

# Abolghasem Jouyban

## List of Publications by Year in descending order

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728  
papers

15,757  
citations

28190

55  
h-index

49773

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. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2008, 11, 32.	0.9	512
2	Density, viscosity, and surface tension of water+ethanol mixtures from 293 to 323K. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 812-817.	1.2	388
3	Mathematical derivation of the Jouyban-Acree model to represent solute solubility data in mixed solvents at various temperatures. <i>Journal of Molecular Liquids</i> , 2018, 256, 541-547.	2.3	269
4	Comparison of models for describing multiple peaks in solubility profiles. <i>International Journal of Pharmaceutics</i> , 1998, 167, 177-182.	2.6	235
5	Comment on "Measurement and Correlation of Solubilities of ( <i>Z</i> )-2-(2-Aminothiazol-4-yl)-2-methoxyiminoacetic Acid in Different Pure Solvents and Binary Mixtures of Water + (Ethanol, Methanol, or Glycol)" <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1344-1346.	1.0	218
6	Solubility of Carvedilol in Ethanol + Propylene Glycol Mixtures at Various Temperatures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 16630-16636.	1.8	209
7	Comparison of various cosolvency models for calculating solute solubility in water-cosolvent mixtures. <i>International Journal of Pharmaceutics</i> , 1999, 177, 93-101.	2.6	188
8	A simple relationship between dielectric constant of mixed solvents with solvent composition and temperature. <i>International Journal of Pharmaceutics</i> , 2004, 269, 353-360.	2.6	186
9	Mathematical representation of solute solubility in supercritical carbon dioxide using empirical expressions. <i>Journal of Supercritical Fluids</i> , 2002, 24, 19-35.	1.6	166
10	Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders. <i>BioImpacts</i> , 2015, 5, 123-127.	0.7	159
11	A general model from theoretical cosolvency models. <i>International Journal of Pharmaceutics</i> , 1997, 152, 247-250.	2.6	141
12	Modeling the solubility and preferential solvation of gallic acid in cosolvent + water mixtures. <i>Journal of Molecular Liquids</i> , 2016, 224, 502-506.	2.3	138
13	Calculation of the Viscosity of Binary Liquids at Various Temperatures Using Jouyban-Acree Model. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 519-523.	0.6	135
14	Review of Pharmaceutical Applications of N-Methyl-2-Pyrrolidone. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2010, 13, 524.	0.9	133
15	A novel method for improvement of predictability of the CNIBS/R-K equation. <i>International Journal of Pharmaceutics</i> , 1997, 154, 245-247.	2.6	118
16	Graphene quantum dot modified glassy carbon electrode for the determination of doxorubicin hydrochloride in human plasma. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 235-241.	2.4	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. <i>Journal of Electroanalytical Chemistry</i> , 2006, 589, 32-37.	1.9	104

