

Luis Lugo

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117
papers

3,467
citations

35
h-index

53
g-index

121
ext. papers

3,882
ext. citations

4.1
avg, IF

5.65
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 117 | Thermal conductivity and viscosity measurements of ethylene glycol-based Al ₂ O ₃ nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 221 | 5 | 145 |
| 116 | Influence of Molecular Structure on Densities and Viscosities of Several Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4984-4999 | 2.8 | 137 |
| 115 | Automated densimetric system: Measurements and uncertainties for compressed fluids. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 632-638 | 2.9 | 109 |
| 114 | Rheological and volumetric properties of TiO ₂ -ethylene glycol nanofluids. <i>Nanoscale Research Letters</i> , 2013 , 8, 286 | 5 | 101 |
| 113 | Compressed Liquid Densities of Squalane and Pentaerythritol Tetra(2-ethylhexanoate) <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 939-946 | 2.8 | 96 |
| 112 | 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 |
| 111 | Rheological non-Newtonian behaviour of ethylene glycol-based Fe ₂ O ₃ nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 560 | 5 | 89 |
| 110 | (ρ , V_m , T , χ) measurements of dimethyl carbonate+octane binary mixtures. <i>Fluid Phase Equilibria</i> , 2001 , 186, 235-255 | 2.5 | 89 |
| 109 | Enhancement of thermal conductivity and volumetric behavior of Fe _x O _y nanofluids. <i>Journal of Applied Physics</i> , 2011 , 110, 014309 | 2.5 | 87 |
| 108 | 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 |
| 107 | Current trends in surface tension and wetting behavior of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 94, 931-944 | 16.2 | 85 |
| 106 | Thermophysical profile of ethylene glycol-based ZnO nanofluids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 73, 23-30 | 2.9 | 84 |
| 105 | Density and viscosity of three (2,2,2-trifluoroethanol+1-butyl-3-methylimidazolium) ionic liquid binary systems. <i>Journal of Chemical Thermodynamics</i> , 2014 , 70, 101-110 | 2.9 | 80 |
| 104 | Functionalized graphene nanoplatelet-nanofluids for solar thermal collectors. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 185, 205-209 | 6.4 | 80 |
| 103 | Specific heat of metal oxide nanofluids at high concentrations for heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 872-879 | 4.9 | 77 |
| 102 | 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 |
| 101 | Nanodiamonds \square Ethylene Glycol nanofluids: Experimental investigation of fundamental physical properties. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 121, 1201-1213 | 4.9 | 60 |

