Michael H Abraham

List of Publications by Year
in descending order

431 papers	29,403 citations	8755 75 h-index	7348 152 g-index
435 all docs	435 docs citations	435 times ranked	11552 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	Group Contribution and Machine Learning Approaches to Predict Abraham Solute Parameters, Solvation Free Energy, and Solvation Enthalpy. Journal of Chemical Information and Modeling, 2022, 62, 433-446.	5.4	59
4	Descriptors for some compounds with pharmacological activity; calculation of properties. International Journal of Pharmaceutics, 2022, 617, 121597.	5.2	6
5	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
6	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
7	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
8	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
9	Linear free energy relationship models for the retention of partially ionized acid-base compounds in reversed-phase liquid chromatography. Journal of Chromatography A, 2021, 1635, 461720.	3.7	15
10	Descriptors for Highâ€Energy Nitro Compounds; Estimation of Thermodynamic, Physicochemical and Environmental Properties. Propellants, Explosives, Pyrotechnics, 2021, 46, 267-279.	1.6	5
11	Abraham model correlations for describing solute transfer processes into diethyl carbonate. Physics and Chemistry of Liquids, 2021, 59, 26-39.	1.2	8
12	Properties of the tert-butyl halide solvolysis transition states. Physical Chemistry Chemical Physics, 2021, 23, 3311-3320.	2.8	4
13	Descriptors for adamantane and some of its derivatives. Journal of Molecular Liquids, 2021, 325, 114894.	4.9	2
14	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
15	Descriptors for vitamin K3 (menadione); calculation of biological and physicochemical properties. Journal of Molecular Liquids, 2021, 330, 115707.	4.9	13
16	Descriptors for Edaravone; studies on its structure, and prediction of properties. Journal of Molecular Liquids, 2021, 332, 115821.	4.9	5
17	Determination of Waterâ€"Solvent Partition Coefficients for Fluorescein: Evaluation of Descriptors for the Lactone Form and Prediction of Properties. Journal of Solution Chemistry, 2021, 50, 1027-1035.	1.2	1
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Estimation of vapor pressures of liquid and solid organic and organometallic compounds at 298.15ÂK. Fluid Phase Equilibria, 2020, 519, 112595.	2.5	16
31	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
32	The assessment of intramolecular hydrogen bonding in ortho-substituted anilines by an NMR method. Journal of Molecular Liquids, 2020, 315, 113730.	4.9	3
33	Comments on â€œClassification of biphasic solvent systems according to Abraham descriptors for countercurrent chromatographyâ€• Journal of Chromatography A, 2020, 1618, 460889.	3.7	2
34	Estimation of enthalpies of sublimation of organic, organometallic and inorganic compounds. Fluid Phase Equilibria, 2020, 515, 112575.	2.5	17
35	Determination of Abraham model solute descriptors for 4-tert-butylbenzoic acid from experimental solubility data in organic mono-solvents. Physics and Chemistry of Liquids, 2019, 57, 445-452.	1.2	13
36	Determination of Abraham model solute descriptors for o-acetoacetanisidide based on experimental solubility data in organic mono-solvents. Physics and Chemistry of Liquids, 2019, 57, 528-535.	1.2	17

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37	Abraham model correlations for describing the solubilising character of 3-Methoxy-1-butanol and 1-tert-Butoxy-2-propanol solvents. Physics and Chemistry of Liquids, 2019, 57, 163-173.	1.2	12
38	Abraham model correlations for solute transfer into 2-methyl-2-butanol based on measured activity coefficient and solubility data at 298.15â€¯K. Journal of Molecular Liquids, 2019, 293, 111454.	4.9	12
39	Quantifying solvent effects through QSPR: A new look over different model equations. Journal of Molecular Liquids, 2019, 291, 111244.	4.9	15
40	A new method for the determination of Henry's law constants (air-water-partition coefficients). Fluid Phase Equilibria, 2019, 502, 112300.	2.5	20
41	Characterization of hydrophilic interaction liquid chromatography retention by a linear free energy relationship. Comparison to reversed-Âand normal-phase retentions. Analytica Chimica Acta, 2019, 1092, 132-143.	5.4	26
42	Development of Abraham model expressions for predicting the standard molar enthalpies of vaporization of organic compounds at 298.15 K. Thermochimica Acta, 2019, 681, 178372.	2.7	18
43	Determination of the hydrogen-bond acidity and basicity for un-dissociated hydrazoic acid, isocyanic acid and isothiocyanic acid. Journal of Molecular Liquids, 2019, 294, 111666.	4.9	1
44	Abraham model correlations for describing solute transfer into 4-methyl-2-pentanol from both water and the gas phase. Journal of Molecular Liquids, 2019, 278, 335-341.	4.9	15
45	Limiting Diffusion Coefficients for Ions and Nonelectrolytes in Solvents Water, Methanol, Ethanol, Propan-1-ol, Butan-1-ol, Octan-1-ol, Propanone and Acetonitrile at 298ÂK, Analyzed Using Abraham Descriptors. Journal of Solution Chemistry, 2019, 48, 748-757.	1.2	8
46	Solvation Descriptors for Zwitterionic Î±-Aminoacids; Estimation of Waterâ€"Solvent Partition Coefficients, Solubilities, and Hydrogen-Bond Acidity and Hydrogen-Bond Basicity. ACS Omega, 2019, 4, 2883-2892.	3.5	15
47	Comment on â€œThermodynamic Modelling for Solubility of 3-Methyl-2-nitrobenzoic Acid in Nine Organic Solvents from T (283.15â€"318.15ÂK) and Dissolution Propertiesâ€• Journal of Solution Chemistry, 2019, 48, 163-166.	1.2	1
48	Descriptors for the hydrogen halides, their solution properties and hydrogen- bonding acidity and basicity: Comparison of the latter with gas phase data. Journal of Molecular Liquids, 2019, 275, 667-673.	4.9	5
49	Development of Abraham model IL-specific correlations for N-triethyl(octyl)ammonium bis(fluorosulfonyl)imide and 1-butyl-3-methylpyrrolidinium bis(fluorosulfonyl)imide. Physics and Chemistry of Liquids, 2019, 57, 733-745.	1.2	11
50	Updated Abraham model correlations for enthalpies of solvation of organic solutes dissolved in benzene and acetonitrile. Physics and Chemistry of Liquids, 2019, 57, 84-99.	1.2	16
51	Calculation of the Abraham model solute descriptors for the pharmaceutical compound acipimox based on experimental solubility data. Physics and Chemistry of Liquids, 2019, 57, 382-387.	1.2	6
52	Descriptors for the Î±,Ï‰-dicarboxylic acids from oxalic acid to sebacic acid. Fluid Phase Equilibria, 2018, 467, 17-24.	2.5	8
53	Determination of Abraham Model Correlations for Solute Transfer into Propyl Acetate Based on Experimental Activity Coefficient and Solubility Data. Journal of Solution Chemistry, 2018, 47, 634-653.	1.2	22
54	Partition of Neutral Molecules and Ions from Water to o-Nitrophenyl Octyl Ether and of Neutral Molecules from the Gas Phase to o-Nitrophenyl Octyl Ether. Journal of Solution Chemistry, 2018, 47, 293-307.	1.2	7