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19	Review of the Cosolvency Models for Predicting Drug Solubility in Solvent Mixtures: An Update. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2019, 22, 466-485.	0.9	101
20	Solubility of Nifedipine in Ethanol + Water and Propylene Glycol + Water Mixtures at 293.2 to 313.2 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 14353-14358.	1.8	96
21	Solubility of Chlordiazepoxide, Diazepam, and Lorazepam in Ethanol + Water Mixtures at 303.2 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 2142-2145.	1.0	94
22	Pharmaceuticals Solubility is Still Nowadays Widely Studied Everywhere. <i>Pharmaceutical Sciences</i> , 2017, 23, 1-2.	0.1	91
23	Solution thermodynamics and preferential solvation of sulfamethazine in (methanol + water) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 264-276.	1.0	87
24	A new kinetic/mechanistic approach to elucidate electrooxidation of doxorubicin hydrochloride in unprocessed human fluids using magnetic graphene based nanocomposite modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2016, 61, 638-650.	3.8	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. <i>Talanta</i> , 2020, 206, 120169.	2.9	85
26	Targeting and sensing of some cancer cells using folate bioreceptor functionalized nitrogen-doped graphene quantum dots. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1021-1034.	3.6	82
27	Preferential solvation of etoricoxib in some aqueous binary cosolvent mixtures at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2017, 55, 291-303.	0.4	80
28	Optical sensors based on silver nanoparticles for determination of pharmaceuticals: An overview of advances in the last decade. <i>Talanta</i> , 2020, 217, 121071.	2.9	80
29	Preferential solvation of methocarbamol in aqueous binary co-solvent mixtures at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2014, 52, 726-737.	0.4	77
30	Solubility of naproxen in 2-propanol+water mixtures at various temperatures. <i>Journal of Molecular Liquids</i> , 2015, 206, 110-113.	2.3	75
31	Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007, 52, 6248-6253.	2.6	74
32	Solubility of sulfapyridine in propylene glycol+water mixtures and correlation with the Jouyban-Acree model. <i>Fluid Phase Equilibria</i> , 2013, 341, 86-95.	1.4	74
33	Spectroscopic Studies on the Interaction of Quercetin/Terbium(III) Complex with Calf Thymus DNA. <i>DNA and Cell Biology</i> , 2011, 30, 195-201.	0.9	71
34	Forced degradation studies of biopharmaceuticals: Selection of stress conditions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 98, 26-46.	2.0	71
35	Solubility of 2-Butyl-3-benzofuranyl 4-(2-(Diethylamino)ethoxy)-3,5-diiodophenyl Ketone Hydrochloride (Amiodarone HCl) in Ethanol + Water and <i>N</i> -Methyl-2-pyrrolidone + Water Mixtures at Various Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1544-1550.	1.0	70
36	Solubility Prediction of Paracetamol in Binary and Ternary Solvent Mixtures Using Jouyban-Acree Model. <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 428-431.	0.6	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 Jouyban-Acree model. <i>Arabian Journal of Chemistry</i> , 2017, 10, S71-S75.	2.3	69
38	Measurement and correlation of deferiprone solubility: Investigation of solubility parameter and application of van't Hoff equation and Jouyban-Acree model. <i>Journal of Molecular Liquids</i> , 2016, 215, 339-344.	2.3	68
39	Solubility and preferential solvation of some n-alkyl-parabens in methanol+water mixtures at 298.15K. <i>Journal of Chemical Thermodynamics</i> , 2017, 108, 26-37.	1.0	68
40	Solubility Prediction of Drugs in Water-Polyethylene Glycol 400 Mixtures Using Jouyban-Acree Model. <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 1561-1566.	0.6	66
41	Solubility of phenobarbital in aqueous cosolvent mixtures revisited: IKBI preferential solvation analysis. <i>Physics and Chemistry of Liquids</i> , 2017, 55, 432-443.	0.4	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. <i>Biosensors and Bioelectronics</i> , 2018, 115, 61-69.	5.3	66
43	Highly sensitive and specific cytosensing of HT 29 colorectal cancer cells using folic acid functionalized-KCC-1 nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 132, 122-131.	5.3	66
44	Prediction of drug solubility in mixed solvents using computed Abraham parameters. <i>Journal of Molecular Liquids</i> , 2009, 146, 82-88.	2.3	65
45	Solubility Prediction in Supercritical CO <sub>2</sub> Using Minimum Number of Experiments. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 1287-1295.	1.6	64
46	Impact of Surface Tension in Pharmaceutical Sciences. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2009, 12, 218.	0.9	62
47	Determination of five antiarrhythmic drugs in human plasma by dispersive liquid-liquid microextraction and high-performance liquid chromatography. <i>Talanta</i> , 2015, 134, 681-689.	2.9	62
48	Dispersive liquid-liquid microextraction based on solidification of deep eutectic solvent droplets for analysis of pesticides in farmer urine and plasma by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1124, 114-121.	1.2	62
49	Preparation and characterization of ceramic/carbon coated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticle nanocomposite as a solid-phase microextraction adsorbent. <i>Journal of Chromatography A</i> , 2012, 1245, 1-7.	1.8	61
50	Highly sensitive immunosensing of prostate specific antigen using poly cysteine capped by graphene quantum dots and gold nanoparticle: A novel signal amplification strategy. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 522-532.	3.6	61
51	The potential of the capillary electrophoresis techniques for quality control of biopharmaceuticals—A review. <i>Electrophoresis</i> , 2015, 36, 831-858.	1.3	59
52	Drug-Drug Coamorphous Systems: Characterization and Physicochemical Properties of Coamorphous Atorvastatin with Carvedilol and Glibenclamide. <i>Journal of Pharmaceutical Innovation</i> , 2013, 8, 218-228.	1.1	58
53	Immunosensing of breast cancer prognostic marker in adenocarcinoma cell lysates and unprocessed human plasma samples using gold nanostructure coated on organic substrate. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1082-1089.	3.6	58
54	Determination of total phenols in tea infusions, tomato and apple juice by terbium sensitized fluorescence method as an alternative approach to the Folin-Ciocalteu spectrophotometric method. <i>Food Chemistry</i> , 2008, 108, 695-701.	4.2	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. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 5252-5257.	1.0	57
56	Ensuring food safety using aptamer based assays: Electroanalytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 94, 77-94.	5.8	57
57	A simple spectrophotometric method for determination of sodium diclofenac in pharmaceutical formulations. <i>Il Farmaco</i> , 2005, 60, 855-858.	0.9	56
58	Solubility prediction of polycyclic aromatic hydrocarbons in non-aqueous solvent mixtures. <i>Fluid Phase Equilibria</i> , 2010, 293, 47-58.	1.4	56
59	Solubility of naproxen in ethyl acetate+ethanol mixtures at several temperatures and correlation with the Jouyban-Acree model. <i>Fluid Phase Equilibria</i> , 2012, 320, 49-55.	1.4	55
60	Sensing of doxorubicin hydrochloride using graphene quantum dot modified glassy carbon electrode. <i>Journal of Molecular Liquids</i> , 2016, 221, 354-357.	2.3	55
61	Solubility of celecoxib in {2-propanol (1)+water (2)} mixtures at various temperatures: Experimental data and thermodynamic analysis. <i>Journal of Molecular Liquids</i> , 2018, 254, 1-7.	2.3	54
62	Organic solvent-free elevated temperature liquid-liquid extraction combined with a new switchable deep eutectic solvent-based dispersive liquid-liquid microextraction of three phenolic antioxidants from oil samples. <i>Microchemical Journal</i> , 2021, 168, 106433.	2.3	54
63	Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles. <i>Electrochimica Acta</i> , 2011, 58, 336-347.	2.6	53
64	Solubility Prediction of Drugs in Mixed Solvents Using Partial Solubility Parameters. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4368-4382.	1.6	53
65	A Unified Cosolvency Model for Calculating Solute Solubility in Mixed Solvents. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 634-637.	0.6	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. <i>Materials Science and Engineering C</i> , 2017, 77, 790-802.	3.8	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 (µPADs) towards biomedical analysis. <i>Microchemical Journal</i> , 2019, 146, 345-358.	2.3	52
68	Solubility correlation of structurally related drugs in binary solvent mixtures. <i>International Journal of Pharmaceutics</i> , 1998, 166, 205-209.	2.6	50
69	Coamorphous Atorvastatin Calcium to Improve its Physicochemical and Pharmacokinetic Properties. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2013, 16, 577.	0.9	50
70	Solubility of carbamazepine, nicotinamide and carbamazepine-nicotinamide cocrystal in ethanol-water mixtures. <i>Fluid Phase Equilibria</i> , 2014, 363, 97-105.	1.4	50
71	Theoretical and empirical approaches to express the mobility of small ions in capillary electrophoresis. <i>Electrophoresis</i> , 2006, 27, 992-1005.	1.3	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 Jouyban-Acree Model. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 2337-2348.	1.0	49

