Manuel M Pieiro

List of Publications by Year in Descending Order

142 papers	3,870 citations	35 h-index	56 g-index
144 ext. papers	4,263 ext. citations	3.5 avg, IF	5.38 L-index

#	Paper	IF	Citations
142	Review on phase change material emulsions for advanced thermal management: Design, characterization and thermal performance. *Renewable and Sustainable Energy Reviews*, **2022**, 159, 112238	16.2	4
141	Development and Thermophysical Profile of Cetyl Alcohol-in-Water Nanoemulsions for Thermal Management. *Fluids*, **2022**, 7, 11	1.6	1
140	Characterization of Tuna Gelatin-Based Hydrogels as a Matrix for Drug Delivery.. *Gels*, **2022**, 8,	4.2	5
139	Multifunctional PLA/Gelatin Bionanocomposites for Tailored Drug Delivery Systems. *Pharmaceutics*, **2022**, 14, 1138	6.4	1
138	Evaluation of hydrogen storage ability of hydroquinone clathrates using molecular simulations. *Journal of Molecular Liquids*, **2022**, 360, 119487	6	0
137	Extraction and Characterization of Gelatin from Skin By-Products of Seabream, Seabass and Rainbow Trout Reared in Aquaculture. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
136	Extremely Slow Diffusion of Argon Atoms in Clathrate Cages: Implications for Gas Storage in Solid Materials. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 7479-7488	8.3	3
135	Integration of Stable Ionic Liquid-Based Nanofluids into Polymer Membranes. Part II: Gas Separation Properties toward Fluorinated Greenhouse Gases. *Nanomaterials*, **2021**, 11,	5.4	4
134	Integration of Stable Ionic Liquid-Based Nanofluids into Polymer Membranes. Part I: Membrane Synthesis and Characterization. *Nanomaterials*, **2021**, 11,	5.4	2
133	Characterization of Gelatin and Hydrolysates from Valorization of Farmed Salmon Skin By-Products. *Polymers*, **2021**, 13,	4.5	5
132	Production and Physicochemical Characterization of Gelatin and Collagen Hydrolysates from Turbot Skin Waste Generated by Aquaculture Activities. *Marine Drugs*, **2021**, 19,	6	5
131	Molecular dynamics of fluoromethane type I hydrates. *Journal of Molecular Liquids*, **2021**, 339, 116720	6	2
130	A 3D non-local density functional theory for any pore geometry. *Molecular Physics*, **2020**, 118, e1767308	1.7	2
129	Adsorption of fluorinated greenhouse gases on activated carbons: evaluation of their potential for gas separation. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 1892-1905	3.5	15
128	Experimental evaluation of the effect in the stability and thermophysical properties of water-Al2O3 based nanofluids using SDBS as dispersant agent. *Advanced Powder Technology*, **2020**, 31, 560-570	4.6	32
127	Computational simulation of fluorinated methane derivatives in type I clathrate hydrate. *Journal of Molecular Liquids*, **2020**, 314, 113783	6	4
126	Insights into the Crystal Structure and Clathration Selectivity of Organic Clathrates Formed with Hydroquinone and (CO2 + CH4) Gas Mixtures. *Journal of Physical Chemistry C*, **2019**, 123, 14582-14590	3.8	7

125	Aggregation and phase equilibria of fluorinated ionic liquids. *Journal of Molecular Liquids*, **2019**, 285, 386-396	6	14
124	Determination of Transport Properties of Glycol-Based NanoFluids Derived from Surface Functionalized Graphene. *Nanomaterials*, **2019**, 9,	5.4	12
123	On the Physical Insight into the Barotropic Effect in the Interfacial Behavior for the H2O + CO2 Mixture. *Journal of Physical Chemistry C*, **2019**, 123, 28123-28130	3.8	15
122	Graphene IoNanofluids, Thermal and Structural Characterization. *Nanomaterials*, **2019**, 9,	5.4	12
