William E Acree

List of Publications by Year
in descending order

913 papers	20,715 citations	16451 64 h-index	34986 98 g-index
925 all docs	925 docs citations	925 times ranked	6127 citing authors

#	Article	IF	Citations
1	Abraham model solute descriptors: effect of structural features on the calculated numerical descriptor values for vanillin and select derivatives. Physics and Chemistry of Liquids, 2023, 61, 1-13.	1.2	2
2	Abraham model correlations for describing the partition of organic compounds from water into the methyl ethyl ketone extraction solvent. Physics and Chemistry of Liquids, 2022, 60, 47-58.	1.2	4
3	Solubility of trans-resveratrol in {ethanol (1) + water (2)} mixtures revisited: Correlation, dissolution thermodynamics and preferential solvation. Physics and Chemistry of Liquids, 2022, 60, 203-218.	1.2	2
4	Development of Predictive Expressions for Infinite Dilution Activity Coefficients, Molar Solubilities and Partition Coefficients for Solutes Dissolved in 2-Pyrrolidone Based on the Abraham Solvation Parameter Model. Journal of Solution Chemistry, 2022, 51, 975-991.	1.2	1
5	Development of Abraham model correlations for solute transfer into cyclopentanol from both water and the gas phase based on measured solubility ratios. Physics and Chemistry of Liquids, 2022, 60, 287-296.	1.2	8
6	Further analysis and comments regarding solubility and thermodynamic analysis of 1,6-Hexanediamine in mono-solvents and 1-butanolÂ+Âcyclohexane mixed solvents at different temperatures. Journal of Molecular Liquids, 2022, 345, 117831.	4.9	1
7	Thermodynamic study and preferential solvation of sulfamerazine in acetonitrileÂ+Âmethanol cosolvent mixtures at different temperatures. Journal of Molecular Liquids, 2022, 349, 118172.	4.9	8
8	Preferential Solvation Study of the Synthesized Aldose Reductase Inhibitor (SE415) in the {PEG 400 (1) + Water (2)} Cosolvent Mixture and GastroPlus-Based Prediction. ACS Omega, 2022, 7, 1197-1210.	3.5	9
9	Comprehensive understanding on solubility and solvation performance of curcumin (form I) in aqueous co-solvent blends. Journal of Chemical Thermodynamics, 2022, 167, 106718.	2.0	12
10	Contribution from non-ideality and preferential solvation to non-linear solvatochromism in binary mixtures. Journal of Molecular Liquids, 2022, 349, 118515.	4.9	3
11	Preferential solvation study of co-solvent mixture and GastroPlus software based in vitro simulation. Journal of Molecular Liquids, 2022, 349, 118491.	4.9	2
12	Solubility, solvation analysis and enthalpyâ€“entropy compensation of musk ketone in some cosolvent solutions. Journal of Chemical Thermodynamics, 2022, 168, 106727.	2.0	1
13	Equilibrium solubility of 6-methylcoumarin in some (ethanol + water) mixtures: determination, correlation, thermodynamics and preferential solvation. Physics and Chemistry of Liquids, 2022, 60, 707-727.	1.2	1
14	Comments on â€œVolumetric, acoustic and IR spectroscopic properties of binary mixtures		

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19	Comments on â€œExperimental and theoretical investigation of molecular interaction and molecular polarity of organic solvent with ionic liquids and deep eutectic solvents at T (298.15â€“343.15) K and 1Âatmâ€• Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	1.5	0
20	Comments concerning â€œSolid-liquid phase equilibrium, Hansen solubility parameters and thermodynamic behavior of arbidol hydrochloride monohydrate in eleven mono-solventsâ€• Journal of Molecular Liquids, 2022, 354, 118836.	4.9	2
