

Laura Fedele

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.

85
papers

2,276
citations

26
h-index

44
g-index

87
ext. papers

2,609
ext. citations

3.3
avg, IF

5.05
L-index

#	Paper	IF	Citations
85	State of the Art, Perspective and Obstacles of Ground-Source Heat Pump Technology in the European Building Sector: A Review. <i>Energies</i> , 2022 , 15, 2685	3.1	1
84	Review on phase change material emulsions for advanced thermal management: Design, characterization and thermal performance. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 159, 112238	16.2	4
83	Development and Thermophysical Profile of Cetyl Alcohol-in-Water Nanoemulsions for Thermal Management. <i>Fluids</i> , 2022 , 7, 11	1.6	1
82	Investigation of Nanofluids Circulating in a Volumetric Solar Receiver. <i>Journal of Thermal Science and Engineering Applications</i> , 2021 , 13,	1.9	2
81	Analysis of the Parameters Required to Properly Define Nanofluids for Heat Transfer Applications. <i>Fluids</i> , 2021 , 6, 65	1.6	3
80	Saturated Pressure Measurements of cis-1-Chloro-2,3,3,3- tetrafluoropropene (R1224yd (Z)) Saturation Pressure. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 4263-4267	2.8	1
79	Effect of Refrigerant Properties Estimation on the Prediction Capabilities of Well-Established Two-Phase Heat Transfer and Pressure Drop Models for New Refrigerants. <i>Journal of Physics: Conference Series</i> , 2020 , 1599, 012054	0.3	
78	HCFO refrigerant cis-1-chloro-2,3,3,3 tetrafluoropropene [R1224yd(Z)]: Experimental assessment and correlation of the liquid density. <i>International Journal of Refrigeration</i> , 2020 , 118, 139-145	3.8	3
77	Dynamic Viscosity, Surface Tension and Wetting Behavior Studies of Paraffin in Water Nanoemulsions. <i>Energies</i> , 2019 , 12, 3334	3.1	17
76	Energetic and Exergetic Analysis of Low Global Warming Potential Refrigerants as Substitutes for R410A in Ground Source Heat Pumps. <i>Energies</i> , 2019 , 12, 3538	3.1	16
75	Development of paraffinic phase change material nanoemulsions for thermal energy storage and transport in low-temperature applications. <i>Applied Thermal Engineering</i> , 2019 , 159, 113868	5.8	29
74	NePCM Based on Silver Dispersions in Poly(Ethylene Glycol) as a Stable Solution for Thermal Storage. <i>Nanomaterials</i> , 2019 , 10,	5.4	20
73	Nano-encapsulated PCM emulsions prepared by a solvent-assisted method for solar applications. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 194, 268-275	6.4	23
72	Numerical analyses and tests for optimized and enhanced heat transfer solutions in DEMO. <i>Fusion Engineering and Design</i> , 2019 , 146, 2692-2697	1.7	1
71	Low GWP halocarbon refrigerants: A review of thermophysical properties. <i>International Journal of Refrigeration</i> , 2018 , 90, 181-201	3.8	74
70	Surface oxidation of single wall carbon nanohorns for the production of surfactant free water-based colloids. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 528-533	9.3	18
69	Compressed Liquid Density and Vapor Phase PvT Measurements of trans-1-Chloro-3,3,3-trifluoroprop-1-ene [R1233zd(E)]. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 225-232	2.8	9