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|-----|---|-----|----|
| 100 | High-Pressure Characterization of Dynamic Viscosity and Derived Properties for Squalane and Two Pentaerythritol Ester Lubricants: Pentaerythritol Tetra-2-ethylhexanoate and Pentaerythritol Tetranonanoate. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 2394-2404 | 3.9 | 56 |
| 99 | Volumetric properties under pressure for the binary system ethanol+toluene. <i>Fluid Phase Equilibria</i> , 2005 , 235, 139-151 | 2.5 | 56 |
| 98 | Heat Transfer Capability of (Ethylene Glycol + Water)-Based Nanofluids Containing Graphene Nanoplatelets: Design and Thermophysical Profile. <i>Nanoscale Research Letters</i> , 2017 , 12, 53 | 5 | 54 |
| 97 | 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 |
| 96 | Volumetric behaviour of the environmentally compatible lubricants pentaerythritol tetraheptanoate and pentaerythritol tetranonanoate at high pressures. <i>Green Chemistry</i> , 2005 , 7, 775 | 10 | 50 |
| 95 | Isobaric heat capacity and density of ethylene glycol based nanofluids containing various nitride nanoparticle types: An experimental study. <i>Journal of Molecular Liquids</i> , 2018 , 261, 530-539 | 6 | 47 |
| 94 | Experimental Dynamic Viscosities of 2,3-Dimethylpentane up to 60 MPa and from (303.15 to 353.15) K Using a Rolling-Ball Viscometer \square <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 849-855 | 2.8 | 46 |
| 93 | Phase Equilibria, PVT Behavior, and Critical Phenomena in Carbon Dioxide + n-Alkane Mixtures Using the Perturbed-Chain Statistical Associating Fluid Theory Approach. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8345-8353 | 3.9 | 46 |
| 92 | Compressibilities and viscosities of reference and vegetable oils for their use as hydraulic fluids and lubricants. <i>Green Chemistry</i> , 2011 , 13, 1293 | 10 | 45 |
| 91 | Heat Transfer Performance of Functionalized Graphene Nanoplatelet Aqueous Nanofluids. <i>Materials</i> , 2016 , 9, | 3.5 | 45 |
| 90 | High pressure volumetric properties of 1-ethyl-3-methylimidazolium ethylsulfate and 1-(2-methoxyethyl)-1-methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 213-220 | 2.9 | 44 |
| 89 | Experimental investigation on heat transfer and pressure drop of ZnO/ethylene glycol-water nanofluids in transition flow. <i>Applied Thermal Engineering</i> , 2016 , 93, 537-548 | 5.8 | 39 |
| 88 | Experimental excess volumes of organic carbonate+alkane systems. Estimation of the parameters of the Nitta-Chao model for this kind of binary mixture. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 1707-1712 | | 39 |
| 87 | Solubility of Carbon Dioxide in Two Pentaerythritol Ester Oils between (283 and 333) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1854-1861 | 2.8 | 39 |
| 86 | Potential heat transfer enhancement of functionalized graphene nanoplatelet dispersions in a propylene glycol-water mixture. Thermophysical profile. <i>Journal of Chemical Thermodynamics</i> , 2018 , 123, 174-184 | 2.9 | 36 |
| 85 | PEG 400-Based Phase Change Materials Nano-Enhanced with Functionalized Graphene Nanoplatelets. <i>Nanomaterials</i> , 2017 , 8, | 5.4 | 36 |
| 84 | 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 |
| 83 | Temperature dependence of the excess molar volume of (dimethyl carbonate, or diethyl carbonate+ toluene) from T= 278.15 K to 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 743-754 | 2.9 | 35 |