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55	Updated Abraham model correlations for correlating solute transfer into dry butanone and dry cyclohexanone solvents. Physics and Chemistry of Liquids, 2018, 56, 571-583.	1.2	30
56	Structural properties governing drug-plasma protein binding determined by high-performance liquid chromatography method. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 16-21.	2.8	14
57	Illustration of the calculation of solute descriptors for maltol from published solubility data. Physics and Chemistry of Liquids, 2018, 56, 403-409.	1.2	3
58	The correlation and prediction of the temperature variation of infinite dilution activity coefficients of compounds in water. Fluid Phase Equilibria, 2018, 455, 1-5.	2.5	5
59	Determination of Abraham model solute descriptors for monomeric 3,4,5-trimethoxybenzoic acid from experimental solubility data in organic solvents measured at 298.2 K. Physics and Chemistry of Liquids, 2018, 56, 381-390.	1.2	21
60	Development of Abraham model correlations for describing the transfer of molecular solutes into propanenitrile and butanenitrile from water and from the gas phase. Physics and Chemistry of Liquids, 2018, 56, 821-833.	1.2	32
61	Abraham model correlations for describing the thermodynamic properties of solute transfer into pentyl acetate based on headspace chromatographic and solubility measurements. Journal of Chemical Thermodynamics, 2018, 124, 133-140.	2.0	22
62	Descriptors for Cyclooctasulfur: Estimation of Waterâ€"Solvent Partition Coefficients, Solubilities in Solvents, and Physicochemical Properties. ACS Omega, 2018, 3, 5516-5521.	3.5	8
63	Comment on â€œSolubility Measurement and Thermodynamic Modeling of		

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73	Comment on â€œMeasurement and Correlation of the Solubility of p-Coumaric Acid in Nine Pure and Water + Ethanol Mixed Solvents at Temperatures from 293.15 to 333.15 Kâ€• Journal of Chemical & Engineering Data, 2017, 62, 578-583.	1.9	6
74	Computation of Abraham model solute descriptors for 3-methyl-4-nitrobenzoic acid from measured solubility data. Physics and Chemistry of Liquids, 2017, 55, 482-491.	1.2	25
75	Determination of molar refractions and Abraham descriptors for tris(acetylacetonato)chromium(<scp>iii</scp>), tris(acetylacetonato)iron(<scp>iii</scp>) and tris(acetylacetonato)cobalt(<scp>iii</scp>). New Journal of Chemistry, 2017, 41, 14259-14265.	2.8	10
76	Modeling Aquatic Toxicity through Chromatographic Systems. Analytical Chemistry, 2017, 89, 7996-8003.	6.5	19
77	Revisiting blood-brain barrier: A chromatographic approach. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 98-109.	2.8	9
78	The correlation and prediction of infinite dilution activity coefficients of compounds in water at 298.15ÂK. Fluid Phase Equilibria, 2017, 449, 117-129.	2.5	12
79	Abraham model linear free energy relationships for describing the partitioning and solubility behavior of nonelectrolyte organic solutes dissolved in pyridine at 298.15ÂK. Fluid Phase Equilibria, 2017, 431, 66-74.	2.5	24
80	Ion-specific equation coefficient version of the Abraham model for ionic liquid solvents: determination of coefficients for tributylethylphosphonium, 1-butyl-1-methylmorpholinium, 1-allyl-3-methylimidazolium and octyltriethylammonium cations. Physics and Chemistry of Liquids, 2017, 55, 358-385.	1.2	42
81	Abraham model expressions for describing water-to-organic solvent and gas-to-organic solvent partition coefficients for solute transfer into anhydrous poly(ethylene glycol) dialkyl ether solvents at 298.15ÂK. Physics and Chemistry of Liquids, 2017, 55, 347-357.	1.2	17
82	Descriptors for Pentane-2,4-dione and Its Derivatives. Journal of Solution Chemistry, 2017, 46, 1625-1638.	1.2	8
83	Abraham Model Correlations for Triethylene Glycol Solvent Derived from Infinite Dilution Activity Coefficient, Partition Coefficient and Solubility Data Measured at 298.15ÂK. Journal of Solution Chemistry, 2017, 46, 2249-2267.	1.2	13
84	Determination of Abraham model solute descriptors for isophthalic acid from experimental solubility data in organic solvents at 298 K. Physics and Chemistry of Liquids, 2016, 54, 747-757.	1.2	20
85	The factors that influence solubility in perfluoroalkane solvents. Fluid Phase Equilibria, 2016, 421, 59-66.	2.5	10
86	Equations for water-triolein partition coefficients for neutral species; comparison with other water-solvent partitions, and environmental and toxicological processes. Chemosphere, 2016, 154, 48-54.	8.2	17
87	Abraham model linear free energy relationships as a means of extending solubility studies to include the estimation of solute solubilities in additional organic solvents. Journal of Chemical Thermodynamics, 2016, 102, 392-397.	2.0	11
88	Commentary on â€œMeasurement and Correlation of the Solubility of Telmisartan (Form A) in Nine Different Solvents from 277.85 to 338.35ÂKâ€• Journal of Solution Chemistry, 2016, 45, 1902-1905.	1.2	3
89	Solvation descriptors for porphyrins (porphines). New Journal of Chemistry, 2016, 40, 9945-9950.	2.8	7
90	Equations for the Partition of Neutral Molecules, Ions and Ionic Species from Water to Waterâ€“Methanol Mixtures. Journal of Solution Chemistry, 2016, 45, 861-874.	1.2	32

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91	Doseâ€"Response Functions for the Olfactory, Nasal Trigeminal, and Ocular Trigeminal Detectability of Airborne Chemicals by Humans. Chemical Senses, 2016, 41, 3-14.	2.0	31
92	Development of Abraham model correlations for enthalpies of solvation of organic solutes dissolved in 1,3-dioxolane. Physics and Chemistry of Liquids, 2016, 54, 786-796.	1.2	9
93	Development of Abraham model correlations for predicting enthalpies of solvation of nonionic solutes dissolved in formamide. Physics and Chemistry of Liquids, 2016, 54, 313-324.	1.2	13
94	Development of Abraham model expressions for predicting the enthalpies of solvation of solutes dissolved in acetic acid. Physics and Chemistry of Liquids, 2016, 54, 141-154.	1.2	18
95	An assessment of air quality reflecting the chemosensory irritation impact of mixtures of volatile organic compounds. Environment International, 2016, 86, 84-91.	10.0	20
96	Determination of the solubilising character of 2-methoxyethyl-(dimethyl)ethylammoniumtris(pentafluoroethyl)trifluorophosphate based on the Abraham solvation parameter model. Physics and Chemistry of Liquids, 2016, 54, 110-126.	1.2	17
97	Abraham model correlations for describing solute transfer into anhydrous 1,2-propylene glycol for neutral and ionic species. Physics and Chemistry of Liquids, 2016, 54, 1-13.	1.2	38
98	Descriptors for ions and ion-pairs for use in linear free energy relationships. Journal of Chromatography A, 2016, 1430, 2-14.	3.7	58
99	Deduction of Physicochemical Properties from Solubilities: 2,4-Dihydroxybenzophenone, Biotin, and Caprolactam as Examples. Journal of Chemical & Engineering Data, 2015, 60, 1440-1446.	1.9	25
100	Abraham model enthalpy of solvation correlations for solutes dissolved in dimethyl carbonate and diethyl carbonate. Physics and Chemistry of Liquids, 2015, 53, 732-747.	1.2	16
101	The transfer of neutral molecules from water and from the gas phase to solvents acetophenone and aniline. Journal of Molecular Liquids, 2015, 212, 301-306.	4.9	21
102	Physicochemical and biochemical properties for the dialkyl phthalates. Chemosphere, 2015, 119, 871-880.	8.2	19
103	Compilation and analysis of types and concentrations of airborne chemicals measured in various indoor and outdoor human environments. Chemosphere, 2015, 127, 70-86.	8.2	28
104	Comment on â€œStructural Determinants of Drug Partitioning in Surrogates of Phosphatidylcholine Bilayer Strataâ€• Molecular Pharmaceutics, 2015, 12, 1328-1329.	4.6	1
105	Abraham model correlations for solute transfer into tributyl phosphate from both water and the gas phase. Physics and Chemistry of Liquids, 2015, 53, 10-24.	1.2	45
106	Determination of Abraham model solute descriptors for three dichloronitrobenzenes from measured solubilities in organic solvents. Physics and Chemistry of Liquids, 2015, 53, 163-173.	1.2	20
107	Abraham model correlations for describing solute transfer into 2-butoxyethanol from both water and the gas phase at 298K. Journal of Molecular Liquids, 2015, 209, 196-202.	4.9	37
108	Abraham model correlations for solute transfer into 2-methoxyethanol from water and from the gas phase. Journal of Molecular Liquids, 2015, 209, 738-744.	4.9	40