68	Effect of external magnetic field on tribological properties of goethite (α -FeOOH) based nanofluids. <i>Tribology International</i> , 2018 , 127, 341-350	4.9	20
67	Experimental measurement of equilibrium vapour pressure of H ₂ O/KCOOH (potassium formate) solution at high concentration. <i>International Journal of Refrigeration</i> , 2018 , 93, 176-183	3.8	6
66	Correction to New Measurements of the Apparent Thermal Conductivity of Nanofluids and Investigation of Their Heat Transfer Capabilities [Journal of Chemical & Engineering Data, 2018 , 63, 4277-4279]	2.8	4
65	Nano-PCMs for enhanced energy storage and passive cooling applications. <i>Applied Thermal Engineering</i> , 2017 , 110, 584-589	5.8	132
64	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
63	Nano-Phase Change Materials for Electronics Cooling Applications. <i>Journal of Heat Transfer</i> , 2017 , 139,	1.8	20
62	Saturated Pressure Measurements of trans-1-Chloro-3,3,3-trifluoroprop-1-ene (R1233zd(E)). <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2496-2500	2.8	20
61	Investigation of a single wall carbon nanohorn-based nanofluid in a full-scale direct absorption parabolic trough solar collector. <i>Energy Conversion and Management</i> , 2017 , 150, 693-703	10.6	45
60	PEG 400-Based Phase Change Materials Nano-Enhanced with Functionalized Graphene Nanoplatelets. <i>Nanomaterials</i> , 2017 , 8,	5.4	36
59	New Measurements of the Apparent Thermal Conductivity of Nanofluids and Investigation of Their Heat Transfer Capabilities. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 491-507	2.8	43
58	Experimental and Numerical Investigation on Forced Convection in Circular Tubes With Nanofluids. <i>Heat Transfer Engineering</i> , 2016 , 37, 1201-1210	1.7	16
57	Nano-PCMs for Electronics Cooling Applications 2016 ,	2	
56	Effect of solvent on nanolime transport within limestone: How to improve in-depth deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 497, 171-181	5.1	41
55	Saturated pressure measurements of cis-pentafluoroprop-1-ene (R1225ye(Z)). <i>International Journal of Refrigeration</i> , 2016 , 69, 243-250	3.8	14
54	Adoption of nanofluids in low-enthalpy parabolic trough solar collectors: Numerical simulation of the yearly yield. <i>Energy Conversion and Management</i> , 2016 , 118, 306-319	10.6	82
53	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
52	Laminar mixed convection of TiO ₂ /water nanofluid in horizontal uniformly heated pipe flow. <i>International Journal of Thermal Sciences</i> , 2015 , 97, 26-40	4.1	24
51	Nanofluids characterization and application as nanolubricants in heat pump systems. <i>Science and Technology for the Built Environment</i> , 2015 , 21, 621-630	1.8	8

50	Characterization and Simulation of the Heat Transfer Behaviour of Water-Based ZnO Nanofluids. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3599-609	1.3	11
49	Compressed Liquid Density and Vapor Phase PvT Measurements of cis-1,2,3,3,3-Pentafluoroprop-1-ene (R1225ye(Z)). <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 3333-3340	2.8	9
48	Nano-PCMs for passive electronic cooling applications. <i>Journal of Physics: Conference Series</i> , 2015 , 655, 012030	0.3	7
47	Measurements and Correlations of cis-1,3,3,3-Tetrafluoroprop-1-ene (R1234ze(Z)) Saturation Pressure. <i>International Journal of Thermophysics</i> , 2014 , 35, 1-12	2.1	32
46	A preliminary investigation on nanohorn toxicity in marine mussels and polychaetes. <i>Science of the Total Environment</i> , 2014 , 468-469, 111-9	10.2	23
45	R1234yf as a substitute of R134a in automotive air conditioning. Solubility measurements in two commercial PAG oils. <i>International Journal of Refrigeration</i> , 2014 , 40, 302-308	3.8	36
44	Measurements and Correlations of cis-1,3,3,3-Tetrafluoroprop-1-ene (R1234ze(Z)) Subcooled Liquid Density and Vapor-Phase PvT. <i>International Journal of Thermophysics</i> , 2014 , 35, 1415-1434	2.1	16
43	A comparison of nanofluid thermal conductivity measurements by flash and hot disk techniques. <i>Journal of Physics: Conference Series</i> , 2014 , 547, 012046	0.3	8
42	Saturated pressure measurements of 3,3,3-trifluoroprop-1-ene (R1243zf) for reduced temperatures ranging from 0.62 to 0.98. <i>Fluid Phase Equilibria</i> , 2013 , 351, 48-52	2.5	40
41	Tuning the thermal diffusivity of silver based nanofluids by controlling nanoparticle aggregation. <i>Nanotechnology</i> , 2013 , 24, 365601	3.4	10
40	Subcooled liquid density measurements and PvT measurements in the vapor phase for 3,3,3-trifluoroprop-1-ene (R1243zf). <i>International Journal of Refrigeration</i> , 2013 , 36, 2209-2215	3.8	32
39	Air velocity distribution analysis in the air duct of a display cabinet by PIV technique. <i>International Journal of Refrigeration</i> , 2012 , 35, 2321-2331	3.8	9
38	Compressed Liquid Density Measurements for 2,3,3,3-Tetrafluoroprop-1-ene (R1234yf). <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 482-489	2.8	39
37	Viscosity and thermal conductivity measurements of water-based nanofluids containing titanium oxide nanoparticles. <i>International Journal of Refrigeration</i> , 2012 , 35, 1359-1366	3.8	189
36	Saturated Pressure Measurements of trans-1,3,3,3-Tetrafluoroprop-1-ene (R1234ze(E)) for Reduced Temperatures Ranging from 0.58 to 0.92. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2197-2202	2.8	44
35	Subcooled Liquid Density Measurements and PvT Measurements in the Vapor Phase for trans-1,3,3,3-Tetrafluoroprop-1-ene (R1234ze(E)). <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3710-3720	2.8	26
34	Viscosity of water based SWCNH and TiO ₂ nanofluids. <i>Experimental Thermal and Fluid Science</i> , 2012 , 36, 65-71	3	142
33	Water-Based Fe ₂ O ₃ Nanofluid Characterization: Thermal Conductivity and Viscosity Measurements and Correlation. <i>Advances in Mechanical Engineering</i> , 2012 , 4, 674947	1.2	45

