

# Miguel Angel Iglesias Duro

## List of Publications by Year in descending order

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81  
papers

1,860  
citations

257450

24  
h-index

302126

39  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1029  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Fluid Phase Topology of Benzene + Cyclohexane + 1-Propanol at 101.3 kPa. International Journal of Thermophysics, 2015, 36, 1498-1518.  | 2.1  | 1         |
| 2  | Alanine-supported protic ionic liquids as efficient catalysts for aldol condensation reactions. Comptes Rendus Chimie, 2014, 17, 18-22.  | 0.5  | 10        |
| 3  | Isentropic compressibilities of chlorobenzene + n-hexane + (n-undecane or n-dodecane) at 298.15 K. Physics and Chemistry of Liquids, 2011, 49, 519-529.  | 1.2  | 5         |
| 4  | Phase equilibria of binary mixtures containing methyl acetate, water, methanol or ethanol at 101.3 kPa. Physics and Chemistry of Liquids, 2011, 49, 52-71.   | 1.2  | 30        |
| 5  | Proton Conducting Polymer Membrane Using The Ionic Liquid 2-Hydroxyethylammonium Lactate For Ethanol Fuel Cells. AIP Conference Proceedings, 2011, , .   | 0.4  | 6         |
| 6  | Structural and Aggregation Study of Protic Ionic Liquids. , 2011, , .  |      | 2         |
| 7  | Excess molar volumes of the ternary mixtures chlorobenzene + n-Hexane + linear aliphatic alkane (C7-C8) at 298.15 K. Physics and Chemistry of Liquids, 2011, 49, 708-719.  | 1.2  | 3         |
| 8  | Brønsted ionic liquids: Study of physico-chemical properties and catalytic activity in aldol condensations. Chemical Engineering Journal, 2010, 162, 802-808.  | 12.7 | 78        |
| 9  | Influence of temperature on thermodynamic properties of substituted aromatic compounds. Physics and Chemistry of Liquids, 2010, 48, 257-271.   | 1.2  | 22        |
| 10 | Temperature dependence of the derived properties of mixtures containing chlorobenzene and aliphatic linear alkanes (C <sub>6</sub> <math>\leq</math> C <sub>12</sub> ). Physics and Chemistry of Liquids, 2010, 48, 661-681. | 1.2  | 19        |
| 11 | Phase behaviour of ethanol + water + ethyl acetate at 101.3 kPa. Physics and Chemistry of Liquids, 2010, 48, 461-476.  | 1.2  | 4         |
| 12 | Influence of temperature on thermodynamics of ethanol + hydrocarbon gasoline additives. Physics and Chemistry of Liquids, 2010, 48, 337-384.   | 1.2  | 13        |
| 13 | Thermodynamics of Water-Air Transfer of Fuel Oxygenates by the Dynamic Method of Batch Air Stripping: Experimental Study of Temperature and Cosolvency Effects. Separation Science and Technology, 2009, 44, 3615-3631.      | 2.5  | 5         |
| 14 | Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF)+short hydroxylic solvents}. Journal of Chemical Thermodynamics, 2008, 40, 119-133.                           | 2.0  | 85        |
| 15 | Influence of temperature on thermodynamics of ethers+xylenes. Fluid Phase Equilibria, 2008, 267, 133-139.  | 2.5  | 14        |
| 16 | Thermodynamics and Kinetics of Fuel Oxygenate Adsorption into Granular Activated Carbon. Journal of Chemical & Engineering Data, 2008, 53, 2556-2561.  | 1.9  | 11        |
| 17 | Study of fuel oxygenates solubility in aqueous media as a function of temperature and tert-butyl alcohol concentration. Chemosphere, 2008, 71, 2098-2105.  | 8.2  | 18        |
| 18 | Thermodynamics of oxygenate fuel additives as a function of temperature. Physics and Chemistry of Liquids, 2008, 46, 223-237.  | 1.2  | 35        |

