# Abolghasem Jouyban

List of Publications by Year
in descending order

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|---|---|---|---|
| 728 papers | 15,757 citations | 28274 55 h-index | 49909 87 g-index |
| 742 all docs | 742 docs citations | 742 times ranked | 9260 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Review of the cosolvency models for predicting solubility of drugs in water-cosolvent mixtures. Journal of Pharmacy and Pharmaceutical Sciences, 2008, 11, 32. | 2.1 | 512 |
| 2 | Density, viscosity, and surface tension of water+ethanol mixtures from 293 to 323K. Korean Journal of Chemical Engineering, 2012, 29, 812-817. | 2.7 | 388 |
| 3 | Mathematical derivation of the Jouyban-Acree model to represent solute solubility data in mixed solvents at various temperatures. Journal of Molecular Liquids, 2018, 256, 541-547. | 4.9 | 269 |
| 4 | Comparison of models for describing multiple peaks in solubility profiles. International Journal of Pharmaceutics, 1998, 167, 177-182. | 5.2 | 235 |
| 5 | Comment on â€œMeasurement and Correlation of Solubilities of (Z)-2-(2-Aminothiazol-4-yl)-2-methoxyiminoacetic Acid in Different Pure Solvents and Binary Mixtures of Water + (Ethanol, Methanol, or Glycol)â€. Journal of Chemical & Engineering Data, 2012, 57, 1344-1346. | 1.9 | 218 |
| 6 | Solubility of Carvedilol in Ethanol + Propylene Glycol Mixtures at Various Temperatures. Industrial & Engineering Chemistry Research, 2013, 52, 16630-16636. | 3.7 | 209 |
| 7 | Comparison of various cosolvency models for calculating solute solubility in waterâ€“cosolvent mixtures. International Journal of Pharmaceutics, 1999, 177, 93-101. | 5.2 | 188 |
| 8 | A simple relationship between dielectric constant of mixed solvents with solvent composition and temperature. International Journal of Pharmaceutics, 2004, 269, 353-360. | 5.2 | 186 |
| 9 | Mathematical representation of solute solubility in supercritical carbon dioxide using empirical expressions. Journal of Supercritical Fluids, 2002, 24, 19-35. | 3.2 | 166 |
| 10 | Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders. BioImpacts, 2015, 5, 123-127. | 1.5 | 159 |
| 11 | A general model from theoretical cosolvency models. International Journal of Pharmaceutics, 1997, 152, 247-250. | 5.2 | 141 |
| 12 | Modeling the solubility and preferential solvation of gallic acid in cosolvent + water mixtures. Journal of Molecular Liquids, 2016, 224, 502-506. | 4.9 | 138 |
| 13 | Calculation of the Viscosity of Binary Liquids at Various Temperatures Using Jouyban-Acree Model. Chemical and Pharmaceutical Bulletin, 2005, 53, 519-523. | 1.3 | 135 |
| 14 | Review of Pharmaceutical Applications of N-Methyl-2-Pyrrolidone. Journal of Pharmacy and Pharmaceutical Sciences, 2010, 13, 524. | 2.1 | 133 |
| 15 | A novel method for improvement of predictability of the CNIBS/R-K equation. International Journal of Pharmaceutics, 1997, 154, 245-247. | 5.2 | 118 |
| 16 | Graphene quantum dot modified glassy carbon electrode for the determination of doxorubicin hydrochloride in human plasma. Journal of Pharmaceutical Analysis, 2016, 6, 235-241. | 5.3 | 113 |
| 17 | Handbook of Solubility Data for Pharmaceuticals. , 0, , . | | 108 |
| 18 | Voltammetric behavior and determination of isoniazid in pharmaceuticals by using overoxidized polypyrrole glassy carbon modified electrode. Journal of Electroanalytical Chemistry, 2006, 589, 32-37. | 3.8 | 104 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Review of the Cosolvency Models for Predicting Drug Solubility in Solvent Mixtures: An Update. Journal of Pharmacy and Pharmaceutical Sciences, 2019, 22, 466-485. | 2.1 | 101 |