32	Experimental stability analysis of different water-based nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 300	5	138
31	Saturated Pressure Measurements of 2,3,3,3-Tetrafluoroprop-1-ene (R1234yf) for Reduced Temperatures Ranging from 0.67 to 0.93. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2608-2612 ^{2,8}	5 ¹	138
30	Solubility Measurements and Data Correlation of Carbon Dioxide in Pentaerythritol Tetra(2-ethylbutanoate) (PEBE6). <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 62-64	2.8	6
29	Solubility measurements and correlation of carbon dioxide in pentaerythritol tetra-2-methylhexanoate. Comparison with other pentaerythritol esters. <i>Fluid Phase Equilibria</i> , 2010 , 290, 115-120	2.5	11
28	Influence of nanoparticles dispersion in POE oils on lubricity and R134a solubility. <i>International Journal of Refrigeration</i> , 2010 , 33, 1180-1186	3.8	63
27	Solubility of Carbon Dioxide in Pentaerythritol Tetrabutyrate (PEC4) and Comparison with Other Linear Chained Pentaerythritol Tetraalkyl Esters. <i>International Journal of Thermophysics</i> , 2009 , 30, 1144-1154 ¹⁷	2.8	17
26	Solubility of carbon dioxide in pentaerythritol tetraoctanoate. <i>Fluid Phase Equilibria</i> , 2009 , 277, 55-60	2.5	18
25	Solubility Temperature Dependence and Data Correlation of Carbon Dioxide in Pentaerythritol Tetra-2-methylbutyrate. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 3104-3107	2.8	10
24	Solubility Measurements and Data Correlation of Carbon Dioxide in Pentaerythritol Tetrahexanoate (PEC6). <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2581-2585	2.8	21
23	Temperature and Pressure Dependence of Branched Pentaerythritol Ester Density. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1779-1784	2.8	3
22	Solubility of carbon dioxide in 2-methylbutyric, 2-methylvaleric and 2-methylhexanoic ester oils. <i>Fluid Phase Equilibria</i> , 2007 , 256, 81-85	2.5	33
21	Isothermal vapour + liquid equilibrium measurements and correlation for the pentafluoroethane + cyclopropane and the cyclopropane + 1,1,1,2-tetrafluoroethane binary systems. <i>Fluid Phase Equilibria</i> , 2007 , 251, 41-46	2.5	8
20	PVT Experimental Measurements and Data Correlation of Pentaerythritol Esters. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 108-115	2.8	20
19	Compressed Liquid Density Measurements for 1,1,1,2,3,3-Heptafluoropropane (R227ea). <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1955-1959	2.8	13
18	Vapor-Liquid Equilibrium for the Difluoromethane (R32) +n-Butane (R600) System. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 44-48	2.8	13
17	Compressed Liquid Densities and Saturated Liquid Densities of Dimethyl Ether (RE170). <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1667-1671	2.8	15
16	Isothermal VLE Measurements for Difluoromethane + Dimethyl Ether and an Evaluation of Hydrogen Bonding. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 128-132	2.8	17
15	Vapour-Liquid equilibrium measurements and correlation for the pentafluoroethane (R125)+n-butane (R600) system. <i>Fluid Phase Equilibria</i> , 2005 , 227, 275-281	2.5	12