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109	Studies on the hydrogen bond acidity, and other descriptors and properties for hydroxyflavones and hydroxyisoflavones. Journal of Molecular Liquids, 2015, 208, 363-372.	4.9	19
110	Abraham model correlations for solute transfer into 2-ethoxyethanol from water and from the gas phase. Journal of Molecular Liquids, 2015, 208, 63-70.	4.9	37
111	Abraham model correlations for describing solute transfer into diisopropyl ether. Physics and Chemistry of Liquids, 2015, 53, 25-37.	1.2	49
112	Determination of Abraham model solute descriptors for the monomeric and dimeric forms of trans-cinnamic acid using measured solubilities from the Open Notebook Science Challenge. Chemistry Central Journal, 2015, 9, 11.	2.6	21
113	Predicting Abraham model solvent coefficients. Chemistry Central Journal, 2015, 9, 12.	2.6	40
114	Abraham model enthalpy of solvation correlations for solutes dissolved in 1-alkanol solvents (C₄â€“C₆). Physics and Chemistry of Liquids, 2015, 53, 638-659.	1.2	15
115	Comparison of lipid membraneâ€“water partitioning with various organic solventâ€“water partitions of neutral species and ionic species: Uniqueness of cerasome as a model for the stratum corneum in partition processes. International Journal of Pharmaceutics, 2015, 494, 1-8.	5.2	14
116	Abraham model correlations for estimating solute transfer of neutral molecules into anhydrous acetic acid from water and from the gas phase. Journal of Molecular Liquids, 2015, 212, 16-22.	4.9	13
117	Is there an intramolecular hydrogen bond in 2-halophenols? A theoretical and spectroscopic investigation. Physical Chemistry Chemical Physics, 2015, 17, 25151-25159.	2.8	30
118	Effect of halogen substitution on the enthalpies of solvation and hydrogen bonding of organic solutes in chlorobenzene and 1,2-dichlorobenzene derived using multi-parameter correlations. Thermochimica Acta, 2015, 617, 8-20.	2.7	28
119	Comments concerning â€œA possible simplification of the Goss-modified Abraham solvation equationâ€. Chemosphere, 2015, 138, 1058-1061.	8.2	1
120	Development of Abraham model correlations for solute transfer into both 2-propoxyethanol and 2-isopropoxyethanol at 298.15 K. Journal of Molecular Liquids, 2015, 212, 833-840.	4.9	39
121	A linear free energy analysis of PAMPA models for biological systems. International Journal of Pharmaceutics, 2015, 496, 717-722.	5.2	9
122	Analysis of the solubility of betaine: calculation of descriptors and physicochemical properties. Fluid Phase Equilibria, 2015, 387, 1-4.	2.5	7
123	Reply to the comment on â€œA simple method for estimating in vitro air-tissue and in vivo blood-tissue partition coefficientsâ€. Chemosphere, 2015, 120, 797-798.	8.2	0
124	A simple method for estimating in vitro air-tissue and in vivo blood-tissue partition coefficients. Chemosphere, 2015, 120, 188-191.	8.2	34
125	Abraham model correlations describing the solubilising ability of peanut oil. Physics and Chemistry of Liquids, 2014, 52, 792-803.	1.2	7
126	Thermochemical investigations of solute transfer into ionic liquid solvents: updated Abraham model equation coefficients for solute activity coefficient and partition coefficient predictions. Physics and Chemistry of Liquids, 2014, 52, 488-518.	1.2	42

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127	Descriptors for the Prediction of Partition Coefficients of 8-Hydroxyquinoline and its Derivatives. Separation Science and Technology, 2014, 49, 2135-2141.	2.5	18
128	Abraham model correlations for describing solute transfer into ionic liquid solvents: calculation of ion-specific equation coefficients for the 4,5-dicyano-2-(trifluoromethyl)imidazolide anion. Physics and Chemistry of Liquids, 2014, 52, 777-791.	1.2	26
129	On the solubility of quercetin. Journal of Molecular Liquids, 2014, 197, 157-159.	4.9	34
130	An NMR Method for the Quantitative Assessment of Intramolecular Hydrogen Bonding; Application to Physicochemical, Environmental, and Biochemical Properties. Journal of Organic Chemistry, 2014, 79, 11075-11083.	3.2	83
131	The prediction of bloodâ€"tissue partitions, waterâ€"skin partitions and skin permeation for agrochemicals. Pest Management Science, 2014, 70, 1130-1137.	3.4	23
132	Examination of hydrogen-bonding interactions between dissolved solutes and alkylbenzene solvents based on Abraham model correlations derived from measured enthalpies of solvation. Thermochimica Acta, 2014, 594, 68-79.	2.7	32
133	The solubility of liquid and solid compounds in dry octan-1-ol. Chemosphere, 2014, 103, 26-34.	8.2	22
134	Human Intestinal Absorptionâ€"Neutral Molecules and Ionic Species. Journal of Pharmaceutical Sciences, 2014, 103, 1956-1966.	3.3	25
135	Correlation of the Solubilizing Abilities of 1-Butyl-1-methyl-pyrrolidinium Tris(pentafluoroethyl)trifluorophosphate, 1-Butyl-1-methylpyrrolidinium Triflate and 1-Methoxyethyl-1-methylmorpholinium Tris(pentafluoroethyl)trifluorophosphate. Journal of Solution Chemistry, 2013, 42, 772-799.	1.2	21
136	On the solubility of nicotinic acid and isonicotinic acid in water and organic solvents. Journal of Chemical Thermodynamics, 2013, 61, 74-78.	2.0	11
137	Enthalpy of solvation correlations for organic solutes and gases dissolved in dichloromethane and 1,4-dioxane. Structural Chemistry, 2013, 24, 1841-1853.	2.0	27
138	Determination of solvation descriptors for terpene hydrocarbons from chromatographic measurements. Journal of Chromatography A, 2013, 1293, 133-141.	3.7	24
139	Descriptors for the Prediction of Partition Coefficients and Solubilities of Organophosphorus Compounds. Separation Science and Technology, 2013, 48, 884-897.	2.5	39
140	Response to â€œA critique of Abraham and Acree's correlation for deca-1,9-dieneâ€"water partition coefficientsâ€• New Journal of Chemistry, 2013, 37, 882.	2.8	5
141	Analysis of immobilized artificial membrane retention factors for both neutral and ionic species. Journal of Chromatography A, 2013, 1298, 44-49.	3.7	28
142	Summation Solute Hydrogen Bonding Acidity Values for Hydroxyl Substituted Flavones Determined by NMR Spectroscopy. Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	2
143	Summation solute hydrogen bonding acidity values for hydroxyl substituted flavones determined by NMR spectroscopy. Natural Product Communications, 2013, 8, 85-98.	0.5	5
144	Experimental and predicted solubilities of 3,4-dichlorobenzoic acid in select organic solvents and in binary aqueousâ€"ethanol mixtures. Physics and Chemistry of Liquids, 2012, 50, 324-335.	1.2	34