| 20 | Solubility of Nifedipine in Ethanol + Water and Propylene Glycol + Water Mixtures at 293.2 to 313.2 K. Industrial & Engineering Chemistry Research, 2013, 52, 14353-14358. | 3.7 | 96 |
| 21 | Solubility of Chlordiazepoxide, Diazepam, and Lorazepam in Ethanol + Water Mixtures at 303.2 K. Journal of Chemical & Engineering Data, 2009, 54, 2142-2145. | 1.9 | 94 |
| 22 | Pharmaceuticals Solubility is Still Nowadays Widely Studied Everywhere. Pharmaceutical Sciences, 2017, 23, 1-2. | 0.2 | 91 |
| 23 | Solution thermodynamics and preferential solvation of sulfamethazine in (methanol + water) mixtures. Journal of Chemical Thermodynamics, 2016, 97, 264-276. | 2.0 | 87 |
| 24 | A new kineticâ€“mechanistic approach to elucidate electrooxidation of doxorubicin hydrochloride in unprocessed human fluids using magnetic graphene based nanocomposite modified glassy carbon electrode. Materials Science and Engineering C, 2016, 61, 638-650. | 7.3 | 86 |
| 25 | In matrix formation of deep eutectic solvent used in liquid phase extraction coupled with solidification of organic droplets dispersive liquid-liquid microextraction; application in determination of some pesticides in milk samples. Talanta, 2020, 206, 120169. | 5.5 | 85 |
| 26 | Targeting and sensing of some cancer cells using folate bioreceptor functionalized nitrogen-doped graphene quantum dots. International Journal of Biological Macromolecules, 2018, 118, 1021-1034. | 7.5 | 82 |
| 27 | Preferential solvation of etoricoxib in some aqueous binary cosolvent mixtures at 298.15ÂK. Physics and Chemistry of Liquids, 2017, 55, 291-303. | 1.2 | 80 |
| 28 | Optical sensors based on silver nanoparticles for determination of pharmaceuticals: An overview of advances in the last decade. Talanta, 2020, 217, 121071. | 5.5 | 80 |
| 29 | Preferential solvation of methocarbamol in aqueous binary co-solvent mixtures at 298.15 K. Physics and Chemistry of Liquids, 2014, 52, 726-737. | 1.2 | 77 |
| 30 | Solubility of naproxen in 2-propanol+water mixtures at various temperatures. Journal of Molecular Liquids, 2015, 206, 110-113. | 4.9 | 75 |
| 31 | Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode. Electrochimica Acta, 2007, 52, 6248-6253. | 5.2 | 74 |
| 32 | Solubility of sulfapyridine in propylene glycol+water mixtures and correlation with the Jouybanâ€“Acree model. Fluid Phase Equilibria, 2013, 341, 86-95. | 2.5 | 74 |
| 33 | Spectroscopic Studies on the Interaction of Quercetinâ€“Terbium(III) Complex with Calf Thymus DNA. DNA and Cell Biology, 2011, 30, 195-201. | 1.9 | 71 |
| 34 | Forced degradation studies of biopharmaceuticals: Selection of stress conditions. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 98, 26-46. | 4.3 | 71 |
| 35 | Solubility of 2-Butyl-3-benzofuranyl 4-(2-(Diethylamino)ethoxy)-3,5-diiodophenyl Ketone Hydrochloride (Amiodarone HCl) in Ethanol + Water and N-Methyl-2-pyrrolidone + Water Mixtures at Various Temperatures. Journal of Chemical & Engineering Data, 2012, 57, 1544-1550. | 1.9 | 70 |
| 36 | Solubility Prediction of Paracetamol in Binary and Ternary Solvent Mixtures Using Jouyban-Acree Model. Chemical and Pharmaceutical Bulletin, 2006, 54, 428-431. | 1.3 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Density, viscosity, surface tension, and molar volume of propylene glycol + water mixtures from 293 to 323 K and correlations by the Jouybanâ€“Acree model. Arabian Journal of Chemistry, 2017, 10, S71-S75. | 4.9 | 69 |