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|----|--|-----|-----------|
| 19 | Isobaric phase equilibrium of the ternary mixture ethanol+water+2-propanol. <i>Physics and Chemistry of Liquids</i> , 2007, 45, 683-694.   | 1.2 | 3         |
| 20 | Measuring and modelling experimental densities and ultrasonic velocities of aromatic and halogenated environmental pollutants. <i>Chemosphere</i> , 2007, 67, 384-395.                     | 8.2 | 14        |
| 21 | New Short Aliphatic Chain Ionic Liquids: Synthesis, Physical Properties, and Catalytic Activity in Aldol Condensations. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12468-12477.   | 2.6 | 83        |
| 22 | Vapor-liquid equilibria for binary mixtures containing ethyl tert butyl ether (ETBE)+(p-xylene,m-xylene). <i>J. Chem. Thermodyn.</i> 2007, 39, 1557-1564.                                  | 2.0 | 18        |
| 23 | Temperature influence on solution properties of ethanol + n-alkane mixtures. <i>Journal of Molecular Liquids</i> , 2007, 135, 105-114.   | 4.9 | 31        |
| 24 | Analysis of methanol extraction from aqueous solution by n-hexane: Equilibrium diagrams as a function of temperature. <i>Journal of Molecular Liquids</i> , 2007, 130, 52-58.              | 4.9 | 12        |
| 25 | Temperature influence on mixing properties of {ethyl tert-butyl ether (ETBE)+gasoline additives}. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1557-1564.                         | 2.0 | 18        |
| 26 | Influence of temperature on ultrasonic velocity measurements of ethanol+water+1-propanol mixtures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 237-245.                 | 3.6 | 25        |
| 27 | Temperature dependence of excess molar volumes of ethanol+water+1-propanol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 88, 549-555.  | 3.6 | 13        |
| 28 | Influence of Temperature on Thermodynamic Properties of Methyl t-Butyl Ether (MTBE)+Gasoline Additives. <i>International Journal of Thermophysics</i> , 2007, 28, 1199-1227.               | 2.1 | 27        |
| 29 | Liquid-Liquid Equilibrium Diagrams of Ethanol + Water + (Ethyl Acetate or 1-Pentanol) at Several Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 1300-1305.    | 1.9 | 31        |
| 30 | Measurement and Modeling of Phase Equilibria for Ethanol + Water + Methanol at Isobaric Condition. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 2114-2120.                | 1.9 | 10        |
| 31 | Intermolecular interactions in soybean oil+different organic solvents by ultrasonic velocity measurements. <i>Journal of Food Engineering</i> , 2006, 77, 152-161.                         | 5.2 | 22        |
| 32 | Measurements of Density and Refractive Index of Soybean Oil + Short Aliphatic Alcohols. <i>International Journal of Thermophysics</i> , 2006, 27, 1463-1481.                               | 2.1 | 14        |
| 33 | Azeotropic behaviour of (benzene+cyclohexane+chlorobenzene) ternary mixture using chlorobenzene as entrainer at 101.3kPa. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 1725-1736. | 2.0 | 10        |
| 34 | Measurement and modelling of phase equilibria for ethanol+water+1-pentanol at isobaric condition. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 631-637.                       | 2.7 | 7         |
| 35 | Fluid phase topology of ethanol+benzene+cyclohexane at 101.3kPa. <i>Physics and Chemistry of Liquids</i> , 2006, 44, 607-621.  | 1.2 | 0         |
| 36 | Excess molar volumes of the ternary mixtures chlorobenzene+n-hexane+linear aliphatic alkane (C11-C12) at 298.15 K. <i>Journal of Molecular Liquids</i> , 2005, 122, 87-94.                 | 4.9 | 11        |