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145	Determination of Abraham model solute descriptors for benzoin based on measured solubility ratios. Physics and Chemistry of Liquids, 2012, 50, 254-265.	1.2	37
146	An Algorithm for 353 Odor Detection Thresholds in Humans. Chemical Senses, 2012, 37, 207-218.	2.0	60
147	Correlation of the Solubilizing Abilities of 1-Butyl-1-methylpiperidinium Bis(trifluoromethylsulfonyl)imide and 1-Butyl-1-methylpyrrolidinium Tetracyanoborate. Journal of Solution Chemistry, 2012, 41, 1165-1184.	1.2	24
148	Determination of partition coefficients of refrigerants by gas liquid chromatographic headspace analysis. Journal of Chromatography A, 2012, 1265, 144-148.	3.7	3
149	The hydrogen bond properties of water from 273 K to 573 K; equations for the prediction of gas-water partition coefficients. Physical Chemistry Chemical Physics, 2012, 14, 7433.	2.8	16
150	Linear free-energy relationships for water/hexadec-1-ene and water/deca-1,9-diene partitions, and for permeation through lipid bilayers; comparison of permeation systems. New Journal of Chemistry, 2012, 36, 1798.	2.8	24
151	Gasâ€"solvent and waterâ€"solvent partition coefficients of the tetraphenyl compounds of group (IV). New Journal of Chemistry, 2012, 36, 626-631.	2.8	6
152	Human Skin Permeation of Neutral Species and Ionic Species: Extended Linear Free Energy Relationship Analyses. Journal of Pharmaceutical Sciences, 2012, 101, 2034-2044.	3.3	53
153	Equations for the Partition of Neutral Molecules, Ions and Ionic Species from Water to Waterâ€"Ethanol Mixtures. Journal of Solution Chemistry, 2012, 41, 730-740.	1.2	35
154	The effect of ionized species on microsomal binding. European Journal of Medicinal Chemistry, 2012, 47, 202-205.	5.5	43
155	The lipophilicity and hydrogen bond strength of pyridine-N-oxides and protonated pyridine-N-oxides. New Journal of Chemistry, 2011, 35, 930.	2.8	25
156	Hydrogen bond descriptors and other properties of ion pairs. New Journal of Chemistry, 2011, 35, 1740.	2.8	11
157	Molecular Factors Influencing Drug Transfer across the Blood-Brain Barrier. Journal of Pharmacy and Pharmacology, 2011, 49, 1211-1216.	2.4	122
158	Algorithms for Skin Permeability Using Hydrogen Bond Descriptors: the Problem of Steroids. Journal of Pharmacy and Pharmacology, 2011, 49, 858-865.	2.4	104
159	The Factors that Influence Skin Penetration of Solutes. Journal of Pharmacy and Pharmacology, 2011, 47, 8-16.	2.4	166
160	The transfer of neutral molecules, ions and ionic species from water to benzonitrile; comparison with nitrobenzene. Thermochimica Acta, 2011, 526, 22-28.	2.7	27
161	Abraham model correlations for solute partitioning into o-xylene, m-xylene and p-xylene from both water and the gas phase. Fluid Phase Equilibria, 2011, 308, 64-71.	2.5	22
162	Abraham model correlations for transfer of neutral molecules and ions to sulfolane. Fluid Phase Equilibria, 2011, 309, 30-35.	2.5	23

#	Article	IF	Citations
163	Partition Coefficients and Solubilities of Compounds in the Waterâ€"Ethanol Solvent System. Journal of Solution Chemistry, 2011, 40, 1279-1290.	1.2	49
164	Correlation of the Solubilizing Abilities of Hexyl(trimethyl)ammonium bis((Trifluoromethyl)sulfonyl)imide, 1-Propyl-1-methylpiperidinium bis((Trifluoromethyl)sulfonyl)imide, and 1-Butyl-1-methyl-pyrrolidinium Thiocyanate. Journal of Solution Chemistry, 2011, 40, 2000-2022.	1.2	25
165	Abraham Model Correlations for Transfer of Neutral Molecules to Tetrahydrofuran and to 1,4-Dioxane, and for Transfer of Ions to Tetrahydrofuran. Journal of Solution Chemistry, 2011, 40, 2082-2094.	1.2	39
166	Diffusion coefficients in ethanol and in water at 298K: Linear free energy relationships. Fluid Phase Equilibria, 2011, 303, 45-55.	2.5	67
167	Enthalpy of solvation correlations for organic solutes and gases dissolved in 1-propanol and tetrahydrofuran. Thermochimica Acta, 2011, 519, 103-113.	2.7	24
168	Enthalpy of solvation correlations for organic solutes and gases dissolved in 2-propanol, 2-butanol, 2-methyl-1-propanol and ethanol. Thermochimica Acta, 2011, 523, 214-220.	2.7	25
169	The Permeation of Neutral Molecules, Ions, and Ionic Species Through Membranes: Brain Permeation as an Example. Journal of Pharmaceutical Sciences, 2011, 100, 1690-1701.	3.3	48
170	Linear Free Energy Relationship Analysis of Retention Factors in Cerasome Electrokinetic Chromatography Intended for Predicting Drug Skin Permeation. Journal of Pharmaceutical Sciences, 2011, 100, 3105-3113.	3.3	32
171	Correlations for describing gas-to-ionic liquid partitioning at 323K based on ion-specific equation coefficient and group contribution versions of the Abraham model. Fluid Phase Equilibria, 2011, 301, 257-266.	2.5	45
172	Determination of Abraham model solute descriptors for 2-ethylanthraquinone based on measured solubility ratios. Physics and Chemistry of Liquids, 2011, 49, 355-365.	1.2	33
173	Determination of the Abraham model solute descriptors for 3,5-dinitro-2-methylbenzoic acid from measured solubility data in organic solvents. Physics and Chemistry of Liquids, 2011, 49, 821-829.	1.2	30
174	Structureâ€"activity relationships on the odor detectability of homologous carboxylic acids by humans. Experimental Brain Research, 2010, 207, 75-84.	1.5	39
175	Development of Abraham model correlations for solvation characteristics of secondary and branched alcohols. Fluid Phase Equilibria, 2010, 288, 121-127.	2.5	46
176	Prediction of Solubility of Drugs and Other Compounds in Organic Solvents. Journal of Pharmaceutical Sciences, 2010, 99, 1500-1515.	3.3	266
177	Waterâ€"Solvent Partition Coefficients and Î"â€‰Logâ€‰P Values as Predictors for Bloodâ€"Brain Distribution; Application of the Akaike Information Criterion. Journal of Pharmaceutical Sciences, 2010, 99, 2492-2501.	3.3	21
178	Development of correlations for describing solute transfer into acyclic alcohol solvents based on the Abraham model and fragment-specific equation coefficients. Fluid Phase Equilibria, 2010, 288, 139-144.	2.5	26
179	Mathematical correlations for describing solute transfer into functionalized alkane solvents containing hydroxyl, ether, ester or ketone solvents. Fluid Phase Equilibria, 2010, 298, 48-53.	2.5	38
180	Linear free energy relationship (LFER) correlations for the solubilising characterisation of room temperature ionic liquids containing triethylsulphonium and 1-butyl-1-methylpyrrolidinium cations. Physics and Chemistry of Liquids, 2010, 48, 385-393.	1.2	15