| 38 | Measurement and correlation of deferiprone solubility: Investigation of solubility parameter and application of van't Hoff equation and Jouybanâ€“Acree model. Journal of Molecular Liquids, 2016, 215, 339-344. | 4.9 | 68 |
| 39 | Solubility and preferential solvation of some n-alkyl-parabens in methanol+water mixtures at 298.15K. Journal of Chemical Thermodynamics, 2017, 108, 26-37. | 2.0 | 68 |
| 40 | Solubility Prediction of Drugs in Water-Polyethylene Glycol 400 Mixtures Using Jouyban-Acree Model. Chemical and Pharmaceutical Bulletin, 2006, 54, 1561-1566. | 1.3 | 66 |
| 41 | Solubility of phenobarbital in aqueous cosolvent mixtures revisited: IKBI preferential solvation analysis. Physics and Chemistry of Liquids, 2017, 55, 432-443. | 1.2 | 66 |
| 42 | Probing the specific binding of folic acid to folate receptor using amino-functionalized mesoporous silica nanoparticles for differentiation of MCF 7 tumoral cells from MCF 10A. Biosensors and Bioelectronics, 2018, 115, 61-69. | 10.1 | 66 |
| 43 | Highly sensitive and specific cytosensing of HT 29 colorectal cancer cells using folic acid functionalized-KCC-1 nanoparticles. Biosensors and Bioelectronics, 2019, 132, 122-131. | 10.1 | 66 |
| 44 | Prediction of drug solubility in mixed solvents using computed Abraham parameters. Journal of Molecular Liquids, 2009, 146, 82-88. | 4.9 | 65 |
| 45 | Solubility Prediction in Supercritical CO2 Using Minimum Number of Experiments. Journal of Pharmaceutical Sciences, 2002, 91, 1287-1295. | 3.3 | 64 |
| 46 | Impact of Surface Tension in Pharmaceutical Sciences. Journal of Pharmacy and Pharmaceutical Sciences, 2009, 12, 218. | 2.1 | 62 |
| 47 | Determination of five antiarrhythmic drugs in human plasma by dispersive liquidâ€“liquid microextraction and high-performance liquid chromatography. Talanta, 2015, 134, 681-689. | 5.5 | 62 |
| 48 | Dispersive liquidâ€“liquid microextraction based on solidification of deep eutectic solvent droplets for analysis of pesticides in farmer urine and plasma by gas chromatographyâ€“mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 114-121. | 2.3 | 62 |
| 49 | Preparation and characterization of ceramic/carbon coated Fe3O4 magnetic nanoparticle nanocomposite as a solid-phase microextraction adsorbent. Journal of Chromatography A, 2012, 1245, 1-7. | 3.7 | 61 |
| 50 | Highly sensitive immunosensing of prostate specific antigen using poly cysteine caped by graphene quantum dots and gold nanoparticle: A novel signal amplification strategy. International Journal of Biological Macromolecules, 2017, 105, 522-532. | 7.5 | 61 |
| 51 | The potential of the capillary electrophoresis techniques for quality control of biopharmaceuticalsâ€”A review. Electrophoresis, 2015, 36, 831-858. | 2.4 | 59 |
| 52 | Drugâ€“Drug Coamorphous Systems: Characterization and Physicochemical Properties of Coamorphous Atorvastatin with Carvedilol and Glibenclamide. Journal of Pharmaceutical Innovation, 2013, 8, 218-228. | 2.4 | 58 |
| 53 | Immunosensing of breast cancer prognostic marker in adenocarcinoma cell lysates and unprocessed human plasma samples using gold nanostructure coated on organic substrate. International Journal of Biological Macromolecules, 2018, 118, 1082-1089. | 7.5 | 58 |
| 54 | Determination of total phenols in tea infusions, tomato and apple juice by terbium sensitized fluorescence method as an alternative approach to the Folinâ€“Ciocalteu spectrophotometric method. Food Chemistry, 2008, 108, 695-701. | 8.2 | 57 |

