

Abolghasem Jouyban

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#	Paper	IF	Citations
709	Review of the cosolvency models for predicting solubility of drugs in water-cosolvent mixtures. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2008 , 11, 32-58	3.4	438
708	Density, viscosity, and surface tension of water+ethanol mixtures from 293 to 323K. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 812-817	2.8	287
707	Comparison of models for describing multiple peaks in solubility profiles. <i>International Journal of Pharmaceutics</i> , 1998 , 167, 177-182	6.5	208
706	Comment on Measurement 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) <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1344-1346	2.8	204
705	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	6	199
704	Solubility of Carvedilol in Ethanol + Propylene Glycol Mixtures at Various Temperatures. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16630-16636	3.9	180
703	Comparison of various cosolvency models for calculating solute solubility in water-cosolvent mixtures. <i>International Journal of Pharmaceutics</i> , 1999 , 177, 93-101	6.5	163
702	A simple relationship between dielectric constant of mixed solvents with solvent composition and temperature. <i>International Journal of Pharmaceutics</i> , 2004 , 269, 353-60	6.5	151
701	Mathematical representation of solute solubility in supercritical carbon dioxide using empirical expressions. <i>Journal of Supercritical Fluids</i> , 2002 , 24, 19-35	4.2	133
700	A general model from theoretical cosolvency models. <i>International Journal of Pharmaceutics</i> , 1997 , 152, 247-250	6.5	125
699	Modeling the solubility and preferential solvation of gallic acid in cosolvent + water mixtures. <i>Journal of Molecular Liquids</i> , 2016 , 224, 502-506	6	111
698	Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders. <i>BiolImpacts</i> , 2015 , 5, 123-7	3.5	110
697	Calculation of the viscosity of binary liquids at various temperatures using Jouyban-Acree model. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 519-23	1.9	107
696	A novel method for improvement of predictability of the CNIBS/R-K equation. <i>International Journal of Pharmaceutics</i> , 1997 , 154, 245-247	6.5	105
695	Review of pharmaceutical applications of N-methyl-2-pyrrolidone. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2010 , 13, 524-35	3.4	103
694	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	4.1	92
693	Handbook of Solubility Data for Pharmaceuticals		88

692	Solubility of Nifedipine in Ethanol + Water and Propylene Glycol + Water Mixtures at 293.2 to 313.2 K. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14353-14358	3.9	87
691	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	14	83
690	Solubility of Chlordiazepoxide, Diazepam, and Lorazepam in Ethanol + Water Mixtures at 303.2 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2142-2145	2.8	82
689	Solution thermodynamics and preferential solvation of sulfamethazine in (methanol + water) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 264-276	2.9	74
688	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	1.5	68
687	Solubility of sulfapyridine in propylene glycol+water mixtures and correlation with the Jouyban-Acree model. <i>Fluid Phase Equilibria</i> , 2013 , 341, 86-95	2.5	68
686	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	1.5	66
685	Pharmaceuticals Solubility is Still Nowadays Widely Studied Everywhere 2017 , 23, 1-2		66
684	Spectroscopic studies on the interaction of quercetin-terbium(III) complex with calf thymus DNA. <i>DNA and Cell Biology</i> , 2011 , 30, 195-201	3.6	65
683	Electrocatalytic oxidation of hydrazine at overoxidized polypyrrole film modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007 , 52, 6248-6253	6.7	64
682	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. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1544-1550	2.8	62
681	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, 638-50	8.3	61
680	Solubility of naproxen in 2-propanol+water mixtures at various temperatures. <i>Journal of Molecular Liquids</i> , 2015 , 206, 110-113	6	61
679	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	2.9	57
678	Solubility prediction of drugs in water-polyethylene glycol 400 mixtures using Jouyban-acree model. <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 1561-6	1.9	57
677	Solubility prediction of paracetamol in binary and ternary solvent mixtures using Jouyban-Acree model. <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 428-31	1.9	57
676	Review of the cosolvency models for predicting solubility in solvent mixtures: An update. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2019 , 22, 466-485	3.4	57
675	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	6.2	57