#	Article	IF	Citations
181	Linear free energy relationship correlations for the solubilising characterisation of room temperature ionic liquids containing 1-hexyloxymethyl-3-methylimidazolium and 1,3-dihexyloxymethylimidazolium cations. Physics and Chemistry of Liquids, 2010, 48, 394-402.	1.2	7
182	Equations for the Transfer of Neutral Molecules and Ionic Species from Water to Organic phases. Journal of Organic Chemistry, 2010, 75, 1006-1015.	3.2	121
183	Solute Descriptors for Phenoxide Anions and Their Use To Establish Correlations of Rates of Reaction of Anions with Iodomethane. Journal of Organic Chemistry, 2010, 75, 3021-3026.	3.2	64
184	Hydrogen Bonding between Solutes in Solvents Octan-1-ol and Water. Journal of Organic Chemistry, 2010, 75, 7651-7658.	3.2	12
185	Odor Detection by Humans of Lineal Aliphatic Aldehydes and Helional as Gauged by Doseâ€"Response Functions. Chemical Senses, 2010, 35, 289-299.	2.0	52
186	The biological and toxicological activity of gases and vapors. Toxicology in Vitro, 2010, 24, 357-362.	2.4	35
187	The transfer of neutral molecules, ions and ionic species from water to wet octanol. Physical Chemistry Chemical Physics, 2010, 12, 13182.	2.8	73
188	The transfer of neutral molecules, ions and ionic species from water to ethylene glycol and to propylene carbonate; descriptors for pyridinium cations. New Journal of Chemistry, 2010, 34, 2298.	2.8	72
189	Characterisation of room temperature ionic liquid chromatographic stationary phases by combining experimental retention factor and partition coefficient data into a single model. Physics and Chemistry of Liquids, 2009, 47, 74-83.	1.2	10
190	Prediction of convulsant activity of gases and vapors. European Journal of Medicinal Chemistry, 2009, 44, 885-890.	5.5	10
191	Enthalpy of solvation correlations for organic solutes and gases dissolved in N,N-dimethylformamide and tert-butanol. Journal of Molecular Liquids, 2009, 144, 23-31.	4.9	31
192	Enthalpy of solvation correlations for organic solutes and gases dissolved in acetonitrile and acetone. Thermochimica Acta, 2009, 484, 65-69.	2.7	31
193	Prediction of milk/plasma concentration ratios of drugs and environmental pollutants. European Journal of Medicinal Chemistry, 2009, 44, 2452-2458.	5.5	28
194	Correlation and prediction of solute transfer to chloroalkanes from both water and the gas phase. Fluid Phase Equilibria, 2009, 281, 144-162.	2.5	49
195	Development of Abraham model correlations for solvation characteristics of linear alcohols. Fluid Phase Equilibria, 2009, 286, 170-174.	2.5	51
196	Linear Free Energy Relationship Correlations for Room Temperature Ionic Liquids: Revised Cation-Specific and Anion-Specific Equation Coefficients for Predictive Applications Covering a Much Larger Area of Chemical Space. Industrial & Engineering Chemistry Research, 2009, 48, 4145-4154.	3.7	69
197	Olfactory psychometric functions for homologous 2-ketones. Behavioural Brain Research, 2009, 201, 207-215.	2.2	30
198	Partition of compounds from water and from air into amides. New Journal of Chemistry, 2009, 33, 2034.	2.8	60

#	Article	IF	Citations
199	The hydrogen bond acidity and other descriptors for oximes. New Journal of Chemistry, 2009, 33, 76-81.	2.8	16
200	The partition of compounds from water and from air into wet and dry ketones. New Journal of Chemistry, 2009, 33, 568-573.	2.8	74
201	Partition of compounds from water and from air into the wet and dry monohalobenzenes. New Journal of Chemistry, 2009, 33, 1685.	2.8	38
202	Design and Information Content of Arrays of Sorption-Based Vapor Sensors Using Solubility Interactions and Linear Solvation Energy Relationships. , 2009, , 193-218.		6
203	Correlation and prediction of partition coefficients for solute transfer to 1,2-dichloroethane from both water and from the gas phase. Fluid Phase Equilibria, 2008, 273, 78-86.	2.5	33
204	Comparison of solubility of gases and vapours in wet and dry alcohols, especially octanâ€1â€ol. Journal of Physical Organic Chemistry, 2008, 21, 823-832.	1.9	34
205	Effect of Anesthetic Structure on Inhalation Anesthesia: Implications for the Mechanism. Journal of Pharmaceutical Sciences, 2008, 97, 2373-2384.	3.3	29
206	The Correlation and Prediction of Butane/Water and Gas/Butane Partition Coefficients. Canadian Journal of Chemical Engineering, 2008, 83, 362-365.	1.7	8
207	Air to lung partition coefficients for volatile organic compounds and blood to lung partition coefficients for volatile organic compounds and drugs. European Journal of Medicinal Chemistry, 2008, 43, 478-485.	5.5	51
208	Correlation and prediction of partition coefficient between the gas phase and water, and the solvents dry methyl acetate, dry and wet ethyl acetate, and dry and wet butyl acetate. Fluid Phase Equilibria, 2008, 270, 30-44.	2.5	64
209	Enthalpy of solvation correlations for gaseous solutes dissolved in dibutyl ether and ethyl acetate. Thermochimica Acta, 2008, 470, 67-76.	2.7	34
210	Comments concerning â€œcharacterizations for vinylimidazolium based ionic liquid polymer stationary phases for capillary gas chromatographyâ€• Chromatographia, 2008, 68, 1075-1078.	1.3	2
211	Human olfactory detection of homologous n-alcohols measured via concentrationâ€“response functions. Pharmacology Biochemistry and Behavior, 2008, 89, 279-291.	2.9	76
212	A cut-off in ocular chemesthesis from vapors of homologous alkylbenzenes and 2-ketones as revealed by concentration-detection functions. Toxicology and Applied Pharmacology, 2008, 230, 298-303.	2.8	13
213	Concentration-detection functions for the odor of homologous n-acetate esters. Physiology and Behavior, 2008, 95, 658-667.	2.1	39
214	Solvation parameters for mercury and mercury(ii) compounds: calculation of properties of environmental interest. Journal of Environmental Monitoring, 2008, 10, 435.	2.1	14
215	LFER correlations for the solubilising characterisation of room temperature ionic liquids containing trifluoromethanesulfonate and trifluoroacetate anions. Physics and Chemistry of Liquids, 2008, 46, 631-642.	1.2	15
216	Correlation and Prediction of Partition Coefficients From the Gas Phase and from Water to Alkan-1-ols. Industrial & Engineering Chemistry Research, 2008, 47, 3990-3995.	3.7	44