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73	Calculation of electrophoretic mobilities in water-organic modifier mixtures in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 868, 277-284.	1.8	48
74	Solubility and dissolution rate of a carbamazepine-cinnamic acid cocrystal. <i>Journal of Molecular Liquids</i> , 2013, 187, 171-176.	2.3	48
75	Solubility Prediction of Drugs in Binary Solvent Mixtures at Various Temperatures Using a Minimum Number of Experimental Data Points. <i>AAPS PharmSciTech</i> , 2019, 20, 10.	1.5	48
76	In silico prediction of drug solubility in water-ethanol mixtures using Jouyban-Acree model. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2006, 9, 262-9.	0.9	48
77	A Cosolvency Model to Predict Solubility of Drugs at Several Temperatures from a Limited Number of Solubility Measurements.. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 594-599.	0.6	47
78	Modeling acid dissociation constant of analytes in binary solvents at various temperatures using Jouyban-Acree model. <i>Thermochemica Acta</i> , 2005, 428, 119-123.	1.2	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. <i>Mikrochimica Acta</i> , 2013, 180, 619-626.	2.5	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. <i>Journal of Molecular Liquids</i> , 2013, 180, 1-6.	2.3	45
81	Graphene quantum dot as an electrically conductive material toward low potential detection: a new platform for interface science. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6488-6495.	1.1	45
82	Non-volatile compounds in exhaled breath condensate: review of methodological aspects. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6411-6440.	1.9	45
83	Solubility and Solution Thermodynamics of Meloxicam in 1,4-Dioxane and Water Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 16550-16558.	1.8	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. <i>Journal of Molecular Liquids</i> , 2021, 326, 115219.	2.3	44
85	Further Numerical Analyses on the Solubility of Sulfapyridine in Ethanol + Water Mixtures. <i>Pharmaceutical Sciences</i> , 2016, 22, 143-152.	0.1	44
86	Solubility of Lamotrigine, Diazepam, Clonazepam, and Phenobarbital in Propylene Glycol + Water Mixtures at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 1153-1157.	1.0	43
87	Solubility of Budesonide, Hydrocortisone, and Prednisolone in Ethanol + Water Mixtures at 298.2 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 578-582.	1.0	43
88	Exhaled breath condensate as an alternative sample for drug monitoring. <i>Bioanalysis</i> , 2018, 10, 61-64.	0.6	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. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1255-1265.	3.6	43
90	Solubility of Lamotrigine, Diazepam, and Clonazepam in Ethanol + Water Mixtures at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 1107-1109.	1.0	42