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| 55 | Solubility of Acetaminophen and Ibuprofen in the Mixtures of Polyethylene Glycol 200 or 400 with Ethanol and Water and the Density of Solute-Free Mixed Solvents at 298.2 K. Journal of Chemical & Engineering Data, 2010, 55, 5252-5257. | 1.9 | 57 |
| 56 | Ensuring food safety using aptamer based assays: Electroanalytical approach. TrAC - Trends in Analytical Chemistry, 2017, 94, 77-94. | 11.4 | 57 |
| 57 | A simple spectrophotometric method for determination of sodium diclofenac in pharmaceutical formulations. Il Farmaco, 2005, 60, 855-858. | 0.9 | 56 |
| 58 | Solubility prediction of polycyclic aromatic hydrocarbons in non-aqueous solvent mixtures. Fluid Phase Equilibria, 2010, 293, 47-58. | 2.5 | 56 |
| 59 | Solubility of naproxen in ethyl acetate+ethanol mixtures at several temperatures and correlation with the Jouybanâ€“Acree model. Fluid Phase Equilibria, 2012, 320, 49-55. | 2.5 | 55 |
| 60 | Sensing of doxorubicin hydrochloride using graphene quantum dot modified glassy carbon electrode. Journal of Molecular Liquids, 2016, 221, 354-357. | 4.9 | 55 |
| 61 | Solubility of celecoxib in {2-propanol (1)â€¯+â€¯water (2)} mixtures at various temperatures: Experimental data and thermodynamic analysis. Journal of Molecular Liquids, 2018, 254, 1-7. | 4.9 | 54 |
| 62 | Organic solvent-free elevated temperature liquidâ€“liquid extraction combined with a new switchable deep eutectic solvent-based dispersive liquidâ€“liquid microextraction of three phenolic antioxidants from oil samples. Microchemical Journal, 2021, 168, 106433. | 4.5 | 54 |
| 63 | Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles. Electrochimica Acta, 2011, 58, 336-347. | 5.2 | 53 |
| 64 | Solubility Prediction of Drugs in Mixed Solvents Using Partial Solubility Parameters. Journal of Pharmaceutical Sciences, 2011, 100, 4368-4382. | 3.3 | 53 |
| 65 | A Unified Cosolvency Model for Calculating Solute Solubility in Mixed Solvents. Chemical and Pharmaceutical Bulletin, 2005, 53, 634-637. | 1.3 | 52 |
| 66 | Electrochemical sensing of doxorubicin in unprocessed whole blood, cell lysate, and human plasma samples using thin film of poly-arginine modified glassy carbon electrode. Materials Science and Engineering C, 2017, 77, 790-802. | 7.3 | 52 |
| 67 | A novel paper based immunoassay of breast cancer specific carbohydrate (CA 15.3) using silver nanoparticles-reduced graphene oxide nano-ink technology: A new platform to construction of microfluidic paper-based analytical devices (Î¼PADs) towards biomedical analysis. Microchemical Journal, 2019, 146, 345-358. | 4.5 | 52 |
| 68 | Solubility correlation of structurally related drugs in binary solvent mixtures. International Journal of Pharmaceutics, 1998, 166, 205-209. | 5.2 | 50 |
| 69 | Coamorphous Atorvastatin Calcium to Improve its Physicochemical and Pharmacokinetic Properties. Journal of Pharmacy and Pharmaceutical Sciences, 2013, 16, 577. | 2.1 | 50 |
| 70 | Solubility of carbamazepine, nicotinamide and carbamazepineâ€“nicotinamide cocrystal in ethanolâ€“water mixtures. Fluid Phase Equilibria, 2014, 363, 97-105. | 2.5 | 50 |
| 71 | Theoretical and empirical approaches to express the mobility of small ions in capillary electrophoresis. Electrophoresis, 2006, 27, 992-1005. | 2.4 | 49 |
| 72 | Composition and Temperature Dependence of Density, Surface Tension, and Viscosity of EMIM DEP/MMIM DMP + Water + 1-Propanol/2-Propanol Ternary Mixtures and Their Mathematical Representation Using the Jouybanâ€“Acree Model. Journal of Chemical & Engineering Data, 2014, 59, 2337-2348. | 1.9 | 49 |