#	Article	IF	Citations
217	A Quantitative Structure Activity Analysis on the Relative Sensitivity of the Olfactory and the Nasal Trigeminal Chemosensory Systems. Chemical Senses, 2007, 32, 711-719.	2.0	54
218	Chemical toxicity correlations for several protozoas, bacteria, and water fleas based on the Abraham solvation parameter model. Journal of Environmental Engineering and Science, 2007, 6, 165-174.	0.8	43
219	Henryâ€™s Law constants or air to water partition coefficients for 1,3,5-triazines by an LFER method. Journal of Environmental Monitoring, 2007, 9, 234-239.	2.1	16
220	Comment on â€œSystematic Investigation of the Sorption Properties of Polyurethane Foams for Organic Vaporsâ€: Analytical Chemistry, 2007, 79, 6891-6893.	6.5	15
221	Characterization of Room-Temperature Ionic Liquids by the Abraham Model with Cation-Specific and Anion-Specific Equation Coefficients. Journal of Chemical Information and Modeling, 2007, 47, 1123-1129.	5.4	79
222	Mathematical correlation of salicylamide solubilities in organic solvents with the Abraham solvation parameter model. Physics and Chemistry of Liquids, 2007, 45, 389-398.	1.2	39
223	Linear Free Energy Relationship Correlation of the Distribution of Solutes between Water and Sodium Dodecyl Sulfate (SDS) Micelles and between Gas and SDS Micelles. Journal of Chemical Information and Modeling, 2007, 47, 1808-1817.	5.4	36
224	Predicting Penetration Across the Blood-Brain Barrier from Simple Descriptors and Fragmentation Schemes. Journal of Chemical Information and Modeling, 2007, 47, 170-175.	5.4	122
225	Enthalpy of Solvation Correlations for Gaseous Solutes Dissolved in Water and in 1-Octanol Based on the Abraham Model. Journal of Chemical Information and Modeling, 2007, 47, 115-121.	5.4	107
226	Enthalpy of solvation correlations for gaseous solutes dissolved in dimethyl sulfoxide and propylene carbonate based on the Abraham model. Thermochimica Acta, 2007, 459, 17-25.	2.7	44
227	Air to liver partition coefficients for volatile organic compounds and blood to liver partition coefficients for volatile organic compounds and drugs. European Journal of Medicinal Chemistry, 2007, 42, 743-751.	5.5	65
228	Partition of compounds from gas to water and from gas to physiological saline at 310K: Linear free energy relationships. Fluid Phase Equilibria, 2007, 251, 93-109.	2.5	73
229	Characterization of the retention behavior of organic and pharmaceutical drug molecules on an immobilized artificial membrane column with the Abraham model. Journal of Chromatography A, 2007, 1160, 235-245.	3.7	36
230	Characterization of the sorption of gaseous and organic solutes onto polydimethyl siloxane solid-phase microextraction surfaces using the Abraham model. Journal of Chromatography A, 2007, 1175, 162-173.	3.7	97
231	Blood or plasma to skin distribution of drugs: A linear free energy analysis. International Journal of Pharmaceutics, 2007, 329, 129-134.	5.2	28
232	Concentration-detection functions for eye irritation evoked by homologous n-alcohols and acetates approaching a cut-off point. Experimental Brain Research, 2007, 182, 71-79.	1.5	14
233	Enthalpy of Solvation Correlations for Gaseous Solutes Dissolved in Toluene and Carbon Tetrachloride Based on the AbrahamÂModel. Journal of Solution Chemistry, 2007, 36, 947-966.	1.2	42
234	Enthalpy of solvation correlations for gaseous solutes dissolved in chloroform and 1,2-dichloroethane based on the Abraham model. Fluid Phase Equilibria, 2007, 258, 191-198.	2.5	36

#	Article	IF	Citations
235	Prediction of gas to water partition coefficients from 273 to 373K using predicted enthalpies and heat capacities of hydration. Fluid Phase Equilibria, 2007, 262, 97-110.	2.5	35
236	Chromatographic Estimation of Drug Disposition Properties by Means of Immobilized Artificial Membranes (IAM) and C18 Columns. Journal of Medicinal Chemistry, 2006, 49, 4861-4870.	6.4	92
237	Air to Muscle and Blood/Plasma to Muscle Distribution of Volatile Organic Compounds and Drugs:â€‰ Linear Free Energy Analyses. Chemical Research in Toxicology, 2006, 19, 801-808.	3.3	63
238	Comments on â€œSolvation Parameters. 2. A Simplified Molecular Topology To Generate Easily Optimized Valuesâ€• Journal of Chemical Information and Modeling, 2006, 46, 1879-1881.	5.4	9
239	Gas to Olive Oil Partition Coefficients:Â A Linear Free Energy Analysis. Journal of Chemical Information and Modeling, 2006, 46, 1735-1741.	5.4	36
240	Chemesthesis from volatile organic compounds: Psychophysical and neural responses. Physiology and Behavior, 2006, 88, 317-324.	2.1	35
241	Hydrogen bonding, steric effects and thermodynamics of partitioning. Journal of Physical Organic Chemistry, 2006, 19, 242-248.	1.9	22
242	Air toÂbrain, blood toÂbrain andÂplasma toÂbrain distribution ofÂvolatile organic compounds: linear free energy analyses. European Journal of Medicinal Chemistry, 2006, 41, 494-502.	5.5	58
243	Air to fat and blood to fat distribution of volatile organic compounds and drugs: Linear free energy analyses. European Journal of Medicinal Chemistry, 2006, 41, 1430-1438.	5.5	57
244	Soluteâ€"solvent interactions in micellar liquid chromatography. Journal of Chromatography A, 2006, 1117, 47-55.	3.7	26
245	NMR Method for the Determination of Solute Hydrogen Bond Acidity. Journal of Organic Chemistry, 2006, 71, 3389-3394.	3.2	81
246	Comparative analysis of solvation and selectivity in room temperature ionic liquids using the Abraham linear free energy relationship. Green Chemistry, 2006, 8, 906.	9.0	130
247	Correlating toxicities of organic compounds to select protozoa using the Abraham model. Science of the Total Environment, 2006, 369, 109-118.	8.0	24
248	Correlation of the toxicity of organic compounds to tadpoles using the Abraham model. Science of the Total Environment, 2006, 371, 99-109.	8.0	47
249	The analysis of solvation in ionic liquids and organic solvents using the Abraham linear free energy relationship. Journal of Chemical Technology and Biotechnology, 2006, 81, 1441-1446.	3.2	98
250	A data base for partition of volatile organic compounds and drugs from blood/plasma/serum to brain, and an LFER analysis of the data. Journal of Pharmaceutical Sciences, 2006, 95, 2091-2100.	3.3	131
251	Chemical Boundaries for Detection of Eye Irritation in Humans from Homologous Vapors. Toxicological Sciences, 2006, 91, 600-609.	3.1	19
252	Mathematical correlation of 1-chloroanthraquinone solubilities in organic solvents with the Abraham solvation parameter model. Physics and Chemistry of Liquids, 2006, 44, 377-386.	1.2	47