21	Equilibrium solubility of amrinone in aqueous co-solvent solutions reconsidered: Quantitative molecular surface, inter/intra-molecular interactions and solvation thermodynamics analysis. Journal of Molecular Liquids, 2022, 355, 118995.	4.9	11
22	Quantitative surface analysis of paclobutrazol molecule and comprehensive insight into its solubility in aqueous co-solvent solutions. Journal of Chemical Thermodynamics, 2022, 170, 106787.	2.0	12
23	Henryâ€™s law constants (IUPAC Recommendations 2021). Pure and Applied Chemistry, 2022, 94, 71-85.	1.9	37
24	Determination of Abraham model solute descriptors for hippuric acid from measured molar solubilities in several organic mono-solvents of varying polarity and hydrogen-bonding ability. Physics and Chemistry of Liquids, 2022, 60, 563-571.	1.2	11
25	Abraham model correlations for describing solute transfer into anisole based on measured activity coefficients and molar solubilities. Physics and Chemistry of Liquids, 2022, 60, 452-462.	1.2	6
26	Simulation of dielectric constants of solvents at various temperatures using Catalan parameters. Physics and Chemistry of Liquids, 2022, 60, 910-921.	1.2	1
27	Hirshfeld surface and electrostatic potential surface analysis of clozapine and its solubility and molecular interactions in aqueous blends. Journal of Molecular Liquids, 2022, 360, 119328.	4.9	12
28	Abraham Solvation Parameter Model: Calculation of L Solute Descriptors for Large C11 to C42 Methylated Alkanes from Measured Gasâ€“Liquid Chromatographic Retention Data. Liquids, 2022, 2, 85-105.	2.5	2
29	Machine Learning Quantitative Structureâ€“Property Relationships as a Function of Ionic Liquid Cations for the Gas-Ionic Liquid Partition Coefficient of Hydrocarbons. International Journal of Molecular Sciences, 2022, 23, 7534.	4.1	5
30	Abraham model correlations for solute transfer into cyclopentanone. Physics and Chemistry of Liquids, 2022, 60, 964-976.	1.2	2
31	Dissolution thermodynamics and preferential solvation of meloxicam in (acetonitrile + water) mixtures. Physics and Chemistry of Liquids, 2021, 59, 733-752.	1.2	9
32	Abraham model correlations for describing dissolution of organic solutes and inorganic gases in dimethyl carbonate. Physics and Chemistry of Liquids, 2021, 59, 181-195.	1.2	12
33	Predicting the solubility, thermodynamic properties and preferential solvation of sulphamethazine in {acetonitrile + water} mixtures using a minimum number of experimental data points. Physics and Chemistry of Liquids, 2021, 59, 400-411.	1.2	5
34	Further numerical analyses on the solubility of diazepam in aqueous tert-butanol mixtures. Physics and Chemistry of Liquids, 2021, 59, 512-522.	1.2	0
35	Preferential solvation of 4-(4-ethoxyphenyl)-5-(3,4,5-trimethoxybenzoyl)-3,4-dihydropyrimidin-2(1H)-one in {PEG 400 (1) + water (2)} mixtures. Physics and Chemistry of Liquids, 2021, 59, 423-430.	1.2	6
36	Abraham solvation parameter model: calculation of ion-specific equation coefficients for the N-Ethyl-N-methylmorpholinium and N-Octyl-N-methylmorpholinium cations. Physics and Chemistry of Liquids, 2021, 59, 575-584.	1.2	7

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37	The partition of organic compounds from water into the methyl isobutyl ketone extraction solvent with updated Abraham model equation. Physics and Chemistry of Liquids, 2021, 59, 431-441.	1.2	5
38	Updated Abraham model correlations to describe enthalpies of solvation of solutes dissolved in heptane, cyclohexane and N,N-dimethylformamide. Physics and Chemistry of Liquids, 2021, 59, 442-453.	1.2	4