121	Three-phase equilibrium curve shift for methane hydrate in oceanic conditions calculated from Molecular Dynamics simulations. *Journal of Molecular Liquids*, **2019**, 274, 426-433	6	12
120	Effect of structural considerations on the development of free energy functionals for the square-well fluid. *Molecular Physics*, **2018**, 116, 1977-1989	1.7	3
119	Tailoring Nanofluid Thermophysical Profile through Graphene Nanoplatelets Surface Functionalization. *ACS Omega*, **2018**, 3, 744-752	3.9	11
118	Adsorption and interfacial phenomena of a Lennard-Jones fluid adsorbed in slit pores: DFT and GCMC simulations. *Molecular Physics*, **2018**, 116, 3417-3424	1.7	1
117	Simulation of Capture and Release Processes of Hydrogen by ╫Hydroquinone Clathrate. *ACS Omega*, **2018**, 3, 18771-18782	3.9	8
116	A description of hydroquinone clathrates using molecular dynamics: Molecular model and crystalline structures for CH and CO guests. *Journal of Chemical Physics*, **2018**, 148, 244502	3.9	7
115	Influence of Nanosegregation on the Phase Behavior of Fluorinated Ionic Liquids. *Journal of Physical Chemistry C*, **2017**, 121, 5415-5427	3.8	35
114	Generalization of the Fundamental-Measure Theory Beyond Hard Potentials: The Square-Well Fluid Case. *Journal of Physical Chemistry C*, **2017**, 121, 6184-6190	3.8	3
113	Computational study of the hydrolysis of carbonyl sulphide: Thermodynamics and kinetic constants estimation using ab initio calculations. *Journal of Chemical Thermodynamics*, **2017**, 110, 154-161	2.9	2
112	Tuning the electrical conductivity of exfoliated graphite nanosheets nanofluids by surface functionalization. *Soft Matter*, **2017**, 13, 3395-3403	3.6	4
111	Measurement and modeling of high pressure density and interfacial tension of carbon dioxide + tetrahydrofuran mixture. *Journal of Supercritical Fluids*, **2017**, 128, 359-369	4.2	4
110	Thermophysical Characterization of Ionic Liquids Based on the Perfluorobutanesulfonate Anion: Experimental and Soft-SAFT Modeling Results. *ChemPhysChem*, **2017**, 18, 2012-2023	3.2	17
109	Computational study of the interplay between intermolecular interactions and CO orientations in type I hydrates. *Physical Chemistry Chemical Physics*, **2017**, 19, 3384-3393	3.6	13
108	Evidence of viscoplastic behavior of exfoliated graphite nanofluids. *Soft Matter*, **2016**, 12, 2264-75	3.6	23

107	Direct transition mechanism for molecular diffusion in gas hydrates. *RSC Advances*, **2016**, 6, 1966-1972	3.7	20
106	Interfacial tensions of industrial fluids from a molecular-based square gradient theory. *AICHE Journal*, **2016**, 62, 1781-1794	3.6	49
105	Understanding the interfacial behavior in isopycnic Lennard-Jones mixtures by computer simulations. *Physical Chemistry Chemical Physics*, **2016**, 18, 1114-24	3.6	14
104	On interfacial properties of tetrahydrofuran: Atomistic and coarse-grained models from molecular dynamics simulation. *Journal of Chemical Physics*, **2016**, 144, 144702	3.9	13
103	Molecular dynamics simulation of CO2 hydrates: Prediction of three phase coexistence line. *Journal of Chemical Physics*, **2015**, 142, 124505	3.9	61
102	DFT calculation of the potential energy landscape topology and Raman spectra of type I CH4 and CO2 hydrates. *Physical Chemistry Chemical Physics*, **2015**, 17, 6963-75	3.6	23
101	Magnetorheological behaviour of propylene glycol-based hematite nanofluids. *Rheologica Acta*, **2015**, 54, 757-769	2.3	3
