements of Al ₂ O ₃ nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 1615-1625	4.1	102

20	Thermophysical properties of (diphenyl ether+biphenyl) mixtures for their use as heat transfer fluids. <i>Journal of Chemical Thermodynamics</i> , 2012 , 50, 80-88	2.9	36
19	Effects of acidity and emulsifier concentration on the distribution of vitamin C in a model food emulsion. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 908-915	2.1	18
18	Enhancement of thermal conductivity and volumetric behavior of Fe ₃ O ₄ nanofluids. <i>Journal of Applied Physics</i> , 2011 , 110, 014309	2.5	87
17	Thermal conductivity and viscosity measurements of ethylene glycol-based Al ₂ O ₃ nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 221	5	145
16	Rheological non-Newtonian behaviour of ethylene glycol-based Fe ₂ O ₃ nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 560	5	89
15	CuO in water nanofluid: Influence of particle size and polydispersity on volumetric behaviour and viscosity. <i>Fluid Phase Equilibria</i> , 2011 , 300, 188-196	2.5	182
14	Measurements and Correlation of High-Pressure Densities of Phosphonium Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2205-2217	2.8	37
13	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	4.1	64
12	Distribution of Tert-Butylhydroquinone in a Corn Oil/C12E6/Water Based Emulsion. Application of the Pseudophase Kinetic Model 2011 , 33-38		1
11	Butanolysis of 4-methylbenzenediazonium ions in binary n-BuOH/H ₂ O mixtures and in n-BuOH/SDS/H ₂ O reverse micelles. Effects of solvent composition, acidity and temperature on the switch between heterolytic and homolytic dediazonation mechanisms. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 5304-12	3.9	5
10	Butanolysis of 2-methylbenzenediazonium ions: product distribution, rate constants of product formation, and activation parameters. <i>Journal of Physical Organic Chemistry</i> , 2009 , 22, 390-396	2.1	5
9	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> , 2009 , 25, 2646-53	4	37
8	A study on stability and thermophysical properties (density and viscosity) of Al ₂ O ₃ in water nanofluid. <i>Journal of Applied Physics</i> , 2009 , 106, 064301	2.5	134
7	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> , 2008 , 21, 524-530	2.1	14
6	Dediazoniation of 1-naphthalenediazonium tetrafluoroborate in aqueous acid and in micellar solutions. <i>International Journal of Chemical Kinetics</i> , 2008 , 40, 301-309	1.4	7
5	Micellar Effects on the Reaction between an Arenediazonium Ion and the Antioxidants Gallic Acid and Octyl Gallate. <i>Helvetica Chimica Acta</i> , 2008 , 91, 21-34	2	17
4	Quantitative determination of alpha-tocopherol distribution in a tributyrin/Brij 30/water model food emulsion. <i>Journal of Colloid and Interface Science</i> , 2008 , 320, 1-8	9.3	42
3	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> , 2006 , 123-126, 303-11	14.3	50

2	Dediazoniación in SDS/BuOH/H ₂ O reverse micelles: structural parameters, kinetics, and mechanism of the reaction. <i>Langmuir</i> , 2005 , 21, 2675-81	4	9
1	Fluorimetric determination of structural parameters of BuOH/SDS/H ₂ O reverse micelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 249, 25-28	5-1	8