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|----|---|-----|----|
| 82 | Transport properties and heat transfer coefficients of ZnO/(ethylene glycol + water) nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 89, 433-443 | 4.9 | 34 |
| 81 | Experimental study on thermophysical properties of alumina nanoparticle enhanced ionic liquids. <i>Journal of Molecular Liquids</i> , 2019 , 291, 111332 | 6 | 34 |
| 80 | Influence of the pressure, temperature, cation and anion on the volumetric properties of ionic liquids: New experimental values for two salts. <i>Journal of Chemical Thermodynamics</i> , 2013 , 58, 440-448 | 2.9 | 33 |
| 79 | Rheological behaviour of functionalized graphene nanoplatelet nanofluids based on water and propylene glycol:water mixtures. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 99, 43-53 | 5.8 | 33 |
| 78 | Experimental evaluation of the effect in the stability and thermophysical properties of water-Al ₂ O ₃ based nanofluids using SDBS as dispersant agent. <i>Advanced Powder Technology</i> , 2020 , 31, 560-570 | 4.6 | 32 |
| 77 | Flow behaviour of suspensions of functionalized graphene nanoplatelets in propylene glycol/water mixtures. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 91, 150-157 | 5.8 | 29 |
| 76 | Density Measurements under Pressure for Mixtures of Pentaerythritol Ester Lubricants. Analysis of a Density/Viscosity Relationship <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1429-1436 | 2.8 | 29 |
| 75 | Experimental densities and dynamic viscosities of organic carbonate + n-alkane or p-xylene systems at 298.15 K. <i>Fluid Phase Equilibria</i> , 2003 , 204, 233-243 | 2.5 | 29 |
| 74 | Influence of Six Carbon-Based Nanomaterials on the Rheological Properties of Nanofluids. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 28 |
| 73 | (Solid + liquid) phase equilibria and heat capacity of (diphenyl ether + biphenyl) mixtures used as thermal energy storage materials. <i>Journal of Chemical Thermodynamics</i> , 2014 , 74, 43-50 | 2.9 | 28 |
| 72 | Temperature and pressure dependences of volumetric properties of two poly(propylene glycol) dimethyl ether lubricants. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 84-89 | 2.9 | 27 |
| 71 | Liquid Density Measurements of Diethylene Glycol Monoalkyl Ethers as a Function of Temperature and Pressure. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 376-379 | 2.8 | 26 |
| 70 | Functionalized graphene nanoplatelet nanofluids based on a commercial industrial antifreeze for the thermal performance enhancement of wind turbines. <i>Applied Thermal Engineering</i> , 2019 , 152, 113-125 | 5.8 | 25 |
| 69 | MWCNT in PEG-400 nanofluids for thermal applications: A chemical, physical and thermal approach. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111616 | 6 | 23 |
| 68 | Tailored silver/graphene nanoplatelet hybrid nanofluids for solar applications. <i>Journal of Molecular Liquids</i> , 2019 , 296, 112007 | 6 | 23 |
| 67 | Influence of the Molecular Structure on the Volumetric Properties and Viscosities of Dialkyl Adipates (Dimethyl, Diethyl, and Diisobutyl Adipates). <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3697-3703 | 2.8 | 23 |
| 66 | Comparative study of different functionalized graphene-nanoplatelet aqueous nanofluids for solar energy applications. <i>Renewable Energy</i> , 2019 , 141, 791-801 | 8.1 | 22 |
| 65 | Density measurements under pressure for the binary system (ethanol+methylcyclohexane). <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 1294-1304 | 2.9 | 22 |

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| 64 | Thermophysical profile of ethylene glycol based nanofluids containing two types of carbon black nanoparticles with different specific surface areas. <i>Journal of Molecular Liquids</i> , 2021 , 326, 115255 | 6 | 22 |
| 63 | Physico-chemical properties of C60(OH)22H4 water solutions: Density, viscosity, refraction index, isobaric heat capacity and antioxidant activity. <i>Journal of Molecular Liquids</i> , 2019 , 278, 342-355 | 6 | 22 |
| 62 | Volumetric behaviour of six ionic liquids from T = (278 to 398) K and up to 120 MPa. <i>Journal of Chemical Thermodynamics</i> , 2016 , 93, 24-33 | 2.9 | 21 |
| 61 | Effect of ZrO2 nanoparticles on thermophysical and rheological properties of three synthetic oils. <i>Journal of Molecular Liquids</i> , 2018 , 262, 126-138 | 6 | 21 |
| 60 | High pressure density and solubility for the CO2+1-ethyl-3-methylimidazolium ethylsulfate system. <i>Journal of Supercritical Fluids</i> , 2014 , 88, 46-55 | 4.2 | 20 |
| 59 | Ionic liquids as hydraulic fluids: comparison of several properties with those of conventional oils. <i>Lubrication Science</i> , 2014 , 26, 488-499 | 1.3 | 20 |
| 58 | NePCM Based on Silver Dispersions in Poly(Ethylene Glycol) as a Stable Solution for Thermal Storage. <i>Nanomaterials</i> , 2019 , 10, | 5.4 | 20 |
| 57 | Behavior of the Environmentally Compatible Absorbent 1-Butyl-3-methylimidazolium Tetrafluoroborate with 2,2,2-Trifluoroethanol: Experimental Densities at High Pressures and Modeling of PVT and Phase Equilibria Behavior with PC-SAFT EoS. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4065-4076 | 3.9 | 19 |
| 56 | Dynamic Viscosity under Pressure for Mixtures of Pentaerythritol Ester Lubricants with 32 Viscosity Grade: ρ Measurements and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1826-1833 | 3.9 | 19 |
| 55 | Density and isothermal compressibility for two trialkylimidazolium-based ionic liquids at temperatures from (278 to 398) K and up to 120 MPa. <i>Journal of Chemical Thermodynamics</i> , 2015 , 81, 124-130 | 2.9 | 18 |
| 54 | ρ Measurements and EoS Predictions of Glycol Ethers from (283.15 to 353.15) K at Pressures up to 25 MPa. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1400-1405 | 2.8 | 18 |
| 53 | (p, Vm, T, x) measurements of dimethyl carbonate + octane binary mixtures: II. Excess molar volumes. <i>Fluid Phase Equilibria</i> , 2002 , 199, 135-145 | 2.5 | 18 |
| 52 | Heat transfer performance of a nano-enhanced propylene glycol:water mixture. <i>International Journal of Thermal Sciences</i> , 2019 , 139, 413-423 | 4.1 | 17 |
| 51 | Solubility of carbon dioxide in pentaerythritol ester oils. New data and modeling using the PC-SAFT model. <i>Journal of Supercritical Fluids</i> , 2010 , 55, 62-70 | 4.2 | 17 |
| 50 | Volumetric Properties of Binary Tetraethylene Glycol Dimethyl Ether + Heptane Mixtures between (278.15 and 353.15) K and up to 25 MPa. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 1271-1278 | 2.8 | 17 |
| 49 | Viscosity and isobaric specific heat capacity of alumina nanoparticle enhanced ionic liquids: An experimental approach. <i>Journal of Molecular Liquids</i> , 2020 , 317, 114020 | 6 | 17 |
| 48 | An In Situ Hyaluronic Acid-Fibrin Hydrogel Containing Drug-Loaded Nanocapsules for Intra-Articular Treatment of Inflammatory Joint Diseases. <i>Regenerative Engineering and Translational Medicine</i> , 2020 , 6, 201-216 | 2.4 | 15 |
| 47 | Modeling of Gas Solubility Data for HFCs-Lubricant Oil Binary Systems by Means of the SRK Equation of State. <i>International Journal of Thermophysics</i> , 2003 , 24, 1043-1060 | 2.1 | 15 |