100	Understanding the Phase Behavior of Tetrahydrofuran + Carbon Dioxide, + Methane, and + Water Binary Mixtures from the SAFT-VR Approach. *Journal of Physical Chemistry B*, **2015**, 119, 14288-302	3.4	15
99	Thermal conductivity of dry anatase and rutile nano-powders and ethylene and propylene glycol-based TiO2 nanofluids. *Journal of Chemical Thermodynamics*, **2015**, 83, 67-76	2.9	67
98	Co3O4 ethylene glycol-based nanofluids: Thermal conductivity, viscosity and high pressure density. *International Journal of Heat and Mass Transfer*, **2015**, 85, 54-60	4.9	86
97	Aggregation behavior and total miscibility of fluorinated ionic liquids in water. *Langmuir*, **2015**, 31, 1283-95	4	49
96	A fully consistent experimental and molecular simulation study of methane adsorption on activated carbon. *Adsorption*, **2014**, 20, 649-656	2.6	19
95	An examination of the excess thermodynamic properties of flexible molecules from a molecular modelling perspective. *Fluid Phase Equilibria*, **2014**, 361, 93-103	2.5	6
94	Phase Equilibria and Excess Properties of Short-Alkane Mixtures Estimated Using the SAFT-VR Equation of State. *Journal of Chemical & Engineering Data*, **2014**, 59, 3242-3249	2.8	2
93	On the phase and interface behavior along the three-phase line of ternary Lennard-Jones mixtures: a collaborative approach based on square gradient theory and molecular dynamics simulations. *Journal of Chemical Physics*, **2014**, 141, 014503	3.9	14
92	Group-Contribution Method with Proximity Effect for PC-SAFT Molecular Parameters. 2. Application to Association Parameters: Primary Alcohols and Amines. *Industrial & Engineering Chemistry Research*, **2014**, 53, 909-919	3.9	13
91	Comprehensive Characterization of Interfacial Behavior for the Mixture CO2 + H2O + CH4: Comparison between Atomistic and Coarse Grained Molecular Simulation Models and Density Gradient Theory. *Journal of Physical Chemistry C*, **2014**, 118, 24504-24519	3.8	45
90	Thermophysical profile of ethylene glycol-based ZnO nanofluids. *Journal of Chemical Thermodynamics*, **2014**, 73, 23-30	2.9	84

89	Nonlocal Density Functional Theory and Grand Canonical Monte Carlo Molecular Simulations of Water Adsorption in Confined Media. *Journal of Physical Chemistry C*, **2014**, 118, 24905-24914	3.8	16
88	Characterization and measurements of thermal conductivity, density and rheological properties of zinc oxide nanoparticles dispersed in (ethane-1,2-diol+water) mixture. *Journal of Chemical Thermodynamics*, **2013**, 58, 405-415	2.9	53
87	Measurement and Prediction of Densities of Vegetable Oils at Pressures up to 45 MPa. *Journal of Chemical & Engineering Data*, **2013**, 58, 3046-3053	2.8	11
86	Rheological and volumetric properties of TiO2-ethylene glycol nanofluids. *Nanoscale Research Letters*, **2013**, 8, 286	5	101
85	On the formation of a third, nanostructured domain in ionic liquids. *Journal of Physical Chemistry B*, **2013**, 117, 10826-33	3.4	84
84	Study of viscoelastic properties of magnetic nanofluids: an insight into their internal structure. *Soft Matter*, **2013**, 9, 11690	3.6	17
83	Thermal conductivity, rheological behaviour and density of non-Newtonian ethylene glycol-based SnO2 nanofluids. *Fluid Phase Equilibria*, **2013**, 337, 119-124	2.5	90
82	Influence of the long-range corrections on the interfacial properties of molecular models using Monte Carlo simulation. *Journal of Chemical Physics*, **2013**, 138, 034707	3.9	48
81	Thermal conductivity and specific heat capacity measurements of Al2O3 nanofluids. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 1615-1625	4.1	102