39	Dissolution thermodynamics and preferential solvation of gliclazide in (TranscutolÂ® + water) mixtures. Physics and Chemistry of Liquids, 2021, 59, 607-621.	1.2	1
40	Surface tension of binary organic mixtures based on a new dimensionless number. Journal of Chemical Thermodynamics, 2021, 152, 106292.	2.0	10
41	Solubility of sulfadiazine in (acetonitrile + methanol) mixtures: Determination, correlation, dissolution thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 322, 114979.	4.9	26
42	Comments on â€œStearic acid solubility in mixed solvents of (water + ethanol) and (ethanol + ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Molecular Liquids, 2021, 322, 114962.	4.9	0
43	Solubility of meloxicam in aqueous binary mixtures of formamide, N-methylformamide and N,N-dimethylformamide: Determination, correlation, thermodynamics and preferential solvation. Journal of Chemical Thermodynamics, 2021, 154, 106332.	2.0	14
44	Solubility of sulfadiazine in (ethylene glycolÂ+Âwater) mixtures: Measurement, correlation, thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 323, 115058.	4.9	12
45	Comments concerning â€œVolumetric properties, viscosity coefficients and aggregation behaviour of DBU-acetate protic ionic liquid in molecular solventsâ€• Journal of Molecular Liquids, 2021, 321, 114786.	4.9	0
46	Solubility of meloxicam in (CarbitolÂ®â€¯+â€¯water) mixtures: Determination, correlation, dissolution thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 324, 114671.	4.9	8
47	Descriptors for Highâ€Energy Nitro Compounds; Estimation of Thermodynamic, Physicochemical and Environmental Properties. Propellants, Explosives, Pyrotechnics, 2021, 46, 267-279.	1.6	5
48	Comments on â€œInterpretation of hydrogen bonding formation through thermodynamic, spectroscopic and DFT studies between isoamyl alcohol and benzyl alcohol at TÂ=Â(293.15 to 318.15) Kâ€• Journal of Molecular Liquids, 2021, 321, 114543.	4.9	1
49	Development of Abraham model correlations for enthalpies of solvation of solutes dissolved in N-methylformamide, 2-pyrrolidone and N-methylpyrrolidone. Journal of Molecular Liquids, 2021, 323, 114609.	4.9	10
50	Abraham model correlations for describing solute transfer processes into diethyl carbonate. Physics and Chemistry of Liquids, 2021, 59, 26-39.	1.2	8
51	Equilibrium solubility and apparent specific volume at saturation of sodium sulfadiazine in some aqueous cosolvent mixtures at 298.2 K. Physics and Chemistry of Liquids, 2021, 59, 40-52.	1.2	2
52	Comments on â€œIntermolecular interactions between methanol and some sulphonamide drugs in aqueous medium using thermodynamics approachâ€• Journal of Molecular Liquids, 2021, 322, 112244.	4.9	3
53	Comments on â€œReply to comments on study of density, dynamic viscosity, excess property and intermolecular interplay studies for 1,4-butanediol + dimethyl sulfoxide binary mixtureâ€• Journal of Molecular Liquids, 2021, 321, 112089.	4.9	2
54	Evaluation of nine condensed-phase force fields of the GROMOS, CHARMM, OPLS, AMBER, and OpenFF families against experimental cross-solvation free energies. Physical Chemistry Chemical Physics, 2021, 23, 13055-13074.	2.8	9

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55	Calculation of the Vapour Pressure of Organic Molecules by Means of a Group-Additivity Method and Their Resultant Gibbs Free Energy and Entropy of Vaporization at 298.15 K. Molecules, 2021, 26, 1045.	3.8	14
56	A single model to represent physico-chemical properties of liquid mixtures at various temperatures. Journal of Molecular Liquids, 2021, 323, 115054.	4.9	17
57	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