14	VLLE measurements and correlation for the pentafluoroethane (R125) + n-butane (R600) system. <i>Fluid Phase Equilibria</i> , 2004 , 222-223, 283-289	2.5	7
13	Compressed liquid densities and saturated liquid densities of HFC-365mfc. <i>Fluid Phase Equilibria</i> , 2004 , 222-223, 291-296	2.5	13
12	Isothermal vapour + liquid equilibrium measurements and correlation for the dimethyl ether + 1,1,1,2,3,3,3-heptafluoropropane and the propane + 1,1,1,2,3,3,3-heptafluoropropane systems. <i>Fluid Phase Equilibria</i> , 2004 , 224, 119-123	2.5	20
11	VLLE measurements and their correlation for the R32 + R600 system. <i>Fluid Phase Equilibria</i> , 2003 , 210, 45-56	2.5	7
10	Mutual solubility and VLLE correlation for the R32 + R290 system. <i>Fluid Phase Equilibria</i> , 2003 , 212, 245-255	2.5	11
9	VLE measurements and modeling for the strongly positive azeotropic R32+propane system. <i>Fluid Phase Equilibria</i> , 2002 , 199, 175-183	2.5	26
8	Hydrogen-bonding of HFCs with dimethyl ether: evaluation by isothermal VLE measurements. <i>Fluid Phase Equilibria</i> , 2002 , 199, 153-160	2.5	32
7	Compressed Liquid Densities, Saturated Liquid Densities, and Vapor Pressures of Hexafluoro-1,3-butadiene (C4F6). <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 179-182	2.8	11
6	Vapor-Liquid Equilibrium Measurements and Correlation of the Binary Refrigerant Mixture Propane (HC-290) + 1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea) at 278.15, 293.15, and 308.15 K. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 839-842	2.8	20
5	Isothermal VLE measurements for the binary mixtures HFC-134a + HFC-245fa and HC-600a + HFC-245fa. <i>Fluid Phase Equilibria</i> , 2001 , 185, 255-264	2.5	34
4	Isothermal vapor-liquid equilibrium for the three binary systems 1,1,1,2,3,3-hexafluoropropane with dimethyl ether or propane, and 1,1,1,3,3,3-hexafluoropropane with dimethyl ether. <i>Fluid Phase Equilibria</i> , 2000 , 174, 3-12	2.5	37
3	Vapor+Liquid Equilibrium Measurements and Correlation of the Binary Refrigerant Mixtures Difluoromethane (HFC-32)+1,1,1,2,3,3-Hexafluoropropane (HFC-236ea) and Pentafluoroethane (HFC-125)+1,1,1,2,3,3-Hexafluoropropane (HFC-236ea) at 288.6, 303.2, and 318.2 K. <i>International Journal of Thermophysics</i> , 2000 , 21, 781-791	2.1	14
2	Matrix-assisted laser desorption/ionization mass spectrometry for monitoring bacterial protein digestion in yogurt production. <i>Journal of Mass Spectrometry</i> , 1999 , 34, 1338-45	2.2	25
1	Qualitative characterization of bacterial strains employed in the production of yogurt by matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1999 , 34, 1385-8	2.2	8