674	Prediction of drug solubility in mixed solvents using computed Abraham parameters. <i>Journal of Molecular Liquids</i> , 2009 , 146, 82-88	6	56
673	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	7.9	55
672	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	8.5	55
671	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	7.9	54
670	Preparation and characterization of ceramic/carbon coated Fe ₃ O ₄ magnetic nanoparticle nanocomposite as a solid-phase microextraction adsorbent. <i>Journal of Chromatography A</i> , 2012 , 1245, 1-7	4.5	54
669	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	6.2	53
668	The potential of the capillary electrophoresis techniques for quality control of biopharmaceuticals-a review. <i>Electrophoresis</i> , 2015 , 36, 831-58	3.6	52
667	Solubility of phenobarbital in aqueous cosolvent mixtures revisited: IKBI preferential solvation analysis. <i>Physics and Chemistry of Liquids</i> , 2017 , 55, 432-443	1.5	52
666	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-S79	5.9	52
665	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	2.5	52
664	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	11.8	50
663	Solubility prediction of polycyclic aromatic hydrocarbons in non-aqueous solvent mixtures. <i>Fluid Phase Equilibria</i> , 2010 , 293, 47-58	2.5	50
662	Forced degradation studies of biopharmaceuticals: Selection of stress conditions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 98, 26-46	5.7	48
661	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 & Engineering Data</i> , 2010 , 55, 5252-5257	2.8	48
660	Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles. <i>Electrochimica Acta</i> , 2011 , 58, 336-347	6.7	47
659	Solubility prediction in supercritical CO ₂ using minimum number of experiments. <i>Journal of Pharmaceutical Sciences</i> , 2002 , 91, 1287-95	3.9	47
658	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	6	46
657	Solubility prediction of drugs in mixed solvents using partial solubility parameters. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 4368-82	3.9	46

656	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	3.2	45
655	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	7.9	45
654	A simple spectrophotometric method for determination of sodium diclofenac in pharmaceutical formulations. <i>Il Farmaco</i> , 2005 , 60, 855-8		45
653	Solubility correlation of structurally related drugs in binary solvent mixtures. <i>International Journal of Pharmaceutics</i> , 1998 , 166, 205-209	6.5	44
652	A unified cosolvency model for calculating solute solubility in mixed solvents. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 634-7	1.9	44
651	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	11.8	44
650	Ensuring food safety using aptamer based assays: Electroanalytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 94, 77-94	14.6	43
649	Theoretical and empirical approaches to express the mobility of small ions in capillary electrophoresis. <i>Electrophoresis</i> , 2006 , 27, 992-1005	3.6	43
648	Solubility and Solution Thermodynamics of Meloxicam in 1,4-Dioxane and Water Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 16550-16558	3.9	42
647	Solubility and dissolution rate of a carbamazepine-ninnamic acid cocrystal. <i>Journal of Molecular Liquids</i> , 2013 , 187, 171-176	6	42
646	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	1.8	42
645	Calculation of electrophoretic mobilities in water-organic modifier mixtures in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000 , 868, 277-84	4.5	42
644	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	3.4	42
643	Solubility of Budesonide, Hydrocortisone, and Prednisolone in Ethanol + Water Mixtures at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 578-582	2.8	41
642	Solubility of carbamazepine, nicotinamide and carbamazepine-nicotinamide cocrystal in ethanol-water mixtures. <i>Fluid Phase Equilibria</i> , 2014 , 363, 97-105	2.5	40
641	Impact of surface tension in pharmaceutical sciences. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2009 , 12, 218-28	3.4	40
640	Solubility prediction of anthracene in mixed solvents using a minimum number of experimental data. <i>Chemical and Pharmaceutical Bulletin</i> , 2002 , 50, 21-5	1.9	40
639	Sensing of doxorubicin hydrochloride using graphene quantum dot modified glassy carbon electrode. <i>Journal of Molecular Liquids</i> , 2016 , 221, 354-357	6	39

- 638 Coamorphous atorvastatin calcium to improve its physicochemical and pharmacokinetic properties. *Journal of Pharmacy and Pharmaceutical Sciences*, **2013**, 16, 577-87 3.4 39
- 637 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. *Journal of Chemical & Engineering Data*, **2014**, 59, 2337-2348 2.8 38
- 636 Solubility and preferential solvation of meloxicam in methanol + water mixtures at 298.15 K. *Journal of Molecular Liquids*, **2014**, 197, 368-373 6 38
- 635 Solubility of lamotrigine in binary and ternary mixtures of N-methyl pyrrolidone and water with polyethylene glycols 200, 400, and 600 at 298.2 K. *Journal of Molecular Liquids*, **2013**, 180, 1-6 6 38
- 634 A cosolvency model to predict solubility of drugs at several temperatures from a limited number of solubility measurements. *Chemical and Pharmaceutical Bulletin*, **2002**, 50, 594-9 1.9 38
- 633 Further Numerical Analyses on the Solubility of Sulfapyridine in Ethanol + Water Mixtures **2016**, 22, 143-152 38
- 632 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 2.1 38
- 631 Measurement and correlation of deferiprone solubility: Investigation of solubility parameter and application of van't Hoff equation and Jouyban-Acree model. *Journal of Molecular Liquids*, **2016**, 215, 339-344 6 37
- 630 Surface tension calculation of mixed solvents with respect to solvent composition and temperature by using Jouyban-Acree model. *Chemical and Pharmaceutical Bulletin*, **2004**, 52, 1219-22 1.9 37
- 629 Modeling acid dissociation constant of analytes in binary solvents at various temperatures using Jouyban-Acree model. *Thermochimica Acta*, **2005**, 428, 119-123 2.9 37
- 628 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 5.8 36
- 627 Solubility of Lamotrigine, Diazepam, and Clonazepam in Ethanol + Water Mixtures at 298.15 K. *Journal of Chemical & Engineering Data*, **2009**, 54, 1107-1109 2.8 36
- 626 Models for calculating solubility in binary solvent systems. *International Journal of Pharmaceutics*, **1996**, 140, 237-246 6.5 36
- 625 Generally trained models to predict solubility of drugs in carbitol + water mixtures at various temperatures. *Journal of Molecular Liquids*, **2016**, 219, 435-438 6 36
- 624 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 (PADs) towards biomedical analysis. *Microchemical Journal*, **2019**, 146, 345-359 4.8 36
- 623 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 8.3 35
- 622 Optical sensors based on silver nanoparticles for determination of pharmaceuticals: An overview of advances in the last decade. *Talanta*, **2020**, 217, 121071 6.2 35
- 621 Determination of lisinopril using β -cyclodextrin/graphene oxide-SO₃H modified glassy carbon electrode. *Journal of Applied Electrochemistry*, **2014**, 44, 821-830 2.6 35