58	Descriptors for adamantane and some of its derivatives. Journal of Molecular Liquids, 2021, 325, 114894.	4.9	2
59	Thermodynamic analysis of the solubility of triclocarban in ethylene glycol + water mixtures. Journal of Molecular Liquids, 2021, 325, 115222.	4.9	2
60	Comments Regarding â€œVolumetric, UVâ€“Vis and FT IR Studies of Isoniazid in Diethylsulfoxide Solutionsâ€• Journal of Solution Chemistry, 2021, 50, 610-613.	1.2	0
61	Comments on â€œMeasurement and correlation of solubility data for atorvastatin calcium in pure and binary solvent systems from 293.15ÂK to 328.15 K". Journal of Molecular Liquids, 2021, 328, 115445.	4.9	2
62	Equations for the Correlation and Prediction of Partition Coefficients of Neutral Molecules and Ionic Species in the Waterâ€“Isopropanol Solvent System. Journal of Solution Chemistry, 2021, 50, 458-472.	1.2	9
63	Solubility, Three-Dimensional Hansen Solubility Parameters, and Solution Thermodynamics of 3,3â€²-Diaminodiphenyl Sulfone in 14 Neat Solvents from 283.15 to 328.15 K. Journal of Chemical & Engineering Data, 2021, 66, 2167-2176.	1.9	11
64	o-Nitroacetanilide Equilibrium Solubility in 15 Monosolvents: Experimental Determination, Mathematical Correlation, and Solvent Effect Examination. Journal of Chemical & Engineering Data, 2021, 66, 2124-2133.	1.9	6
65	Evodiamine in several binary aqueous co-solvents: Solubility measurement and modeling, Hansen solubility parameter, preferential solvation and apparent dissolution and transfer properties. Journal of Molecular Liquids, 2021, 330, 115658.	4.9	14
66	Descriptors for vitamin K3 (menadione); calculation of biological and physicochemical properties. Journal of Molecular Liquids, 2021, 330, 115707.	4.9	13
67	Further calculations on the solubility of trans-resveratrol in (TranscutolÂ®Â+Âwater) mixtures. Journal of Molecular Liquids, 2021, 330, 115645.	4.9	6
68	Solubility, dissolution thermodynamics and preferential solvation of sulfadiazine in (N-methyl-2-pyrrolidoneÂ+Âwater) mixtures. Journal of Molecular Liquids, 2021, 330, 115693.	4.9	9
69	Solubility, Dissolution Thermodynamics and Preferential Solvation of Meloxicam in (Methanolâ€‰+â€‰Water) Mixtures. Journal of Solution Chemistry, 2021, 50, 667-689.	1.2	6
70	Descriptors for Edaravone; studies on its structure, and prediction of properties. Journal of Molecular Liquids, 2021, 332, 115821.	4.9	5
71	Solubility, correlation, dissolution thermodynamics and preferential solvation of meloxicam in aqueous mixtures of 2-propanol. Pharmaceutical Sciences, 2021, , .	0.2	4
72	Reference materials for phase equilibrium studies. 1. Liquidâ€“liquid equilibria (IUPAC Technical Report). Pure and Applied Chemistry, 2021, 93, 811-827.	1.9	3

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73	Comments on â€œAssessment of solubility and Hansen solubility parameters of rifampicin in various permeation enhancers: Experimental and computational approachâ€• Journal of Molecular Liquids, 2021, 333, 115971.	4.9	1
74	Prediction of hypothetical solubility of drugs in phase separated miscible binary solvent mixtures using an interpolation technique. Journal of Molecular Liquids, 2021, 335, 116518.	4.9	3
75	Comments on â€œStudy of intermolecular interactions in the binary mixtures containing cyclic ethers and benzyl amine at different temperaturesâ€• Chemical Data Collections, 2021, 34, 100737.	2.3	0
76	Solubility Measurement, Preferential Solvation, and Solvent Effect of 3,5-Dinitrosalicylic Acid in Several Binary Aqueous Blends. Journal of Chemical & Engineering Data, 2021, 66, 3531-3542.	1.9	3