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| 46 | Phase equilibria and pVT predictions for alkyl carbonate + n-alkane systems using equations of state. <i>Fluid Phase Equilibria</i> , 2003 , 212, 111-128 | 2.5 | 14 |
| 45 | Enhancing the Thermal Performance of a Stearate Phase Change Material with Graphene Nanoplatelets and MgO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39108-39117 | 9.5 | 14 |
| 44 | Compressed liquid densities of two dipentaerythritol esters. <i>Fluid Phase Equilibria</i> , 2010 , 296, 30-36 | 2.5 | 13 |
| 43 | Experimental Convection Heat Transfer Analysis of a Nano-Enhanced Industrial Coolant. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 13 |
| 42 | Graphene Ionanofluids, Thermal and Structural Characterization. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 12 |
| 41 | Tribological and Thermophysical Properties of Environmentally-Friendly Lubricants Based on Trimethylolpropane Trioleate with Hexagonal Boron Nitride Nanoparticles as an Additive. <i>Coatings</i> , 2019 , 9, 509 | 2.9 | 11 |
| 40 | Hybrid or mono nanofluids for convective heat transfer applications. A critical review of experimental research. <i>Applied Thermal Engineering</i> , 2022 , 203, 117926 | 5.8 | 11 |
| 39 | High pressure densities of carbon dioxide+dipentaerythritol hexaheptanoate: New experimental setup and volumetric behavior. <i>Journal of Supercritical Fluids</i> , 2011 , 58, 189-197 | 4.2 | 10 |
| 38 | Carbon dioxide solubility in reference and vegetable lubricants developed for two stroke engines. <i>Journal of Supercritical Fluids</i> , 2012 , 68, 123-130 | 4.2 | 9 |
| 37 | Convective heat transfer in pipe flow for glycolated water-based carbon nanofluids. A thorough analysis. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112370 | 6 | 9 |
| 36 | Isobaric heat capacity at high pressure, density, and viscosity of (diphenyl ether + biphenyl) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 93, 86-94 | 2.9 | 8 |
| 35 | An experimental setup for isobaric heat capacities for viscous fluids at high pressure: Squalane, bis(2-ethylhexyl) sebacate and bis(2-ethylhexyl) phthalate. <i>Journal of Chemical Thermodynamics</i> , 2012 , 49, 75-80 | 2.9 | 8 |
| 34 | Krytox GPL102 Oil as Reference Fluid for High Viscosities: High Pressure Volumetric Properties, Heat Capacities, and Thermal Conductivities. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 3660-3669 | 2.8 | 8 |
| 33 | Solubilities of Carbon Dioxide in a Dipentaerythritol Ester and in a Polyether. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5483-5488 | 2.8 | 8 |
| 32 | Tribological performance of silicon nitride and carbon black Ionanofluids based on 1-ethyl-3-methylimidazolium methanesulfonate. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114335 | 6 | 8 |
| 31 | Compressibilities and Viscosities of Reference, Vegetable, and Synthetic Gear Lubricants. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 4499-4510 | 3.9 | 6 |
| 30 | Pressure and temperature dependence of the excess thermodynamic properties of binary dimethyl carbonate + n-octane mixtures. <i>Canadian Journal of Chemistry</i> , 2003 , 81, 840-849 | 0.9 | 6 |
| 29 | Determination of derived volumetric properties and heat capacities at high pressures using two density scaling based equations of state. Application to dipentaerythritol hexa(3,5,5-trimethylhexanoate). <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3531-3542 | 3.6 | 5 |