620	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	6	35
619	Solubility of Lamotrigine, Diazepam, Clonazepam, and Phenobarbital in Propylene Glycol + Water Mixtures at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1153-1157	2.8	35
618	Impurity analysis of pharmaceuticals using capillary electromigration methods. <i>Electrophoresis</i> , 2008 , 29, 3531-51	3.6	35
617	Solubility prediction for furosemide in water-cosolvent mixtures using the minimum number of experiments. <i>Drug Development and Industrial Pharmacy</i> , 2001 , 27, 577-83	3.6	34
616	Cross-linked chitosan/thiolated graphene quantum dots as a biocompatible polysaccharide towards aptamer immobilization. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 1091-1105	7.9	34
615	Solubility of Acetaminophen and Ibuprofen in Polyethylene Glycol 600, N-Methyl Pyrrolidone and Water Mixtures. <i>Journal of Solution Chemistry</i> , 2011 , 40, 2032-2045	1.8	33
614	Solubility of Benzodiazepines in Polyethylene Glycol 200 + Water Mixtures at 303.2 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 519-522	2.8	33
613	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, 2805-21	2.1	32
612	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 ³¹	2.2	31
611	Spectrofluorimetric determination of folic acid in tablets and urine samples using 1,10-phenanthroline-terbium probe. <i>Luminescence</i> , 2011 , 26, 106-11	2.5	31
610	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, 219-24	1.9	31
609	QSAR analysis of diaryl COX-2 inhibitors: comparison of feature selection and train-test data selection methods. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 2753-60	6.8	31
608	Chiral separation of methadone in exhaled breath condensate using capillary electrophoresis. <i>Analytical Methods</i> , 2017 , 9, 2342-2350	3.2	30
607	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	6	30
606	Exhaled breath condensate as an alternative sample for drug monitoring. <i>Bioanalysis</i> , 2018 , 10, 61-64	2.1	30
605	Solubility Determination of Tris(hydroxymethyl)aminomethane in Water + Methanol Mixtures at Various Temperatures Using a Laser Monitoring Technique. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2305-2309	2.8	30
604	Biological sample preparation: attempts on productivity increasing in bioanalysis. <i>Bioanalysis</i> , 2014 , 6, 1691-710	2.1	30
603	Effects of fermentable high fiber diet supplementation on gut derived and conventional nitrogenous product in patients on maintenance hemodialysis: a randomized controlled trial. <i>Nutrition and Metabolism</i> , 2019 , 16, 18	4.6	29