77	JPCRD: 50 Years of Providing the Scientific Community with Critically Evaluated Thermodynamic Data, Predictive Methods, and Large Thermodynamic Data Compilations. Journal of Physical and Chemical Reference Data, 2021, 50, 033101.	4.2	1
78	Bifonazole dissolved in numerous aqueous alcohol mixtures: Solvent effect, enthalpyâ€“entropy compensation, extended Hildebrand solubility parameter approach and preferential solvation. Journal of Molecular Liquids, 2021, 338, 116671.	4.9	15
79	Additional computations on â€œVolumetric, acoustic, transport and FTIR studies of binary di-butylamineâ€¯+â€¯isomeric butanol mixtures as potential CO2 absorbentsâ€• Journal of Molecular Liquids, 2021, 338, 116776.	4.9	2
80	Solubility of sulfamerazine in (ethylene glycolÂ+Âwater) mixtures: Measurement, correlation, dissolution thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 337, 116330.	4.9	8
81	Solubility and thermodynamic aspects of etonogestrel in several aqueous co-solvent solutions. Journal of Molecular Liquids, 2021, 338, 116624.	4.9	6
82	Prediction of sulfonamidesâ€™ solubilities in the mixed solvents using solvation parameters. Journal of Molecular Liquids, 2021, 339, 116269.	4.9	11
83	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
84	Non-electrostatic energies as a metric for prediction of deferasirox solubility in binary solvent mixtures: Polarized Continuum Model tactic. Journal of Molecular Liquids, 2021, 339, 115791.	4.9	3
85	Solubility of coumarin in (ethanolÂ+Âwater) mixtures: Determination, correlation, thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 339, 116761.	4.9	11
86	Equilibrium solubility of vanillin in some (ethanolÂ+Âwater) mixtures: determination, correlation, thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 342, 117529.	4.9	3
87	Comments regarding â€œSolubility determination and crystallization thermodynamics of an intermediate in different organic Solventsâ€• Journal of Molecular Liquids, 2021, 342, 117408.	4.9	1
88	Solubility modeling and solvation behavior of 3,3â€²-diamino diphenylsulfone in binary aqueous mixtures of isopropanol, methanol, ethanol and N,N-dimethylformamide. Journal of Chemical Thermodynamics, 2021, 163, 106612.	2.0	0
89	Solubility, solvation thermodynamics and solvent effect of thiabendazole in several cosolvent blends. Journal of Chemical Thermodynamics, 2021, 163, 106616.	2.0	9
90	The quantitative structure-property relationships for the gas-ionic liquid partition coefficient of a large variety of organic compounds in three ionic liquids. Journal of Molecular Liquids, 2021, 343, 117573.	4.9	8

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91	Calculation of Abraham model L-descriptor and standard molar enthalpies of vaporization for linear C7-C14 alkynes from gas chromatographic retention index data. European Chemical Bulletin, 2021, 10, 46.	2.7	3
92	Revision and Extension of a Generally Applicable Group-Additivity Method for the Calculation of the Standard Heat of Combustion and Formation of Organic Molecules. Molecules, 2021, 26, 6101.	3.8	11
93	Comments on â€œSolubility and thermodynamic properties of an energetic intermediate in four binary solvents (waterÂ+Ân-butanol, n-pentanol, isobutanol and isoamyl alcohol)â€• Journal of Molecular Liquids, 2021, 344, 117805.	4.9	1
94	IUPACâ€“NIST Solubility Data Series. 105. Solubility of Solid Alkanoic Acids, Alkenoic Acids, Alkanedioic Acids, and Alkenedioic Acids Dissolved in Neat Organic Solvents, Organic Solvent Mixtures, and Aqueousâ€“Organic Solvent Mixtures. I. Alkanoic Acids. Journal of Physical and Chemical Reference Data, 2021, 50, .	4.2	2