#	Article	IF	Citations
253	Mathematical correlation of phenothiazine solubilities in organic solvents with the Abraham solvation parameter model. Physics and Chemistry of Liquids, 2006, 44, 367-376.	1.2	36
254	Mathematical correlation of 1,2,4,5-tetramethylbenzene solubilities in organic solvents with the Abraham solvation parameter model. Physics and Chemistry of Liquids, 2006, 44, 173-182.	1.2	17
255	Characterisation of the waterâ€"isopropyl myristate system. International Journal of Pharmaceutics, 2005, 294, 121-128.	5.2	36
256	Solubility of crystalline nonelectrolyte solutes in organic solvents: mathematical correlation of 3-nitrobenzoic acid solubilities with the Abraham general solvation model. Journal of Molecular Liquids, 2005, 116, 19-28.	4.9	33
257	Solubility of 9-fluorenone, thianthrene and xanthene in organic solvents. Fluid Phase Equilibria, 2005, 232, 113-121.	2.5	67
258	Comments regarding â€œpredicting the equilibrium partitioning of organic compounds using just one linear solvation energy relationship (LSER)â€• Fluid Phase Equilibria, 2005, 237, 224-226.	2.5	24
259	Molecular restrictions for human eye irritation by chemical vapors. Toxicology and Applied Pharmacology, 2005, 207, 232-243.	2.8	18
260	Correlation of the Solubility Behavior of Crystalline 1-Nitronapthalene in Organic Solvents With the Abraham Solvation Parameter Model. Journal of Solution Chemistry, 2005, 34, 1121-1133.	1.2	26
261	SOLUBILITY BEHAVIOR OF CRYSTALLINE POLYCYCLIC AROMATIC HYDROCARBONS (PAHs): PREDICTION OF FLUORENE SOLUBILITIES IN ORGANIC SOLVENTS WITH THE ABRAHAM SOLVATION PARAMETER MODEL. Polycyclic Aromatic Compounds, 2005, 25, 313-326.	2.6	15
262	Determinants for Nasal Trigeminal Detection of Volatile Organic Compounds. Chemical Senses, 2005, 30, 627-642.	2.0	52
263	Solvation parameters for the 209 PCBs: calculation of physicochemical properties. Journal of Environmental Monitoring, 2005, 7, 295.	2.1	44
264	The estimation of physicochemical properties of methyl and other alkyl naphthalenes. Journal of Environmental Monitoring, 2005, 7, 445.	2.1	6
265	Characterisation of the water/o-nitrophenyl octyl ether system in terms of the partition of nonelectrolytes and of ions. Physical Chemistry Chemical Physics, 2005, 7, 2418.	2.8	33
266	Solubility of crystalline nonelectrolyte solutes in organic solvents: mathematical correlation of 4-chloro-3-nitrobenzoic acid and 2-chloro-5-nitrobenzoic acid solubilities with the Abraham solvation parameter model. Physics and Chemistry of Liquids, 2005, 43, 351-360.	1.2	64
267	Octanol/Water Partition of Ionic Species, Including 544 Cations. Journal of Organic Chemistry, 2005, 70, 2633-2640.	3.2	56
268	Air to Blood Distribution of Volatile Organic Compounds:â€‰ A Linear Free Energy Analysis. Chemical Research in Toxicology, 2005, 18, 904-911.	3.3	73
269	Odor detection of single chemicals and binary mixtures. Behavioural Brain Research, 2005, 156, 115-123.	2.2	46
270	Chemical Toxicity Correlations for Several Fish Species Based on the Abraham Solvation Parameter Model. Chemical Research in Toxicology, 2005, 18, 1497-1505.	3.3	94

#	Article	IF	Citations
271	Thermochemical behavior of dissolved carboxylic acid solutes: part 5 â€“ mathematical correlation of 3,5-dinitrobenzoic acid solubilities with the abraham solvation parameter model. Physics and Chemistry of Liquids, 2004, 42, 457-466.	1.2	33
272	Mathematical correlation of naproxen solubilities in organic solvents with the abraham solvation parameter model. Physics and Chemistry of Liquids, 2004, 42, 481-491.	1.2	32
273	Thermochemical behavior of dissolved carboxylic acid solutes: part 4 â€“ mathematical correlation of 4-nitrobenzoic acid solubilities with the abraham solvation parameter model. Physics and Chemistry of Liquids, 2004, 42, 339-347.	1.2	49
274	Detection of single and mixed VOCs by smell and by sensory irritation. Indoor Air, 2004, 14, 108-117.	4.3	67
275	Hydrogen bond and other descriptors for thalidomide and its N-alkyl analogs; prediction of physicochemical and biological properties. European Journal of Pharmaceutical Sciences, 2004, 21, 465-469.	4.0	7
276	Chemosensory additivity in trigeminal chemoreception as reflected by detection of mixtures. Experimental Brain Research, 2004, 158, 196-206.	1.5	19
277	Human Skin Permeation and Partition: General Linear Freeâ€Energy Relationship Analyses. Journal of Pharmaceutical Sciences, 2004, 93, 1508-1523.	3.3	182
278	Determination of sets of solute descriptors from chromatographic measurements. Journal of Chromatography A, 2004, 1037, 29-47.	3.7	835
279	100 years of chromatographyâ€"or is it 171?. Journal of Chromatography A, 2004, 1061, 113-114.	3.7	15
280	The factors that influence permeation across the bloodâ€"brain barrier. European Journal of Medicinal Chemistry, 2004, 39, 235-240.	5.5	143
281	Thermochemical behavior of dissolved Carboxylic Acid solutes: Part 3 â€“ Mathematical Correlation of 2-Methylbenzoic acid solubilities with the Abraham Solvation Parameter Model. Physics and Chemistry of Liquids, 2004, 42, 313-322.	1.2	47
282	Solubility of crystalline nonelectrolyte solutes in organic solvents Â— Mathematical correlation of 2-methoxybenzoic acid and 4-methoxybenzoic acid solubilities with the Abraham solvation parameter model. Canadian Journal of Chemistry, 2004, 82, 1353-1360.	1.1	43
283	Thermochemical behavior of dissolved Carboxylic Acid solutes: Part 2 â€“ Mathematical Correlation of Ketoprofen Solubilities with the Abraham General Solvation Model. Physics and Chemistry of Liquids, 2004, 42, 305-312.	1.2	19
284	Determination of Solvation Descriptors for Ionic Species:â€‰ Hydrogen Bond Acidity and Basicity. Journal of Organic Chemistry, 2004, 69, 4677-4685.	3.2	83
285	Mathematical correlation of 4-aminobenzoic acid solubilities in organic solvents with the abraham solvation parameter model. Physics and Chemistry of Liquids, 2004, 42, 633-641.	1.2	19
286	Correlation and prediction of partition coefficients between the gas phase and water, and the solvents dodecane and undecane. New Journal of Chemistry, 2004, 28, 1538.	2.8	45
287	Some Novel Liquid Partitioning Systems:Â Waterâˆ'Ionic Liquids and Aqueous Biphasic Systems. Industrial & Engineering Chemistry Research, 2003, 42, 413-418.	3.7	186
288	Solubility of Crystalline Nonelectrolyte Solutes in Organic Solvents: Mathematical Correlation of Acetylsalicylic Acid Solubilities with the Abraham General Solvation Model. Journal of Solution Chemistry, 2003, 32, 1087-1102.	1.2	56