602	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, 604-10	6.2	29
601	Thermodynamic Solubility Profile of Carbamazepine-Cinnamic Acid Cocrystal at Different pH. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 2559-65	3.9	29
600	Prediction of Dielectric Constants of Binary Solvents at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2951-2963	2.8	29
599	Solubility prediction of salmeterol xinafoate in water--dioxane mixtures. <i>International Journal of Pharmaceutics</i> , 2001 , 216, 33-41	6.5	29
598	Solubility Prediction of Drugs in Binary Solvent Mixtures at Various Temperatures Using a Minimum Number of Experimental Data Points. <i>AAPS PharmSciTech</i> , 2018 , 20, 10	3.9	29
597	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 , 100, 1055-1065	7.9	29
596	Solubility of sulfacetamide in (ethanol + water) mixtures: Measurement, correlation, thermodynamics, preferential solvation and volumetric contribution at saturation. <i>Journal of Molecular Liquids</i> , 2019 , 290, 111219	6	28
595	Dissolution thermodynamics and preferential solvation of ketoconazole in some {ethanol (1) + water (2)} mixtures. <i>Journal of Molecular Liquids</i> , 2020 , 313, 113579	6	28
594	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	1.5	28
593	Solution Thermodynamics of Piroxicam in some Ethanol + Water Mixtures and Correlation with the Jouyban-Acree Model. <i>Journal of Solution Chemistry</i> , 2013 , 42, 358-371	1.8	28
592	Surface tension in human pathophysiology and its application as a medical diagnostic tool. <i>BiolImpacts</i> , 2015 , 5, 29-44	3.5	28
591	Thermodynamic studies of fluphenazine decanoate solubility in PEG 200+water mixtures. <i>Fluid Phase Equilibria</i> , 2012 , 330, 36-43	2.5	28
590	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 & Engineering Data</i> , 2011 , 56, 4352-4355	2.8	28
589	Critical Review of Malondialdehyde Analysis in Biological Samples. <i>Current Pharmaceutical Analysis</i> , 2015 , 12, 4-17	0.6	28
588	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	6	27
587	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	2.5	27
586	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, 1726-9	3.9	27
585	Investigation of the binding mechanism and inhibition of bovine liver catalase by quercetin: Multi-spectroscopic and computational study. <i>BiolImpacts</i> , 2017 , 7, 147-153	3.5	26

584	Magnetic nanoparticles incorporated on functionalized mesoporous silica: an advanced electrochemical sensor for simultaneous determination of amiodarone and atenolol. <i>RSC Advances</i> , 2014 , 4, 4710-4717	3.7	26
583	Studies of interaction between terbium(III)-deferasirox and double helix DNA by spectral and electrochemical methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 120, 467-72	4.4	26
582	Solubility of 2-Hydroxybenzoic Acid in Water, 1-Propanol, 2-Propanol, and 2-Propanone at (298.2 to 338.2) K and Their Aqueous Binary Mixtures at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3303-3307	2.8	26
581	Comments on Solubility of Ethyl Maltol in Aqueous Ethanol Mixtures[(Liu, B.-S.; Liu, R.-J.; Hu, Y.-Q.; Hu, Q.-F. <i>J. Chem. Eng. Data</i> 2008, 53, 2712-714). <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1168-1170	2.8	26
580	Solubility of Clonazepam, Diazepam, Lamotrigine, and Phenobarbital in N-Methyl-2-pyrrolidone + Water Mixtures at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2964-2966	2.8	26
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578	Dispersive micro-solid-phase extraction using carbon-based adsorbents for the sensitive determination of verapamil in plasma samples coupled with capillary electrophoresis. <i>Journal of Separation Science</i> , 2017 , 40, 3318-3326	3.4	25
577	Solubility of celecoxib in N-methyl-2-pyrrolidone+water mixtures at various temperatures: Experimental data and thermodynamic analysis. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 1435-1443	2.8	25
576	A dispersive liquid-liquid microextraction and chiral separation of carvedilol in human plasma using capillary electrophoresis. <i>Bioanalysis</i> , 2015 , 7, 1107-17	2.1	25
575	Physicochemical characterization of a new cocrystal of ketoconazole. <i>Powder Technology</i> , 2014 , 262, 242-248	5.2	25
574	Solubility of Anthracene and Phenanthrene in Ethanol + 2,2,4-Trimethylpentane Mixtures at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2290-2294	2.8	25
573	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	4.8	25
572	Solubility prediction of drugs in water-cosolvent mixtures using Abraham solvation parameters. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2007 , 10, 263-77	3.4	25
571	Electropolymerization of taurine on gold surface and its sensory application for determination of captopril in undiluted human serum. <i>Materials Science and Engineering C</i> , 2014 , 38, 197-205	8.3	24
570	A new mechanistic approach to elucidate furosemide electrooxidation on magnetic nanoparticles loaded on graphene oxide modified glassy carbon electrode. <i>RSC Advances</i> , 2014 , 4, 6580	3.7	24
569	Dispersive liquid-liquid microextraction based on solidification of floating organic droplet followed by spectrofluorimetry for determination of carvedilol in human plasma. <i>Bioanalysis</i> , 2013 , 5, 437-48	2.1	24
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418	Monitoring of five benzodiazepines using a novel polymeric interface prepared by layer by layer strategy. <i>Microchemical Journal</i> , 2019 , 146, 121-125	4.8	10
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416	Breathomics: Review of Sample Collection and Analysis, Data Modeling and Clinical Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-27	5.2	10
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309	Determination of phenytoin in exhaled breath condensate using electromembrane extraction followed by capillary electrophoresis. <i>Electrophoresis</i> , 2020 , 41, 666-677	3.6	5
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