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|----|---|-----|---|
| 28 | Influence of molecular mass of PEG on rheological behaviour of MWCNT-based nanofluids for thermal energy storage. <i>Journal of Molecular Liquids</i> , 2020 , 318, 113965 | 6 | 5 |
| 27 | Characterization of Tuna Gelatin-Based Hydrogels as a Matrix for Drug Delivery.. <i>Gels</i> , 2022 , 8, | 4.2 | 5 |
| 26 | High Pressure Rheological Behavior of 1-Ethyl-3-methylimidazolium n-Hexylsulfate and Trihexyl(tetradecyl)phosphonium Tris(pentafluoroethyl)trifluorophosphate. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2927-2936 | 2.8 | 4 |
| 25 | Experimental measurements and modeling of CO ₂ solubility in sunflower, castor and rapeseed oils. <i>Journal of Supercritical Fluids</i> , 2013 , 82, 191-199 | 4.2 | 4 |
| 24 | Phase equilibrium of two CO ₂ + biodegradable oil systems up to 72MPa. <i>Journal of Supercritical Fluids</i> , 2014 , 91, 90-97 | 4.2 | 4 |
| 23 | Prediction of the pressure dependence on the thermodynamic properties of dialkyl carbonate + alkane mixtures using Nitta-Chao model. <i>Fluid Phase Equilibria</i> , 2004 , 217, 165-173 | 2.5 | 4 |
| 22 | Analysis of the molecular interactions of organic anhydride+alkane binary mixtures using the Nitta-Chao model. <i>Fluid Phase Equilibria</i> , 2000 , 170, 69-85 | 2.5 | 4 |
| 21 | Excess molar volumes of liquid 1-bromoalkane + alkane mixtures. Nitta-Chao characterization of the bromine-bromine and bromine-methylene interactions in binary 1-bromoalkane + alkane mixtures. <i>Canadian Journal of Chemistry</i> , 1999 , 77, 299-307 | 0.9 | 4 |
| 20 | Thermophysical, rheological and electrical properties of mono and hybrid TiB ₂ /B ₄ C nanofluids based on a propylene glycol:water mixture. <i>Powder Technology</i> , 2021 , 395, 391-391 | 5.2 | 4 |
| 19 | Numerical analysis of performance uncertainty of heat exchangers operated with nanofluids. <i>International Journal of Thermofluids</i> , 2022 , 14, 100144 | 5.6 | 4 |
| 18 | Magnetorheological behaviour of propylene glycol-based hematite nanofluids. <i>Rheologica Acta</i> , 2015 , 54, 757-769 | 2.3 | 3 |
| 17 | Volumetric Properties and Surface Tension of Few-Layer Graphene Nanofluids Based on a Commercial Heat Transfer Fluid. <i>Energies</i> , 2020 , 13, 3462 | 3.1 | 3 |
| 16 | A Comprehensive Physical Profile for Aqueous Dispersions of Carbon Derivatives as Solar Working Fluids. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 528 | 2.6 | 3 |
| 15 | Volumetric properties of 1-iodoperfluorohexane+n-octane binary system at several temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 87, 179-187 | 4.1 | 3 |
| 14 | A new relationship on transport properties of nanofluids. Evidence with novel magnesium oxide based n-tetradecane nanodispersions. <i>Powder Technology</i> , 2022 , 397, 117082 | 5.2 | 3 |
| 13 | Sako-Wu-Braunsitz equation of state for modelling phase equilibria and high-pressures PVT of mixtures containing dialkyl carbonate and alkane. <i>Fluid Phase Equilibria</i> , 2003 , 210, 77-89 | 2.5 | 2 |
| 12 | UNIFAC calculation of thermodynamic properties of binary 1-chloroalkane + alkane and dichloroalkane + alkane mixtures: Comparison with Nitta-Chao and DISQUAC predictions. <i>Canadian Journal of Chemistry</i> , 2003 , 81, 392-405 | 0.9 | 2 |
| 11 | Modelling thermodynamic properties of iodoalkane + alkane systems using group contribution models. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 5006 | 3.6 | 2 |