80	Fluid-solid equilibrium of carbon dioxide as obtained from computer simulations of several popular potential models: the role of the quadrupole. *Journal of Chemical Physics*, **2013**, 138, 084506	3.9	16
79	Thermophysical properties of (diphenyl ether+biphenyl) mixtures for their use as heat transfer fluids. *Journal of Chemical Thermodynamics*, **2012**, 50, 80-88	2.9	36
78	Vapor-liquid interfacial properties of rigid-linear Lennard-Jones chains. *Journal of Chemical Physics*, **2012**, 137, 084706	3.9	19
77	On interfacial tension calculation from the test-area methodology in the grand canonical ensemble. *Journal of Chemical Physics*, **2012**, 136, 114707	3.9	8
76	Simultaneous application of the gradient theory and Monte Carlo molecular simulation for the investigation of methane/water interfacial properties. *Journal of Physical Chemistry B*, **2011**, 115, 9618-25	3.4	96
75	Enhancement of thermal conductivity and volumetric behavior of FexOy nanofluids. *Journal of Applied Physics*, **2011**, 110, 014309	2.5	87
74	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. *Industrial & Engineering Chemistry Research*, **2011**, 50, 4065-4076	3.9	19
73	An examination of the ternary methane + carbon dioxide + water phase diagram using the SAFT-VR approach. *Journal of Physical Chemistry B*, **2011**, 115, 9604-17	3.4	28
72	Thermal conductivity and viscosity measurements of ethylene glycol-based Al2O3 nanofluids. *Nanoscale Research Letters*, **2011**, 6, 221	5	145

71	Rheological non-Newtonian behaviour of ethylene glycol-based Fe2O3 nanofluids. *Nanoscale Research Letters*, **2011**, 6, 560	5	89
70	CuO in water nanofluid: Influence of particle size and polydispersity on volumetric behaviour and viscosity. *Fluid Phase Equilibria*, **2011**, 300, 188-196	2.5	182
69	Measurements and Correlation of High-Pressure Densities of Phosphonium Based Ionic Liquids. *Journal of Chemical & Engineering Data*, **2011**, 56, 2205-2217	2.8	37
68	High-Pressure Biodiesel Density: Experimental Measurements, Correlation, and Cubic-Plus-Association Equation of State (CPA EoS) Modeling. *Energy & Fuels*, **2011**, 25, 3806-3814	4.1	64
67	Loci of extrema of thermodynamic response functions for the Lennard□ones fluid. *Molecular Physics*, **2011**, 109, 2443-2449	1.7	6
66	Calculation of interfacial properties using molecular simulation with the reaction field method: Results for different water models. *Journal of Chemical Physics*, **2010**, 132, 184102	3.9	31
65	Interfacial properties of water/CO2: a comprehensive description through a Gradient Theory-SAFT-VR Mie approach. *Journal of Physical Chemistry B*, **2010**, 114, 11110-6	3.4	85
64	Group-Contribution Method for the Molecular Parameters of the PC-SAFT Equation of State Taking into Account the Proximity Effect. Application to Nonassociated Compounds. *Industrial & Engineering Chemistry Research*, **2010**, 49, 9394-9406	3.9	35
63	Analysis of the orientational order effect on n-alkanes: Evidences on experimental response functions and description using Monte Carlo molecular simulation. *Journal of Chemical Physics*, **2010**, 133, 074507	3.9	15
62	Calibration of a low temperature calorimeter and application in the determination of isobaric heat capacity of 2-propanol. *Thermochimica Acta*, **2010**, 507-508, 123-126	2.9	10
61	Analysis of Surface Tension, Density, and Speed of Sound for the Ternary Mixture Dimethyl Carbonate + p-Xylene + n-Octane. *Journal of Chemical & Engineering Data*, **2009**, 54, 1056-1062	2.8	16
