

# Xiaoxian Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9410020/publications.pdf>

Version: 2024-02-01

38  
papers

673  
citations

516215

16  
h-index

610482

24  
g-index

39  
all docs

39  
docs citations

39  
times ranked

328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating cubic equations of state for predictions of solid-fluid equilibrium in liquefied natural gas production. <i>Fuel</i> , 2022, 314, 123033.	3.4	13
2	Low-Field NMR Relaxation Analysis of High-Pressure Ethane Adsorption in Mesoporous Silicas. <i>ChemPhysChem</i> , 2022, 23, e202100794.	1.0	6
3	Net, Excess, and Absolute Adsorption of N <sub>2</sub> , CH <sub>4</sub> , and CO <sub>2</sub> on Metal-Organic Frameworks of ZIF-8, MIL-101(Cr), and UiO-66 at 282–361 K and up to 12 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 404-414.	1.0	12
4	Avoiding costly LNG plant freeze-out-induced shutdowns: Measurement and modelling for neopentane solubility at LNG conditions. <i>Energy</i> , 2021, 217, 119331.	4.5	8
5	Fine-tuning the pore structure of metal-organic frameworks by linker substitution for enhanced hydrogen storage and gas separation. <i>CrystEngComm</i> , 2021, 23, 3026-3032.	1.3	15
6	Entropy Scaling of Viscosity III: Application to Refrigerants and Their Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 1385-1398.	1.0	41
7	Viscosity of binary refrigerant mixtures of R32+R1234yf and R32+R1243zf. <i>International Journal of Refrigeration</i> , 2021, 128, 197-197.	1.8	17
8	Modeling the thermal conductivity of hydrofluorocarbons, hydrofluoroolefins and their binary mixtures using residual entropy scaling and cubic-plus-association equation of state. <i>Journal of Molecular Liquids</i> , 2021, 330, 115612.	2.3	17
9	Thermal conductivity measurements and correlations of pure R1243zf and binary mixtures of R32+R1243zf and R32+R1234yf. <i>International Journal of Refrigeration</i> , 2021, 131, 990-999.	1.8	22
10	Entropy Scaling of Thermal Conductivity: Application to Refrigerants and Their Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 13052-13070.	1.8	23
11	A microwave sensor for detecting impurity freeze out in liquefied natural gas production. <i>Fuel Processing Technology</i> , 2021, 219, 106878.	3.7	1
12	High Pressure Thermal Conductivity Measurements of Ternary (Methane+Propane+Heptane) Mixtures with a Transient Hot-Wire Apparatus. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	1.0	1
13	Natural gas density measurements and the impact of accuracy on process design. <i>Fuel</i> , 2021, 304, 121395.	3.4	7
14	High pressure viscosity measurements of ternary (methane + propane + heptane) mixtures. <i>Fuel Processing Technology</i> , 2021, 223, 106984.	3.7	7
15	Equation of State for Solid Benzene Valid for Temperatures up to 470 K and Pressures up to 1800 MPa. <i>Journal of Physical and Chemical Reference Data</i> , 2021, 50, .	1.9	4
16	Measurement and correlation of the (p, $\rho$ , T) behaviour of liquid ethylene glycol at temperatures from (283.3 to 393.1) K and pressures up to 100.1 MPa. <i>Journal of Chemical Thermodynamics</i> , 2020, 144, 106054.	1.0	9
17	Thermal conductivity measurements of refrigerant mixtures containing hydrofluorocarbons (HFC-32), Tj ETQq1 1 0.784314 rgBT /Over Thermodynamics, 2020, 151, 106248.	1.0	20
18	Miscible Fluid Displacement in Rock Cores Evaluated with NMR T2 Relaxation Time Measurements. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 18280-18289.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Temperature dependence of adsorption hysteresis in flexible metal organic frameworks. Communications Chemistry, 2020, 3, .	2.0	20
20	Flexible Adsorbents at High Pressure: Observations and Correlation of ZIF-7 Stepped Sorption Isotherms for Nitrogen, Argon, and Other Gases. Langmuir, 2020, 36, 14967-14977.	1.6	10