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| 73 | Calculation of electrophoretic mobilities in waterâ€“organic modifier mixtures in capillary electrophoresis. Journal of Chromatography A, 2000, 868, 277-284. | 3.7 | 48 |
| 74 | Solubility and dissolution rate of a carbamazepineâ€“cinnamic acid cocrystal. Journal of Molecular Liquids, 2013, 187, 171-176. | 4.9 | 48 |
| 75 | Solubility Prediction of Drugs in Binary Solvent Mixtures at Various Temperatures Using a Minimum Number of Experimental Data Points. AAPS PharmSciTech, 2019, 20, 10. | 3.3 | 48 |
| 76 | In silico prediction of drug solubility in water-ethanol mixtures using Jouyban-Acree model. Journal of Pharmacy and Pharmaceutical Sciences, 2006, 9, 262-9. | 2.1 | 48 |
| 77 | A Cosolvency Model to Predict Solubility of Drugs at Several Temperatures from a Limited Number of Solubility Measurements.. Chemical and Pharmaceutical Bulletin, 2002, 50, 594-599. | 1.3 | 47 |
| 78 | Modeling acid dissociation constant of analytes in binary solvents at various temperatures using Jouybanâ€“Acree model. Thermochimica Acta, 2005, 428, 119-123. | 2.7 | 46 |
| 79 | Nickel-aluminum layered double hydroxide as a nano-sorbent for the solid phase extraction of selenium, and its determination by continuous flow HG-AAS. Mikrochimica Acta, 2013, 180, 619-626. | 5.0 | 46 |
| 80 | Solubility of lamotrigine in binary and ternary mixtures of N-methyl pyrrolidone and water with polyethylene glycols 200, 400, and 600 at 298.2K. Journal of Molecular Liquids, 2013, 180, 1-6. | 4.9 | 45 |
| 81 | Graphene quantum dot as an electrically conductive material toward low potential detection: a new platform for interface science. Journal of Materials Science: Materials in Electronics, 2016, 27, 6488-6495. | 2.2 | 45 |
| 82 | Non-volatile compounds in exhaled breath condensate: review of methodological aspects. Analytical and Bioanalytical Chemistry, 2018, 410, 6411-6440. | 3.7 | 45 |
| 83 | Solubility and Solution Thermodynamics of Meloxicam in 1,4-Dioxane and Water Mixtures. Industrial & Engineering Chemistry Research, 2014, 53, 16550-16558. | 3.7 | 44 |
| 84 | Equilibrium solubility, Hansen solubility parameter, dissolution thermodynamics, transfer property and preferential solvation of zonisamide in aqueous binary mixtures of ethanol, acetonitrile, isopropanol and N,N-dimethylformamide. Journal of Molecular Liquids, 2021, 326, 115219. | 4.9 | 44 |
| 85 | Further Numerical Analyses on the Solubility of Sulfapyridine in Ethanol + Water Mixtures. Pharmaceutical Sciences, 2016, 22, 143-152. | 0.2 | 44 |
| 86 | Solubility of Lamotrigine, Diazepam, Clonazepam, and Phenobarbital in Propylene Glycol + Water Mixtures at 298.15 K. Journal of Chemical & Engineering Data, 2009, 54, 1153-1157. | 1.9 | 43 |
| 87 | Solubility of Budesonide, Hydrocortisone, and Prednisolone in Ethanol + Water Mixtures at 298.2 K. Journal of Chemical & Engineering Data, 2010, 55, 578-582. | 1.9 | 43 |
| 88 | Exhaled breath condensate as an alternative sample for drug monitoring. Bioanalysis, 2018, 10, 61-64. | 1.5 | 43 |
| 89 | Ultrasensitive bioassay of epitope of Mucin-16 protein (CA 125) in human plasma samples using a novel immunoassay based on silver conductive nano-ink: A new platform in early stage diagnosis of ovarian cancer and efficient management. International Journal of Biological Macromolecules, 2019, 126, 1255-1265. | 7.5 | 43 |
| 90 | Solubility of Lamotrigine, Diazepam, and Clonazepam in Ethanol + Water Mixtures at 298.15 K. Journal of Chemical & Engineering Data, 2009, 54, 1107-1109. | 1.9 | 42 |

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|---|---|---|---|