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91	Models for calculating solubility in binary solvent systems. International Journal of Pharmaceutics, 1996, 140, 237-246.	2.6	41
92	Solubility Prediction of Anthracene in Mixed Solvents Using a Minimum Number of Experimental Data.. Chemical and Pharmaceutical Bulletin, 2002, 50, 21-25.	0.6	41
93	Solubility and preferential solvation of meloxicam in methanol+water mixtures at 298.15K. Journal of Molecular Liquids, 2014, 197, 368-373.	2.3	41
94	Biological sample preparation: attempts on productivity increasing in bioanalysis. Bioanalysis, 2014, 6, 1691-1710.	0.6	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.	2.3	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.	2.3	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.	0.6	40
98	Solubilization of drugs using sodium lauryl sulfate: Experimental data and modeling. Journal of Molecular Liquids, 2018, 268, 410-414.	2.3	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.	3.6	40
100	Dissolution thermodynamics and preferential solvation of ketoconazole in some {ethanol (1) + water (2)} mixtures. Journal of Molecular Liquids, 2020, 313, 113579.	2.3	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.	0.9	39
102	Impurity analysis of pharmaceuticals using capillary electromigration methods. Electrophoresis, 2008, 29, 3531-3551.	1.3	39
103	Spectrofluorimetric determination of folic acid in tablets and urine samples using 1,10-phenanthroline-terbium probe. Luminescence, 2011, 26, 106-111.	1.5	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.	1.3	39
105	Critical Review of Malondialdehyde Analysis in Biological Samples. Current Pharmaceutical Analysis, 2015, 12, 4-17.	0.3	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.	2.6	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.	0.6	38
108	Determination of lisinopril using $\beta$ -cyclodextrin/graphene oxide-SO <sub>3</sub> H modified glassy carbon electrode. Journal of Applied Electrochemistry, 2014, 44, 821-830.	1.5	38

