

# Daniel Lozano-Martín

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3489927/publications.pdf>

Version: 2024-02-01

16  
papers

125  
citations

1477746

6  
h-index

1281420

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Volumetric behaviour of (carbon dioxide + hydrocarbon) mixtures at high pressures. <i>Journal of Supercritical Fluids</i> , 2016, 110, 103-109.	1.6	20
2	Updated determination of the molar gas constant $R$ by acoustic measurements in argon at UVa-CEM. <i>Metrologia</i> , 2017, 54, 663-673.	0.6	18
3	Thermal Conductivity of Metastable Ionic Liquid [C2mim][CH3SO3]. <i>Molecules</i> , 2020, 25, 4290.	1.7	16
4	Accurate experimental ( $p, \rho, T$ ) data of natural gas mixtures for the assessment of reference equations of state when dealing with hydrogen-enriched natural gas. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21983-21998.	3.8	12
5	Speeds of sound for a biogas mixture CH <sub>4</sub> + N <sub>2</sub> + CO <sub>2</sub> + CO from $p = (1\text{--}12)$ MPa at $T = (273, 300 \text{ and } 325)$ K measured with a spherical resonator. <i>Journal of Chemical Thermodynamics</i> , 2016, 102, 348-356.	1.0	11
6	Speed of sound for three binary (CH <sub>4</sub> +H <sub>2</sub> ) mixtures from $p = (0.5 \text{ up to } 20)$ MPa at $T = (273.16 \text{ to } 375)$ K. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4765-4783.	3.8	8
7	Speed of sound in gaseous cis-1,3,3,3-tetrafluoropropene (R1234ze(Z)) between 307 K and 420 K. <i>International Journal of Refrigeration</i> , 2019, 100, 37-47.	1.8	6
8	Speeds of sound for (CH <sub>4</sub> +He) mixtures from $p = (0.5 \text{ to } 20)$ MPa at $T = (273.16 \text{ to } 375)$ K. <i>Journal of Chemical Thermodynamics</i> , 2019, 139, 105869.	1.0	5
9	A novel technique based in a cylindrical microwave resonator for high pressure phase equilibrium determination. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 124-132.	1.0	5
10	Determination of the force transmission error in a single-sinker magnetic suspension densimeter due to the fluid-specific effect and its correction for use with gas mixtures containing oxygen. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 151, 107176.	2.5	5
11	Thermodynamic characterization of the (CO <sub>2</sub> + O <sub>2</sub> ) binary system for the development of models for CCS processes: Accurate experimental ( $p, \rho, T$ ) data and virial coefficients. <i>Journal of Supercritical Fluids</i> , 2021, 169, 105074.	1.6	5
12	Accurate experimental ( $p, \rho, T$ ) data of the (CO <sub>2</sub> +O <sub>2</sub> ) binary system for the development of models for CCS processes. <i>Journal of Chemical Thermodynamics</i> , 2020, 150, 106210.	1.0	4
13	Speed of sound data and acoustic virial coefficients of two binary (N <sub>2</sub> +H <sub>2</sub> ) mixtures at temperatures between (260 and 350) K and at pressures between (0.5 and 20) MPa. <i>Journal of Chemical Thermodynamics</i> , 2022, 171, 106791.	1.0	4
14	[C <sub>2</sub> mim][CH <sub>3</sub> SO <sub>3</sub> ] <sup>+</sup> A Suitable New Heat Transfer Fluid? Part 2: Thermophysical Properties of Its Mixtures with Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 2280-2305.	1.8	3
15	Speed of sound and phase equilibria for (CO <sub>2</sub> +C <sub>3</sub> H <sub>8</sub> ) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2021, 158, 106464.	1.0	2
16	Speed of sound data, derived perfect-gas heat capacities, and acoustic virial coefficients of a calibration standard natural gas mixture and a low-calorific H <sub>2</sub> -enriched mixture. <i>Journal of Chemical Thermodynamics</i> , 2021, 158, 106434.	1.0	1