| 91 | Models for calculating solubility in binary solvent systems. International Journal of Pharmaceutics, 1996, 140, 237-246. | 5.2 | 41 |
| 92 | Solubility Prediction of Anthracene in Mixed Solvents Using a Minimum Number of Experimental Data.. Chemical and Pharmaceutical Bulletin, 2002, 50, 21-25. | 1.3 | 41 |
| 93 | Solubility and preferential solvation of meloxicam in methanol+water mixtures at 298.15K. Journal of Molecular Liquids, 2014, 197, 368-373. | 4.9 | 41 |
| 94 | Biological sample preparation: attempts on productivity increasing in bioanalysis. Bioanalysis, 2014, 6, 1691-1710. | 1.5 | 41 |
| 95 | Generally trained models to predict solubility of drugs in carbitol + water mixtures at various temperatures. Journal of Molecular Liquids, 2016, 219, 435-438. | 4.9 | 41 |
| 96 | A new correlative model to simulate the solubility of drugs in mono-solvent systems at various temperatures. Journal of Molecular Liquids, 2021, 343, 117587. | 4.9 | 41 |
| 97 | Surface Tension Calculation of Mixed Solvents with Respect to Solvent Composition and Temperature by Using Jouyban-Acree Model. Chemical and Pharmaceutical Bulletin, 2004, 52, 1219-1222. | 1.3 | 40 |
| 98 | Solubilization of drugs using sodium lauryl sulfate: Experimental data and modeling. Journal of Molecular Liquids, 2018, 268, 410-414. | 4.9 | 40 |
| 99 | Cross-linked chitosan/thiolated graphene quantum dots as a biocompatible polysaccharide towards aptamer immobilization. International Journal of Biological Macromolecules, 2019, 123, 1091-1105. | 7.5 | 40 |
| 100 | Dissolution thermodynamics and preferential solvation of ketoconazole in some {ethanol (1) + water (2)} mixtures. Journal of Molecular Liquids, 2020, 313, 113579. | 4.9 | 40 |
| 101 | Solubility Prediction for Furosemide in Water-Cosolvent Mixtures Using the Minimum Number of Experiments. Drug Development and Industrial Pharmacy, 2001, 27, 577-583. | 2.0 | 39 |
| 102 | Impurity analysis of pharmaceuticals using capillary electromigration methods. Electrophoresis, 2008, 29, 3531-3551. | 2.4 | 39 |
| 103 | Spectrofluorimetric determination of folic acid in tablets and urine samples using 1,10â€phenanthrolineâ€terbium probe. Luminescence, 2011, 26, 106-111. | 2.9 | 39 |
| 104 | Effects of fermentable high fiber diet supplementation on gut derived and conventional nitrogenous product in patients on maintenance hemodialysis: a randomized controlled trial. Nutrition and Metabolism, 2019, 16, 18. | 3.0 | 39 |
| 105 | Critical Review of Malondialdehyde Analysis in Biological Samples. Current Pharmaceutical Analysis, 2015, 12, 4-17. | 0.6 | 39 |
| 106 | QSAR analysis of diaryl COX-2 inhibitors: Comparison of feature selection and train-test data selection methods. European Journal of Medicinal Chemistry, 2010, 45, 2753-2760. | 5.5 | 38 |
| 107 | Solubility of Acetaminophen and Ibuprofen in Polyethylene Glycol 600, N-Methyl Pyrrolidone and Water Mixtures. Journal of Solution Chemistry, 2011, 40, 2032-2045. | 1.2 | 38 |
| 108 | Determination of lisinopril using Î²-cyclodextrin/graphene oxide-SO3H modified glassy carbon electrode. Journal of Applied Electrochemistry, 2014, 44, 821-830. | 2.9 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Surface tension in human pathophysiology and its application as a medical diagnostic tool. BioImpacts, 2015, 5, 29-44. | 1.5 | 38 |
| 110 | Solubility and preferential solvation of sulfadiazine, sulfamerazine and sulfamethazine in propylene glycol+water mixtures at 298.15K. Journal of Molecular Liquids, 2015, 204, 132-136. | 4.9 | 38 |