95	Comments on â€œMolecular interaction studies of antidepressant drug with aqueous caffeine using volumetric and acoustic methodsâ€• Journal of Molecular Liquids, 2021, 344, 117706.	4.9	0
96	Solubility, solvent effect, enthalpyâ€“entropy compensation and solvation thermodynamics of 4-(bromomethyl)-2(1H)-quinolinone in several aqueous blends. Journal of Chemical Thermodynamics, 2021, 166, 106670.	2.0	0
97	Comments on â€œEffect of alkyl chain length of 1-alkanols on solution behavior of bactericidal antibiotic in terms of thermo-acoustic parametersâ€• Journal of Molecular Liquids, 2021, 346, 117922.	4.9	0
98	COMMENTARY ON â€œSTRUCTURE BREAKING/MAKING PROPERTY OF ACEFYLLINE PIPERAZINE IN AQUEOUS, AQUEOUS METHANOL, AND AQUEOUS ETHYLENE GLYCOL SYSTEMSâ€• Journal of Structural Chemistry, 2021, 62, 1498-1500.	1.0	0
99	Solubility, Solvent Effect, and Solvation Performance of MBQ-167 in Aqueous Cosolvent Solutions. Journal of Chemical & Engineering Data, 2021, 66, 4725-4739.	1.9	2
100	IUPACâ€“NIST Solubility Data Series. 105. Solubility of Solid Alkanoic Acids, Alkenoic Acids, Alkanedioic Acids, and Alkenedioic Acids Dissolved in Neat Organic Solvents, Organic Solvent Mixtures, and Aqueousâ€“Organic Solvent Mixtures. II. Alkenoic and Alkynoic Acids. Journal of Physical and Chemical Reference Data, 2021, 50, .	4.2	1
101	Abraham model correlations for enthalpies of solvation of organic solutes dissolved in methyl acetate and octane. Physics and Chemistry of Liquids, 2020, 58, 18-30.	1.2	11
102	Study of some volumetric properties of {ethanol (1) + propylene glycol (2) + water (3)} mixtures at several temperatures. Physics and Chemistry of Liquids, 2020, 58, 105-115.	1.2	4
103	Determination of Abraham model solute descriptors for xanthone based on experimental solubility measurements at 298.2 K. Physics and Chemistry of Liquids, 2020, 58, 214-221.	1.2	6
104	Development of Abraham model correlations for solute transfer into 2-ethyl-1-hexanol from both water and the gas phase based on measured solubility ratios. Physics and Chemistry of Liquids, 2020, 58, 202-213.	1.2	19
105	Abraham model correlations for enthalpies of solvation of organic solutes dissolved in N,N-Dimethylacetamide, 2-butanone and tetrahydrofuran (UPDATED) at 298.15 K. Physics and Chemistry of Liquids, 2020, 58, 675-692.	1.2	11
106	Development of Abraham model correlations for describing solute transfer into 2-methyl-1-butanol from both water and the gas phase from experimental solubility data of crystalline organic compounds. Physics and Chemistry of Liquids, 2020, 58, 623-635.	1.2	12
107	Further computations on the solubility of 2-methyl-1,3-benzothiazol-5-amine in ethanol + water mixtures at several temperatures. Physics and Chemistry of Liquids, 2020, 58, 421-431.	1.2	0
108	Equilibrium solubility and apparent specific volume at saturation of sodium diclofenac in {formamide (1)/N-methylformamide (1)/or N,N,-dimethylformamide (1) + water (2)} mixtures at 298.2 K. Physics and Chemistry of Liquids, 2020, 58, 446-455.	1.2	2

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109	Comprehensive models for density prediction of ionic liquid + molecular solvent mixtures at different temperatures. Physics and Chemistry of Liquids, 2020, 58, 309-324.	1.2	6
110	Applications of Abraham solvation parameter model: estimation of the lethal median molar concentration of the antiepileptic drug levetiracetam towards aquatic organisms from measured solubility data. Physics and Chemistry of Liquids, 2020, 58, 302-308.	1.2	8