21	Uncertainty analysis of adsorption measurements using commercial gravimetric sorption analyzers with simultaneous density measurement based on a magnetic-suspension balance. Adsorption, 2020, 26, 645-659.	1.4	25
22	Measurement and modelling of the thermodynamic properties of carbon dioxide mixtures with HFO-1234yf, HFC-125, HFC-134a, and HFC-32: vapour-liquid equilibrium, density, and heat capacity. International Journal of Refrigeration, 2020, 118, 514-528.	1.8	33
23	Viscosity Measurements of Binary and Multicomponent Refrigerant Mixtures Containing HFC-32, HFC-125, HFC-134a, HFO-1234yf, and CO <sub>2</sub> . Journal of Chemical & Engineering Data, 2020, 65, 4252-4262.	1.0	19
24	Linking Fluid Densimetry and Molecular Simulation: Adsorption Behavior of Carbon Dioxide on Planar Gold Surfaces. Industrial & Engineering Chemistry Research, 2020, 59, 13283-13289.	1.8	6
25	High-Pressure Thermal Conductivity Measurements of a (Methane + Propane) Mixture with a Transient Hot-Wire Apparatus. Journal of Chemical & Engineering Data, 2020, 65, 906-915.	1.0	10
26	Experimental Investigation of Surface Phenomena on Quasi Nonporous and Porous Materials Near Dew Points of Pure Fluids and Their Mixtures. Industrial & Engineering Chemistry Research, 2020, 59, 3238-3251.	1.8	12
27	Analysis of the systematic force-transmission error of the magnetic-suspension coupling in single-sinker densimeters and commercial gravimetric sorption analyzers. Adsorption, 2019, 25, 717-735.	1.4	27
28	Measurement and correlation of the (p, $\rho$ , T) behavior of liquid propylene glycol at temperatures from (272.7 to 393.0) K and pressures up to 91.4 MPa. Journal of Chemical Thermodynamics, 2019, 131, 206-218.	1.0	10
29	Vapour-phase (p, $\rho$ , T, x) behaviour and virial coefficients for the (ethane + carbon dioxide) system. Journal of Chemical Thermodynamics, 2018, 122, 204-213.	1.0	6
30	Vapor-Phase (p, $\rho$ , T, x) Behavior and Virial Coefficients for the (Argon + Carbon Dioxide) System. Journal of Chemical & Engineering Data, 2017, 62, 2973-2981.	1.0	19
31	Vapor-Phase (p, $\rho$ , T, x) Behavior and Virial Coefficients for the Binary Mixture (0.05 Hydrogen + 0.95) of Chemical & Engineering Data, 2017, 62, 2973-2981.	1.0	19
32	Effect of pressure on corrosion behavior of X60, X65, X70, and X80 carbon steels in water-unsaturated supercritical CO <sub>2</sub> environments. International Journal of Greenhouse Gas Control, 2016, 51, 357-368.	2.3	42
33	Vapor-Phase (p, $\rho$ , T, x) Behavior and Virial Coefficients for the Binary Mixture (0.05 Argon) of Chemical & Engineering Data, 2016, 61, 2676-2681.	1.0	15
34	Accurate density measurements on a binary mixture (carbon dioxide + methane) at the vicinity of the critical point in the supercritical state by a single-sinker densimeter. Fluid Phase Equilibria, 2016, 418, 94-99.	1.4	16
35	Impact of surface roughness and humidity on X70 steel corrosion in supercritical CO <sub>2</sub> mixture with SO <sub>2</sub> , H <sub>2</sub> O, and O <sub>2</sub> . Journal of Supercritical Fluids, 2016, 107, 286-297.	1.6	37
36	Accurate Density Measurements on Ternary Mixtures (Carbon Dioxide + Nitrogen + Argon) at Temperatures from (323.15 to 423.15) K with Pressures from (3 to 31) MPa using a Single-Sinker Densimeter. Journal of Chemical & Engineering Data, 2015, 60, 3353-3357.	1.0	17

#	ARTICLE	IF	CITATIONS
37	Density measurements on binary mixtures (nitrogen + carbon dioxide and argon + carbon dioxide) at temperatures from (298.15 to 423.15) K with pressures from (11 to 31) MPa using a single-sinker densimeter. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 17-29.	1.0	28
38	The upper limit of moisture content for supercritical CO <sub>2</sub> pipeline transport. <i>Journal of Supercritical Fluids</i> , 2012, 67, 14-21.	1.6	74