60	Excess Enthalpy, Density, and Speed of Sound for the Ternary Mixture Methyl tert-Butyl Ether (1) + Butan-1-ol (2) + Octane (3)□ *Journal of Chemical & Engineering Data*, **2009**, 54, 453-458	2.8	7
59	Interfacial properties of the Mie n-6 fluid: Molecular simulations and gradient theory results. *Journal of Chemical Physics*, **2009**, 130, 104704	3.9	62
58	A study on stability and thermophysical properties (density and viscosity) of Al2O3 in water nanofluid. *Journal of Applied Physics*, **2009**, 106, 064301	2.5	134
57	Thermodynamic response functions of fluids: a microscopic approach based on NpT Monte Carlo. *Journal of Chemical Physics*, **2008**, 129, 014511	3.9	22
56	Surface ordering and capillary phenomena of confined hard cut-sphere particles. *Soft Matter*, **2007**, 3, 768-778	3.6	34
55	Accurate Global Thermophysical Characterization of Hydrofluoroethers through a Statistical Associating Fluid Theory Variable Range Approach, Based on New Experimental High-Pressure Volumetric and Acoustic Data. *Industrial & Engineering Chemistry Research*, **2007**, 46, 6998-7007	3.9	15
54	Excess enthalpy, density, and speed of sound determination for the ternary mixture (methyl tert-butyl ether + 1-butanol + n-hexane). *Journal of Chemical Thermodynamics*, **2007**, 39, 1247-1256	2.9	16

53	A comprehensive description of chemical association effects on second derivative properties of alcohols through a SAFT-VR approach. *Journal of Physical Chemistry B*, **2007**, 111, 3447-61	3.4	76
52	Density and surface tension variation with temperature for n-nonane + 1-hexanol. *Fluid Phase Equilibria*, **2006**, 245, 32-36	2.5	29
51	Simultaneous estimation of phase behavior and second-derivative properties using the statistical associating fluid theory with variable range approach. *Journal of Chemical Physics*, **2006**, 124, 024509	3.9	145
50	A combined pressure-controlled scanning calorimetry and Monte Carlo determination of the Joule-Thomson inversion curve. Application to methane. *Journal of Physical Chemistry B*, **2006**, 110, 5659-64	3.4	26
49	Density and Surface Tension Variation with Temperature for Heptane + 1-Alkanol. *Journal of Chemical & Engineering Data*, **2006**, 51, 1778-1782	2.8	61
48	Experimental (P, V, T, x) Data for the Mixture Ethyl Nonafluorobutyl Ether + n-Hexane. *Journal of Chemical & Engineering Data*, **2006**, 51, 577-581	2.8	5
47	Densities and Vapor Pressures of Highly Fluorinated Compounds. *Journal of Chemical & Engineering Data*, **2005**, 50, 1328-1333	2.8	58
46	Experimental and predicted enthalpies of mixing of mixtures formed from alcohols and sunflower oil at 298.15 K. *JAOCS, Journal of the American Oil ChemistsnSociety*, **2005**, 82, 141-146	1.8	
45	High-pressure speed of sound measurements in methyl nonafluorobutyl ether and ethyl nonafluorobutyl ether. *Fluid Phase Equilibria*, **2004**, 222-223, 297-302	2.5	12
44	Thermodynamic properties of perfluoro-n-octane. *Fluid Phase Equilibria*, **2004**, 225, 39-47	2.5	47
43	Experimental enthalpies of mixtures of alkylfluoroethers + n-alkanes at 298.15 K. *Fluid Phase Equilibria*, **2004**, 218, 41-45	2.5	2
42	Determination of high-pressure liquid density for n-perfluorohexane and n-perfluorononane. *Fluid Phase Equilibria*, **2004**, 220, 127-136	2.5	32
41	High-Pressure Densities of the Binary Mixture Methyl Nonafluorobutyl Ether + Hexane. *Journal of Chemical & Engineering Data*, **2004**, 49, 1368-1372	2.8	7
40	Description of PVT behaviour of hydrofluoroethers using the PC-SAFT EOS. *Physical Chemistry Chemical Physics*, **2004**, 6, 766-770	3.6	57