111	Solubility of sulphadiazine in (acetonitrile + water) mixtures: measurement, correlation, thermodynamics and preferential solvation. Physics and Chemistry of Liquids, 2020, 58, 381-396.	1.2	19
112	Abraham model correlations for solute transfer into benzyl alcohol from both water and the gas phase. Physics and Chemistry of Liquids, 2020, 58, 116-126.	1.2	9
113	Descriptors for terpene esters from chromatographic and partition measurements: Estimation of human odor detection thresholds. Journal of Chromatography A, 2020, 1609, 460428.	3.7	15
114	Determination of Abraham model correlations for describing solute transfer into the methyl butyrate mono-solvent at 298 K. Physics and Chemistry of Liquids, 2020, 58, 792-802.	1.2	7
115	Solubility of 4-methyl-3-nitrobenzoic acid in organic mono-solvents: calculation of Abraham model solute descriptors. Physics and Chemistry of Liquids, 2020, 58, 782-791.	1.2	5
116	Comments on â€œAssorted interactions of amino acids prevailing in aqueous vitamin C solutions probed by physicochemical and ab-initio contrivancesâ€• Chemical Physics Letters, 2020, 738, 136871.	2.6	0
117	Computational tools for solubility prediction of celecoxib in the binary solvent systems. Journal of Molecular Liquids, 2020, 299, 112129.	4.9	12
118	Comments on â€œVolumetric and compressibility properties for aqueous solutions of choline chloride based deep eutectic solvents and Prigogineâ€“Floryâ€“Patterson theory to correlate of excess molar volumes at TÂ=Â(293.15 to 308.15) Kâ€• Journal of Molecular Liquids, 2020, 298, 112181.	4.9	0
119	Solubility of sulfacetamide in aqueous propylene glycol mixtures: Measurement, correlation, dissolution thermodynamics, preferential solvation and solute volumetric contribution at saturation. Journal of Molecular Liquids, 2020, 297, 111889.	4.9	22
120	Comments on â€œMolecular interactions in the binary mixtures of some monoalkanolamines with acetonitrile between 303.15 and 323.15â€• Journal of Molecular Liquids, 2020, 298, 112180.	4.9	3
121	Comments on â€œEstimation of the solubility with cosolvent composition by combinated of the Williamsâ€“Amidon model with quasi virial coefficientâ€• Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2387.	1.5	0
122	Comments regarding â€œAcoustical and physico-chemical study of binary azeotropes (aniline)â€• Journal of Molecular Liquids, 2020, 320, 114428.	4.9	2
123	Solubility of codeine phosphate in N-methyl-2-pyrrolidone +2-propanol mixture at different temperatures. Journal of Molecular Liquids, 2020, 316, 113859.	4.9	6
124	Comments on â€œDensity, viscosity, surface tension and excess properties of 1,3-propanediamine and tetraethylene glycol at TÂ=Â293.15ÂKâ€“318.15ÂKâ€• Journal of Molecular Liquids, 2020, 304, 112732.	4.9	2
125	Development of Abraham model correlations for short-chain glycol-grafted imidazolium and pyridinium ionic liquids from inverse gas-chromatographic measurements. Journal of Molecular Liquids, 2020, 317, 113983.	4.9	8
126	Comments on â€œThermophysical characterization of aqueous deep eutectic solvent (choline) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Liquids, 2020, 316, 113922.	4.9	1

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127	Comments on â€œSpectroscopic and volumetric study of binary liquid mixtures containing ethyl -4â€˜hydroxy benzoate and alkanolsâ€• Chemical Data Collections, 2020, 29, 100489.	2.3	0
128	Estimation of heat capacities of gases, liquids and solids, and heat capacities of vaporization and of sublimation of organic chemicals at 298.15ÂK. Journal of Molecular Liquids, 2020, 317, 113969.	4.9	10