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|----|--|-----|---|
| 10 | Experimental study on the density, surface tension and electrical properties of ZrO ₂ /EG nanofluids. <i>Physics and Chemistry of Liquids</i> , 1-11 | 1.5 | 2 |
| 9 | Improving the tribological performance of a biodegradable lubricant adding graphene nanoplatelets as additives. <i>Journal of Molecular Liquids</i> , 2022 , 345, 117797 | 6 | 2 |
| 8 | Analysis of Heat Transfer Characteristics of a GnP Aqueous Nanofluid through a Double-Tube Heat Exchanger. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 2 |
| 7 | Physicochemical investigation of water-soluble C ₆₀ (C ₂ NH ₄ O ₂) ₄ H ₄ (C ₆₀ -Gly) adduct. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117658 | 6 | 1 |
| 6 | Development and Thermophysical Profile of Cetyl Alcohol-in-Water Nanoemulsions for Thermal Management. <i>Fluids</i> , 2022 , 7, 11 | 1.6 | 1 |
| 5 | Experimental Methodology to Determine Thermal Conductivity of Nanofluids by Using a Commercial Transient Hot-Wire Device. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 329 | 2.6 | 1 |
| 4 | An experimental study of novel nanofluids based on deep eutectic solvents (DESs) by Choline chloride and Ethylene glycol. <i>Journal of Molecular Liquids</i> , 2022 , 119521 | 6 | 1 |
| 3 | Tuning the thermal properties of aqueous nanofluids by taking advantage of size-customized clusters of iron oxide nanoparticles. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117727 | 6 | 0 |
| 2 | Phase change characterization of eco-friendly isopropyl palmitate-based graphene nanoplatelet nanofluid for thermal energy applications. <i>Journal of Molecular Liquids</i> , 2022 , 360, 119456 | 6 | 0 |
| 1 | Reply to the letter to the editor by J. Gmehling and J. Lohmann about the paper "Analysis of the molecular interactions of organic anhydride + alkane binary mixtures using the Nitta-Chao model" [Fluid Phase Equilib. 170 (2000) 6985]. <i>Fluid Phase Equilibria</i> , 2001 , 189, 197-201 | 2.5 | |