| 111 | Solubility and preferential solvation of acetaminophen in methanol + water mixtures at 298.15 K. Physics and Chemistry of Liquids, 2016, 54, 515-528. | 1.2 | 38 |
| 112 | Chiral separation of methadone in exhaled breath condensate using capillary electrophoresis. Analytical Methods, 2017, 9, 2342-2350. | 2.7 | 38 |
| 113 | Solubility of Acetaminophen and Ibuprofen in Binary and Ternary Mixtures of Polyethylene Glycol 600, Ethanol and Water. Chemical and Pharmaceutical Bulletin, 2010, 58, 219-224. | 1.3 | 37 |
| 114 | Aptamer-functionalized metal organic frameworks as an emerging nanoprobe in the food safety field: Promising development opportunities and translational challenges. TrAC - Trends in Analytical Chemistry, 2022, 152, 116622. | 11.4 | 37 |
| 115 | Ultratrace determination of arsenic in water samples by electrothermal atomic absorption spectrometry after pre-concentration with Mgâ€“Alâ€“Fe ternary layered double hydroxide nano-sorbent. Talanta, 2013, 116, 604-610. | 5.5 | 36 |
| 116 | Solubility of methocarbamol in some cosolvent+water mixtures at 298.15K and correlation with the Jouybanâ€“Acree model. Journal of Molecular Liquids, 2013, 188, 162-166. | 4.9 | 36 |
| 117 | Physicochemical characterization of a new cocrystal of ketoconazole. Powder Technology, 2014, 262, 242-248. | 4.2 | 36 |
| 118 | Thermodynamic Solubility Profile of Carbamazepineâ€“Cinnamic Acid Cocrystal at Different pH. Journal of Pharmaceutical Sciences, 2015, 104, 2559-2565. | 3.3 | 36 |
| 119 | Solubility and thermodynamic parameters of a novel anti-cancer drug (DHP-5) in polyethylene glycol 400 + water mixtures. Journal of Molecular Liquids, 2017, 229, 241-245. | 4.9 | 36 |
| 120 | Sensitive detection and determination of benzodiazepines using silver nanoparticles-N-GQDs ink modified electrode: A new platform for modern pharmaceutical analysis. Microchemical Journal, 2019, 145, 1050-1057. | 4.5 | 36 |
| 121 | Solubility, Hansen solubility parameter, solvent effect and preferential solvation of benorilate in aqueous mixtures of isopropanol, N,N-dimethylformamide, ethanol and N-methyl-2-pyrrolidinone. Journal of Chemical Thermodynamics, 2021, 161, 106517. | 2.0 | 36 |
| 122 | The Importance of Dielectric Constant for Drug Solubility Prediction in Binary Solvent Mixtures: Electrolytes and Zwitterions in Waterâ€‰+â€‰Ethanol. AAPS PharmSciTech, 2010, 11, 1726-1729. | 3.3 | 35 |
| 123 | Prediction of Dielectric Constants of Binary Solvents at Various Temperatures. Journal of Chemical & Engineering Data, 2010, 55, 2951-2963. | 1.9 | 35 |
| 124 | Solubility of Phenothiazine in Water, Ethanol, and Propylene Glycol at (298.2 to 338.2) K and Their Binary and Ternary Mixtures at 298.2 K. Journal of Chemical & Engineering Data, 2011, 56, 4352-4355. | 1.9 | 35 |
| 125 | Solubility of 2-Hydroxybenzoic Acid in Water, 1-Propanol, 2-Propanol, and 2-Propanone at (298.2 to) Tj ETQq1 1 0.784314 rgBT /Over 2012, 57, 3303-3307. | 1.9 | 35 |
| 126 | Mathematical Representation of Viscosity of Ionic Liquid + Molecular Solvent Mixtures at Various Temperatures Using the Jouybanâ€“Acree Model. Journal of Chemical & Engineering Data, 2013, 58, 1523-1528. | 1.9 | 35 |

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|---|---|---|---|
| 127 | Capillary electrophoresis with UV detection, on-line stacking and off-line dispersive liquidâ€“liquid microextraction for determination of verapamil enantiomers in plasma. Analytical Methods, 2015, 7, 5820-5829. | 2.7 | 35 |