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109	Surface tension in human pathophysiology and its application as a medical diagnostic tool. <i>BioImpacts</i> , 2015, 5, 29-44.	0.7	38
110	Solubility and preferential solvation of sulfadiazine, sulfamerazine and sulfamethazine in propylene glycol+water mixtures at 298.15K. <i>Journal of Molecular Liquids</i> , 2015, 204, 132-136.	2.3	38
111	Solubility and preferential solvation of acetaminophen in methanol + water mixtures at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2016, 54, 515-528.	0.4	38
112	Chiral separation of methadone in exhaled breath condensate using capillary electrophoresis. <i>Analytical Methods</i> , 2017, 9, 2342-2350.	1.3	38
113	Solubility of Acetaminophen and Ibuprofen in Binary and Ternary Mixtures of Polyethylene Glycol 600, Ethanol and Water. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 219-224.	0.6	37
114	Aptamer-functionalized metal organic frameworks as an emerging nanoprobe in the food safety field: Promising development opportunities and translational challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116622.	5.8	37
115	Ultratrace determination of arsenic in water samples by electrothermal atomic absorption spectrometry after pre-concentration with Mg-Al-Fe ternary layered double hydroxide nano-sorbent. <i>Talanta</i> , 2013, 116, 604-610.	2.9	36
116	Solubility of methocarbamol in some cosolvent+water mixtures at 298.15K and correlation with the Jouyban-Acree model. <i>Journal of Molecular Liquids</i> , 2013, 188, 162-166.	2.3	36
117	Physicochemical characterization of a new cocrystal of ketoconazole. <i>Powder Technology</i> , 2014, 262, 242-248.	2.1	36
118	Thermodynamic Solubility Profile of Carbamazepine-Cinnamic Acid Cocrystal at Different pH. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2559-2565.	1.6	36
119	Solubility and thermodynamic parameters of a novel anti-cancer drug (DHP-5) in polyethylene glycol 400 + water mixtures. <i>Journal of Molecular Liquids</i> , 2017, 229, 241-245.	2.3	36
120	Sensitive detection and determination of benzodiazepines using silver nanoparticles-N-GQDs ink modified electrode: A new platform for modern pharmaceutical analysis. <i>Microchemical Journal</i> , 2019, 145, 1050-1057.	2.3	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. <i>Journal of Chemical Thermodynamics</i> , 2021, 161, 106517.	1.0	36
122	The Importance of Dielectric Constant for Drug Solubility Prediction in Binary Solvent Mixtures: Electrolytes and Zwitterions in Water-Ethanol. <i>AAPS PharmSciTech</i> , 2010, 11, 1726-1729.	1.5	35
123	Prediction of Dielectric Constants of Binary Solvents at Various Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 2951-2963.	1.0	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. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4352-4355.	1.0	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 /Overbor	1.0	35
126	Mathematical Representation of Viscosity of Ionic Liquid + Molecular Solvent Mixtures at Various Temperatures Using the Jouyban-Acree Model. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1523-1528.	1.0	35



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127	Capillary electrophoresis with UV detection, on-line stacking and off-line dispersive liquid-liquid microextraction for determination of verapamil enantiomers in plasma. <i>Analytical Methods</i> , 2015, 7, 5820-5829.	1.3	35
128	Multispectral and molecular docking studies on the interaction of human serum albumin with iohexol. <i>Journal of Molecular Liquids</i> , 2017, 248, 459-467.	2.3	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. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2493-2508.	3.6	35
130	Solubility of Benzodiazepines in Polyethylene Glycol 200 + Water Mixtures at 303.2 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 519-522.	1.0	34
131	Analysis of losartan and carvedilol in urine and plasma samples using a dispersive liquid-liquid microextraction isocratic HPLC-UV method. <i>Bioanalysis</i> , 2012, 4, 2805-2821.	0.6	34
132	Solubility Determination of Tris(hydroxymethyl)aminomethane in Water + Methanol Mixtures at Various Temperatures Using a Laser Monitoring Technique. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 2305-2309.	1.0	34
133	Materials and methods of signal enhancement for spectroscopic whole blood analysis: Novel research overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 122-142.	5.8	34
134	Determination and Comparison of Total Polyphenol and Vitamin C Contents of Natural Fresh and Commercial Fruit Juices. <i>Pakistan Journal of Nutrition</i> , 2010, 9, 968-972.	0.2	34
135	Solubility prediction of salmeterol xinafoate in water-dioxane mixtures. <i>International Journal of Pharmaceutics</i> , 2001, 216, 33-41.	2.6	33
136	Thermodynamic studies of fluphenazine decanoate solubility in propylene glycol+water mixtures and correlation with the Jouyban-Acree model. <i>Fluid Phase Equilibria</i> , 2011, 308, 72-77.	1.4	33
137	Prediction of paracetamol solubility in cosolvency systems at different temperatures. <i>Journal of Molecular Liquids</i> , 2019, 273, 282-291.	2.3	33
138	Exploring the interactions of a Tb(III)-quercetin complex with serum albumins (HSA and BSA): spectroscopic and molecular docking studies. <i>Luminescence</i> , 2020, 35, 512-524.	1.5	33
139	The role of nanomaterials on the cancer cells sensing based on folate receptor: Analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115834.	5.8	33
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