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|----|--|-----|-----------|
| 37 | Effect of Temperature on the Change of Refractive Index on Mixing for Butyl Acetate + Aromatic Hydrocarbons. International Journal of Thermophysics, 2005, 26, 1437-1459.  | 2.1 | 28        |
| 38 | Excess molar internal pressures and changes in refractive indices of acetone+methanol+(2-methyl-1-propanol or 3-methyl-1-butanol) at 298.15 K. Physics and Chemistry of Liquids, 2005, 43, 473-483.  | 1.2 | 13        |
| 39 | Influence of temperature on ultrasonic velocity measurements of ethanol+water+ethyl acetate mixtures. Physics and Chemistry of Liquids, 2005, 43, 65-89.   | 1.2 | 23        |
| 40 | Excess molar volumes of ternary mixtures containing benzene, cyclohexane, 1-pentanol and anisole at 298.15 K. Physics and Chemistry of Liquids, 2005, 43, 551-557.   | 1.2 | 8         |
| 41 | Change of refractive indices in ternary mixtures containing chlorobenzene + n-hexane + (n-heptane or) Tj ETQq1 1 0.784314 $\rho_{BT} / \rho_{overlock}$  | 0.8 | 12        |
| 42 | Ultrasonic velocity measurements for butyl acetate+hydrocarbon mixtures. Physics and Chemistry of Liquids, 2004, 42, 521-543.  | 1.2 | 23        |
| 43 | Changes of refractive indices of the ternary mixtures chlorobenzene +n-hexane + (n-nonane) Tj ETQq1 1 0.784314 $\rho_{BT} / \rho_{overlock}$   | 1.2 | 10        |
| 44 | Ultrasonic velocity measurements for the ternary mixtures chlorobenzene +n-hexane + linear aliphatic alkane (C7-C8) at 298.15 K. Physics and Chemistry of Liquids, 2004, 42, 323-337.  | 1.2 | 13        |
| 45 | Thermodynamics of binary mixtures of aliphatic linear alkanes (C6-C12) at 298.15 K. Physics and Chemistry of Liquids, 2004, 42, 37-51.   | 1.2 | 28        |
| 46 | Temperature Dependence of Excess Molar Volumes of Ethanol + Water + Ethyl Acetate. Journal of Solution Chemistry, 2004, 33, 169-198.   | 1.2 | 41        |
| 47 | Mixing properties of isopropyl acetate+aromatic hydrocarbons at 298.15 K: Density, refractive index and isentropic compressibility. Korean Journal of Chemical Engineering, 2004, 21, 1015-1025.   | 2.7 | 20        |
| 48 | Influence of temperature on excess molar volumes for butyl acetate+aromatic hydrocarbons. Physics and Chemistry of Liquids, 2004, 42, 493-520.   | 1.2 | 17        |
| 49 | Density, Refractive Index, and Speed of Sound at 298.15 K and Vapor-Liquid Equilibria at 101.3 kPa for Binary Mixtures of Ethyl Acetate + 1-Pentanol and Ethanol + 2-Methyl-1-propanol. Journal of Chemical & Engineering Data, 2004, 49, 804-808. | 1.9 | 50        |
| 50 | Influence of temperature on the volumetric properties of ethanol + water + 1-pentanol. Journal of the Serbian Chemical Society, 2004, 69, 1073-1097.   | 0.8 | 12        |
| 51 | Liquid phase behaviour and thermodynamics of acetone+methanol+n-alkane (C9-C12) mixtures. Fluid Phase Equilibria, 2003, 206, 61-85.  | 2.5 | 20        |
| 52 | Effect of Temperature on the Refractive Index of Aliphatic Hydroxilic Mixtures (C2-C3). International Journal of Thermophysics, 2002, 23, 513-527.   | 2.1 | 40        |
| 53 | Derived Properties of Binary Mixtures Containing (Acetone or Methanol) + Hydroxil Compounds. Physics and Chemistry of Liquids, 2001, 39, 99-116.   | 1.2 | 47        |
| 54 | Temperature influence on refractive indices and isentropic compressibilities of alcohol (C2-C4)+olive oil mixtures. Journal of Food Engineering, 2001, 50, 29-40.  | 5.2 | 26        |