| 128 | Multispectral and molecular docking studies on the interaction of human serum albumin with iohexol. Journal of Molecular Liquids, 2017, 248, 459-467. | 4.9 | 35 |
| 129 | Ultrasensitive immunoassay of tumor protein CA 15.3 in MCF-7 breast cancer cell lysates and unprocessed human plasma using gold nanoparticles doped on the structure of mesoporous silica. International Journal of Biological Macromolecules, 2018, 120, 2493-2508. | 7.5 | 35 |
| 130 | Solubility of Benzodiazepines in Polyethylene Glycol 200 + Water Mixtures at 303.2 K. Journal of Chemical & Engineering Data, 2010, 55, 519-522. | 1.9 | 34 |
| 131 | Analysis of losartan and carvedilol in urine and plasma samples using a dispersive liquidâ€“liquid microextraction isocratic HPLCâ€“UV method. Bioanalysis, 2012, 4, 2805-2821. | 1.5 | 34 |
| 132 | Solubility Determination of Tris(hydroxymethyl)aminomethane in Water + Methanol Mixtures at Various Temperatures Using a Laser Monitoring Technique. Journal of Chemical & Engineering Data, 2014, 59, 2305-2309. | 1.9 | 34 |
| 133 | Materials and methods of signal enhancement for spectroscopic whole blood analysis: Novel research overview. TrAC - Trends in Analytical Chemistry, 2017, 86, 122-142. | 11.4 | 34 |
| 134 | Determination and Comparison of Total Polyphenol and Vitamin C Contents of Natural Fresh and Commercial Fruit Juices. Pakistan Journal of Nutrition, 2010, 9, 968-972. | 0.2 | 34 |
| 135 | Solubility prediction of salmeterol xinafoate in waterâ€“dioxane mixtures. International Journal of Pharmaceutics, 2001, 216, 33-41. | 5.2 | 33 |
| 136 | Thermodynamic studies of fluphenazine decanoate solubility in propylene glycol+water mixtures and correlation with the Jouybanâ€“Acree model. Fluid Phase Equilibria, 2011, 308, 72-77. | 2.5 | 33 |
| 137 | Prediction of paracetamol solubility in cosolvency systems at different temperatures. Journal of Molecular Liquids, 2019, 273, 282-291. | 4.9 | 33 |
| 138 | Exploring the interactions of a Tb(III)â€“quercetin complex with serum albumins (HSA and BSA): spectroscopic and molecular docking studies. Luminescence, 2020, 35, 512-524. | 2.9 | 33 |
| 139 | The role of nanomaterials on the cancer cells sensing based on folate receptor: Analytical approach. TrAC - Trends in Analytical Chemistry, 2020, 125, 115834. | 11.4 | 33 |
| 140 | Investigation of the binding mechanism and inhibition of bovine liver catalase by quercetin: Multi-spectroscopic and computational study. BioImpacts, 2017, 7, 147-153. | 1.5 | 32 |
| 141 | Solubility of sulfacetamide in (ethanol + water) mixtures: Measurement, correlation, thermodynamics, preferential solvation and volumetric contribution at saturation. Journal of Molecular Liquids, 2019, 290, 111219. | 4.9 | 32 |
| 142 | Ultrasensitive immunoassay of breast cancer type 1 susceptibility protein (BRCA1) using poly (dopamine-beta cyclodextrine-Cetyl trimethylammonium bromide) doped with silver nanoparticles: A new platform in early stage diagnosis of breast cancer and efficient management. Microchemical Journal, 2019, 145, 778-783. | 4.5 | 32 |
| 143 | Application of bioactive cyclic oligosaccharide on the detection of doxorubicin hydrochloride in unprocessed human plasma sample: A new platform towards efficient chemotherapy. Microchemical Journal, 2019, 145, 450-455. | 4.5 | 32 |
| 144 | Spectrofluorimetric cytosensing of colorectal cancer cells using terbium-doped dendritic fibrous nano-silica functionalized by folic acid: A novel optical cytosensor for cancer detection. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 113077. | 2.8 | 32 |

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