39	Relative permittivities of binary mixtures of 1-butanol + n-alkane AT 298.15 k. *Journal of Thermal Analysis and Calorimetry*, **2003**, 72, 129-133	4.1	22
38	P□□ Measurements of Nonafluorobutyl Methyl Ether and Nonafluorobutyl Ethyl Ether Between 283.15 and 323.15 K at Pressures Up to 40 MPa. *International Journal of Thermophysics*, **2003**, 24, 1265-1276	2.1	40
37	Sako□Wu□Prausnitz equation of state for modelling phase equilibria and high-pressures PVT of mixtures containing dialkyl carbonate and alkane. *Fluid Phase Equilibria*, **2003**, 210, 77-89	2.5	2
36	Estimation of carbonate□alcohol interaction parameters for Nitta□Chao group contribution model: application of a Genetic Algorithm. *Fluid Phase Equilibria*, **2003**, 212, 165-174	2.5	5

35	Excess Molar Volumes and Enthalpies of Mixing for the Ternary System (Butyl Butyrate + 1-Octanol + Dodecane) at the Temperature 308.15 K. *Journal of Chemical & Engineering Data*, **2003**, 48, 768-773	2.8	4
34	Mixing Properties for the Ternary Mixture Methyltert-Butyl Ether + 1-Butanol + Decane at 298.15 K. *Journal of Chemical & Engineering Data*, **2003**, 48, 758-762	2.8	23
33	Experimental and theoretically estimated excess molar enthalpies for (ethyl propionate+n -hexane + 1-pentanol) atT= 298.15 K. *Journal of Chemical Thermodynamics*, **2002**, 34, 961-972	2.9	5
32	Modelling of PVT for some poly alkylene glycol lubricants using Sako-Wu-Prausnitz EOS. *Fluid Phase Equilibria*, **2002**, 199, 23-31	2.5	4
31	Temperature dependence of thermophysical properties of octane+1-butanol system. *Magyar Apróad Kémiai Folyóirat*, **2002**, 70, 217-227	0	23
30	Temperature dependence of volumetric behaviour for methyl tert-butylether+1-butanol system. *Magyar Apróad Kémiai Folyóirat*, **2002**, 70, 235-241	0	8
29	Excess molar volume of dimethyl carbonate +p-xylene + n-decane at 288.15 and 298.15 k. *Magyar Apróad Kémiai Folyóirat*, **2002**, 70, 255-261	0	6
28	Study on Excess Molar Enthalpies and Excess Molar Volumes of the Binary Systems 1,2-Dichlorobenzene + (Benzene, Hexane, 1-Chlorohexane) and 1,3-Dichlorobenzene + (Benzene, Hexane, 1-Chlorohexane) at 298.15 K. *Journal of Chemical & Engineering Data*, **2002**, 47, 4-7	2.8	23
27	Analysis of the interaction between cycloalkanes and 1-alkanols by means of Nitta Chao group contribution model. *Fluid Phase Equilibria*, **2001**, 179, 319-337	2.5	4
26	Experimental and predicted excess molar volumes and excess molar enthalpies for di-n-butyl ether + 1-propanol + n-octane at 298.15 and 308.15 K. *Fluid Phase Equilibria*, **2001**, 179, 363-383	2.5	7
25	Excess molar enthalpies for propyl propanoate + cyclohexane + benzene at 298.15 and 308.15 K. *Fluid Phase Equilibria*, **2001**, 182, 279-288	2.5	8
24	Thermodynamic properties of mixing for (1-alkanol + an-alkane+ a cyclic alkane) atT= 298.15 K. I. (n-Hexane + cyclohexane + 1-butanol). *Journal of Chemical Thermodynamics*, **2001**, 33, 269-285	2.9	27
23	Density, speed of sound and refractive index of (n-hexane + cyclohexane + 1-hexanol) atT= 298.15 K. *Journal of Chemical Thermodynamics*, **2001**, 33, 1081-1096	2.9	23
22	Thermodynamic Properties of the Mixture Acetone + Methanol + n-Octane at 25°C. *Journal of Solution Chemistry*, **2001**, 30, 133-148	1.8	11
21	Temperature Dependence of Thermophysical Properties of Hexane + 1-Hexanol. *Journal of Chemical & Engineering Data*, **2001**, 46, 1206-1210	2.8	27
20	Temperature Dependence of Binary Mixing Properties for Acetone, Methanol, and Linear Aliphatic Alkanes (C6−C8). *Journal of Chemical & Engineering Data*, **2001**, 46, 728-734	2.8	34