129	Preferential solvation of apremilast in some (TranscutolÂ®Â+Âwater) mixtures. Journal of Molecular Liquids, 2020, 316, 113905.	4.9	7
130	Solubilisation of dexamethasone: experimental data, co-solvency and Polarised Continuum Modelling. Physics and Chemistry of Liquids, 2020, , 1-10.	1.2	1
131	Abraham solvation parameter model: updated correlations for describing solute partitioning into plant cuticles from water and from air. Physics and Chemistry of Liquids, 2020, , 1-17.	1.2	2
132	Solubility of acetaminophen in (ethanolÂ+Âpropylene glycolÂ+Âwater) mixtures: Measurement, correlation, thermodynamics, and volumetric contribution at saturation. Journal of Molecular Liquids, 2020, 318, 114065.	4.9	22
133	Evaluating Classical Force Fields against Experimental Cross-Solvation Free Energies. Journal of Chemical Theory and Computation, 2020, 16, 7556-7580.	5.3	28
134	Comments regarding â€œSolid-liquid equilibrium solubility, thermodynamic properties and solvent effect of 3,4-dinitro-1H-pyrazole in different pure solventsâ€• Journal of Molecular Liquids, 2020, 318, 114323.	4.9	2
135	Comments on â€œDensity, viscosity, surface tension and intermolecular interaction of triethylene glycol and 1,2-diaminopropane binary solution & its potential downstream usage for bioplastic productionâ€• Journal of Molecular Liquids, 2020, 310, 113173.	4.9	2
136	Estimation of vapor pressures of liquid and solid organic and organometallic compounds at 298.15ÂK. Fluid Phase Equilibria, 2020, 519, 112595.	2.5	16
137	Comments on â€œVolumetric, ultrasonic, viscometric and refractive index studies of molecular interactions in binary mixtures of 1-butyl-3-methylimidazolium tetrafluoroborate with methyl acrylate at temperatures from 293.15 to 318.15ÂKâ€• Journal of Molecular Liquids, 2020, 305, 112814.	4.9	0
138	Comments on â€œSolubility measurement and correlation of 2-phenyl-1H-indole in fourteen mono organic solvents from 289.05ÂK to 338.55ÂKâ€• Journal of Molecular Liquids, 2020, 304, 112800.	4.9	1
139	Comments on â€œSolubility modelling and solvent effect on solid-liquid equilibrium of 2,2-bis(hydroxymethyl)butyric acid at different temperaturesâ€• Journal of Molecular Liquids, 2020, 314, 113668.	4.9	0
140	Further comments on â€œExperimental measurements, equilibrium study and model correlation of methyl paraben in ethanol and methanol aqueous solutions fromÂ=Â(293.15 to 323.15) Kâ€• Journal of Molecular Liquids, 2020, 305, 112806.	4.9	0
141	Dissolution thermodynamics and preferential solvation of ketoconazole in some {ethanol (1) + water (2)} mixtures. Journal of Molecular Liquids, 2020, 313, 113579.	4.9	40
142	Comments on â€œThermophysical Properties Analysis of Poly(Ethylene Glycol) 600â€‰+â€‰Methanol, Ethanol, 1-Propanol, and 2-Propanol Binary Liquid Mixturesâ€• International Journal of Thermophysics, 2020, 41, 1.	2.1	0
143	Abraham model correlation for direct water-to-2,2,5,5-tetramethyloxolane solute transfer partitioning process revisited. Physics and Chemistry of Liquids, 2020, 58, 833-838.	1.2	9
144	Characterization of the solubilizing ability of short-chained glycol-grafted ammonium and phosphonium ionic liquids. Journal of Molecular Liquids, 2020, 304, 112786.	4.9	9

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146	Comments on â€œExperimental investigation of density, viscosity and intermolecular interaction of binary system 1,3-butanediol +1,2-ethanediamine for CO2 captureâ€• Journal of Molecular Liquids, 2020, 315, 113728.	4.9	1
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