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|----|---|-----|-----------|
| 55 | Changes in refractive indices of ternary mixtures containing benzene, cyclohexane, 1-pentanol, and anisole at T=298.15 K. Journal of Chemical Thermodynamics, 2001, 33, 555-564.  | 2.0 | 4         |
| 56 | Excess volumes of binary mixtures of vinyl acetate and aromatic hydrocarbons. Journal of Chemical Thermodynamics, 2001, 33, 723-732.  | 2.0 | 30        |
| 57 | (Vapour + liquid) equilibria for the ternary system (benzene+ cyclohexane + anisole) at p= 101.32 kPa. Journal of Chemical Thermodynamics, 2001, 33, 1765-1776.   | 2.0 | 4         |
| 58 | Thermodynamic Properties of the Mixture Acetone + Methanol + n-Octane at 25Å°C. Journal of Solution Chemistry, 2001, 30, 133-148.   | 1.2 | 11        |
| 59 | Thermodynamic properties of the system (acetone + methanol+n -heptane) atT= 298.15 K. Journal of Chemical Thermodynamics, 2000, 32, 483-497.  | 2.0 | 18        |
| 60 | Thermodynamics of (anisole + benzene, or toluene, orn-hexane, or cyclohexane, or 1-butanol, or) Tj ETQq0 0 0 rgBT/Overlock,10 Tf 50 5   | 2.0 | 44        |
| 61 | 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 | 14        |
| 62 | Temperature Dependence of Changes of Refractive Index in Methyl Acetate, Ethanol and 2-Propanol Mixtures. Physics and Chemistry of Liquids, 2000, 38, 623-633.  | 1.2 | 14        |
| 63 | Volumetric properties prediction by cubic EOS for non-ideal mixtures: application to the ternary system acetone+methanol+n-hexane. Thermochemica Acta, 1999, 328, 265-275.  | 2.7 | 11        |
| 64 | Temperature dependence of excess molar volumes in (n-alkane (C6â€“C9) or alcohol (C2â€“C4))+olive oil mixtures. Thermochemica Acta, 1999, 328, 277-296.   | 2.7 | 52        |
| 65 | 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 | 35        |
| 66 | Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1999, 56, 381-394.  | 1.4 | 14        |
| 67 | Thermodynamic properties of (acetone+methanol+2-butanol ) atT=298.15K. Journal of Chemical Thermodynamics, 1999, 31, 497-512.   | 2.0 | 14        |
| 68 | Changes of Refractive Indices for the Ternary Mixture Acetone + Methanol + <i>n</i> -Hexane at 288.15 and 298.15 K. Physics and Chemistry of Liquids, 1999, 37, 741-756.  | 1.2 | 0         |
| 69 | Thermodynamic Properties of Alkanediols+Acetates at 298.15 K. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1998, 52, 915-932.   | 1.4 | 28        |
| 70 | 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 | 35        |
| 71 | Mixing properties and derived magnitudes of the system {x1 CH3COOCH3+x2 CH3OH+(1âˆ“x1 âˆ“x2) Tj ETQq1 1 0,784314 rgBT/Overlock,10 Tf 50 5   | 2.0 | 7         |
| 72 | Mixing properties of (methanol, ethanol, or 1-propanol) with (n-pentane, n-hexane, n-heptane and) Tj ETQq0 0 0 rgBT/Overlock,10 Tf 50 5   | 2.5 | 181       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Densities, refractive indices, and derived excess properties of $\{x_1\text{CH}_3\text{COOCH}_3+x_2\text{CH}_3\text{OH}+(1-x_1-x_2)\text{CH}_3\text{CH}(\text{OH})\text{CH}_3\}$ at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1997, 29, 907-920. | 2.0 | 12        |
| 74 | Refractive indices, densities and excess properties on mixing of the systems acetone + methanol + water and acetone + methanol + 1-butanol at 298.15 K. Fluid Phase Equilibria, 1996, 126, 203-223.  | 2.5 | 106       |
| 75 | Densities and refractive indices of $\{x_1\text{CH}_3\text{COCH}_3+x_2\text{CH}_3\text{OH}+(1-x_1-x_2)\text{CH}_3(\text{CH}_2)_4\text{OH}\}$ at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1995, 27, 253-258.                                     | 2.0 | 6         |
| 76 | Densities, refractive indices, and derived excess properties of $\{x_1\text{CH}_3\text{COCH}_3+x_2\text{CH}_3\text{OH}+(1-x_1-x_2)\text{CH}_3\text{CH}(\text{OH})\text{CH}_3\}$ at the temperature 298.15K. Journal of Chemical Thermodynamics, 1995, 27, 1161-1167. | 2.0 | 18        |
| 77 | Vapor-Liquid Equilibria for the Ternary System Acetone + Methanol + Chlorobenzene at 101.325 kPa. Journal of Chemical & Engineering Data, 1995, 40, 1203-1205.   | 1.9 | 8         |
| 78 | Densities, Refractive Indices, Speeds of Sound, and Isentropic Compressibilities of Benzene + Cyclohexane + 1-Pentanol at 298.15 K. Journal of Chemical & Engineering Data, 1995, 40, 260-263.   | 1.9 | 27        |
| 79 | Densities and Refractive Indices of Acetone + Methanol + 2-Methyl-2-butanol at 298.15 K. Journal of Chemical & Engineering Data, 1995, 40, 1199-1202.  | 1.9 | 8         |

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