19	Excess Molar Enthalpies of the Ternary System {x1CH3CH2COOCH2CH3+x2CH3(CH2)4CH3+(1-x1-x2)CH3CH2CH2OH} at 298.15 K, and Prediction Using Different Theoric Methods. *Physics and Chemistry of Liquids*, **2000**, 38, 481-493	1.5	2
18	Thermodynamic properties of the system (acetone + methanol+n -heptane) atT= 298.15 K. *Journal of Chemical Thermodynamics*, **2000**, 32, 483-497	2.9	18

17	Thermodynamics of (anisole + benzene, or toluene, orn-hexane, or cyclohexane, or 1-butanol, or 1-pentanol) atT= 298.15 K. *Journal of Chemical Thermodynamics*, **2000**, 32, 617-629	2.9	43
16	Mixing properties of benzene+2-methyl-2-butanol+1-pentanol at 298.15 K. Experimental results and comparison between ERAS model and cubic EOS estimations for excess molar volumes. *Fluid Phase Equilibria*, **2000**, 170, 151-163	2.5	13
15	Thermodynamic Properties on Mixing for Hexane + Cyclohexane + 1-Octanol at 298.15 K. *Journal of Chemical & Engineering Data*, **2000**, 45, 1154-1159	2.8	17
14	Temperature dependence of the thermophysical properties of binary mixtures of n-hexane□+□1-butanol. *High Temperatures - High Pressures*, **2000**, 32, 653-661	1.3	4
13	Liquid-Liquid Equilibria, and Thermodynamic Properties of the System Methyl Acetate + Methanol + Water at 298.15 K. *Physics and Chemistry of Liquids*, **1999**, 37, 193-213	1.5	16
12	Excess molar volumes of ternary mixtures di-n-butyl ether+1-pentanol+n-dodecane at 298.15 K. *Thermochimica Acta*, **1999**, 328, 259-263	2.9	2
11	Volumetric properties prediction by cubic EOS for non-ideal mixtures: application to the ternary system acetone+methanol+n-hexane. *Thermochimica Acta*, **1999**, 328, 265-275	2.9	10
10	Thermodynamic properties of the mixture benzene+cyclohexane+2-methyl-2-butanol at the temperature 298.15 K: excess molar volumes prediction by application of cubic equations of state. *Fluid Phase Equilibria*, **1999**, 154, 123-138	2.5	34
9	Temperature Dependence of the Refractive Index for the Mixtures {CH3(CH2)xOH, x=1, 2}+ {(CH3)2CH(CH2)yOH, y=0, 1, 2} and Estimation by Means of Cubic Equations of State. *Magyar Apr□ad K□elem□yek*, **1999**, 56, 381-394	0	13
8	Experimental and Theoretical Study of Excess Molar Enthalpies of Ethyl Propionate + n-Hexane + 1-Butanol at 298.15 K. *Journal of Chemical & Engineering Data*, **1999**, 44, 860-864	2.8	5
7	Refractive Indices and Speeds of Sound of Binary Mixtures of N-Octane with 1-Alkanol at the Temperature 298.15 K. *Physics and Chemistry of Liquids*, **1999**, 37, 683-699	1.5	13
6	Application of Different Group Contribution Models and Empirical Methods to Excess Enthalpies of Ternary Mixtures. *Magyar Apr□ad K□elem□yek*, **1998**, 52, 799-814	0	10
5	Thermodynamic behaviour of mixtures containing methyl acetate, methanol, and 1-butanol at 298.15 K: application of the ERAS model. *Fluid Phase Equilibria*, **1998**, 147, 285-300	2.5	33
4	Refractive indices and speeds of sound of binary mixtures ofn-hexane with 1-alkanol at the temperature 298.15 K. *Journal of Chemical Thermodynamics*, **1998**, 30, 1147-1157	2.9	35
3	Excess molar enthalpies of the ternary system (propyl propanoate+1-hexanol+n-hexane) at 298.15 K. *Fluid Phase Equilibria*, **1998**, 148, 201-208	2.5	8
2	Thermodynamic Properties of the Ternary Mixture Acetone + Methanol + Ethanol at 298.15 K. *Journal of Chemical & Engineering Data*, **1998**, 43, 776-780	2.8	20
1	Combined gelatin-chondroitin sulfate hydrogels with graphene nanoparticles. *Emergent Materials*,1	3.5	1