#	Article	IF	Citations
289	Quantitative relationship between rat intestinal absorption and Abraham descriptors. European Journal of Medicinal Chemistry, 2003, 38, 939-947.	5.5	37
290	A critique of a thermodynamic description of hydrophobic aggregation in aqueous solution. Thermochimica Acta, 2003, 403, 219-222.	2.7	2
291	Evaluation of rat intestinal absorption data and correlation with human intestinal absorption. European Journal of Medicinal Chemistry, 2003, 38, 233-243.	5.5	89
292	Determination of McGowan Volumes for Ions and Correlation with van der Waals Volumes. Journal of Chemical Information and Computer Sciences, 2003, 43, 1848-1854.	2.8	67
293	Dose-addition of individual odorants in the odor detection of binary mixtures. Behavioural Brain Research, 2003, 138, 95-105.	2.2	30
294	Thermochemical behavior of dissolved carboxylic acid solutes: Solubilities of 3-methylbenzoic acid and 4-chlorobenzoic acid in organic solvents. Canadian Journal of Chemistry, 2003, 81, 1492-1501.	1.1	49
295	The determination of air/water partition coefficients for alkyl carboxylic acids by a new indirect method. Journal of Environmental Monitoring, 2003, 5, 747.	2.1	20
296	Partition of solutes into wet and dry ethers; an LFER analysisElectronic supplementary information (ESI) available: tables of solute descriptors and log P values. Values of log Kw and L. See http://www.rsc.org/suppdata/nj/b3/b303016d/. New Journal of Chemistry, 2003, 27, 1041.	2.8	83
297	Draize Rabbit Eye Test Compatibility with Eye Irritation Thresholds in Humans: A Quantitative Structure-Activity Relationship Analysis. Toxicological Sciences, 2003, 76, 384-391.	3.1	81
298	Prediction and Mathematical Correlation of the Solubility of Fluorene in Alcohol Solvents Based upon the Abraham General Solvation Model. Physics and Chemistry of Liquids, 2002, 40, 581-591.	1.2	20
299	A Model for Odour Thresholds. Chemical Senses, 2002, 27, 95-104.	2.0	54
300	Solubility of the Pesticide Monuron in Organic Nonelectrolyte Solvents. Comparison of Observed Versus Predicted Values Based upon Mobile Order Theory. Physics and Chemistry of Liquids, 2002, 40, 255-268.	1.2	21
301	Self-Assembly Does Not Account for the Hydrophobic Effect. Journal of the American Chemical Society, 2002, 124, 7853-7856.	13.7	9
302	Hydrogen Bond Basicity of the Chlorogroup; Hexachlorocyclohexanes as Strong Hydrogen Bond Bases. Journal of Organic Chemistry, 2002, 67, 4782-4786.	3.2	32
303	The lipophilicity of Sudan I and its tautomeric forms. Physical Chemistry Chemical Physics, 2002, 4, 5748-5752.	2.8	22
304	Calculation of Abraham descriptors from experimental data from seven HPLC systems; evaluation of five different methods of calculationElectronic supplementary information (ESI) available: Tables S1 to S5. See http://www.rsc.org/suppdata/p2/b2/b206927j/. Perkin Transactions II RSC, 2002, , 2001-2010.	1.1	94
305	A Comparison between the Two General Sets of Linear Free Energy Descriptors of Abraham and Klamt. Journal of Chemical Information and Computer Sciences, 2002, 42, 1320-1331.	2.8	122
306	Solvation descriptors for N-nitrosodialkylamines; calculation of some of their properties of environmental significance. Journal of Environmental Monitoring, 2002, 4, 743-746.	2.1	16

#	Article	IF	Citations
307	Calculation of Abraham descriptors from solventâ€"water partition coefficients in four different systems; evaluation of different methods of calculation. Perkin Transactions II RSC, 2002, , 470-477.	1.1	117
308	Application of hydrogen bonding calculations in property based drug design. Drug Discovery Today, 2002, 7, 1056-1063.	6.4	163
309	Psychometric functions for the olfactory and trigeminal detectability of butyl acetate and toluene. Journal of Applied Toxicology, 2002, 22, 25-30.	2.8	42
310	Solubility predictions for crystalline polycyclic aromatic hydrocarbons (PAHs) dissolved in organic solvents based upon the Abraham general solvation model. Fluid Phase Equilibria, 2002, 201, 245-258.	2.5	99
311	On the mechanism of human intestinal absorption. European Journal of Medicinal Chemistry, 2002, 37, 595-605.	5.5	71
312	Soluteâ€"solvent interactions in micellar electrokinetic chromatography. Journal of Chromatography A, 2002, 942, 237-248.	3.7	85
313	Title is missing!. Journal of Solution Chemistry, 2002, 31, 293-303.	1.2	83
314	Rate-limited steps of human oral absorption and QSAR studies. Pharmaceutical Research, 2002, 19, 1446-1457.	3.5	576
315	Inverse Least-Squares Modeling of Vapor Descriptors Using Polymer-Coated Surface Acoustic Wave Sensor Array Responses. Analytical Chemistry, 2001, 73, 5247-5259.	6.5	48
316	The solubility of gases and vapours in dry octan-1-ol at 298 K. Chemosphere, 2001, 44, 855-863.	8.2	73
317	Solubility predictions for crystalline nonelectrolyte solutes dissolved in organic solvents based upon the Abraham general solvation model. Canadian Journal of Chemistry, 2001, 79, 1466-1476.	1.1	65
318	Partition of solutes from the gas phase and from water to wet and dry di-n-butyl ether: a linear free energy relationship analysis. Physical Chemistry Chemical Physics, 2001, 3, 3732-3736.	2.8	78
319	Solvation descriptors for the polychloronaphthalenes: estimation of some physicochemical properties. Journal of Environmental Monitoring, 2001, 3, 377-381.	2.1	28
320	Solvation properties of refrigerants, and the estimation of their waterâ€"solvent and gasâ€"solvent partitions. Fluid Phase Equilibria, 2001, 180, 41-58.	2.5	30
321	Evaluation of human intestinal absorption data and subsequent derivation of a quantitative structureâ€"activity relationship (QSAR) with the Abraham descriptors. Journal of Pharmaceutical Sciences, 2001, 90, 749-784.	3.3	436
322	Hydrogen Bond Structural Group Constants. Journal of Organic Chemistry, 2001, 66, 3484-3491.	3.2	230
323	Correlation and prediction of a large bloodâ€"brain distribution data setâ€"an LFER study. European Journal of Medicinal Chemistry, 2001, 36, 719-730.	5.5	200
324	RAPID METHOD FOR ESTIMATING OCTANOL-WATER PARTITION COEFFICIENT (LOG POCT) FROM ISOCRATIC RP-HPLC AND A HYDROGEN BOND ACIDITY TERM (A). Journal of Liquid Chromatography and Related Technologies, 2001, 24, 635-649.	1.0	33

#	Article	IF	Citations
325	Solubility predictions for crystalline nonelectrolyte solutes dissolved in organic solvents based upon the Abraham general solvation model. Canadian Journal of Chemistry, 2001, 79, 1466-1476.	1.1	35
326	Solvation descriptors for pesticides from the solubility of solids: diuron as an example. Pest Management Science, 2000, 56, 1043-1053.	3.4	79
327	Estimation of molecular linear free energy relationship descriptors. 4. Correlation and prediction of cell permeation. Pharmaceutical Research, 2000, 17, 1013-1018.	3.5	33
328	Lipophilicity of the Nitrophenols. Journal of Organic Chemistry, 2000, 65, 7114-7118.	3.2	66
329	The solvation properties of nitric oxide. Perkin Transactions II RSC, 2000, , 2067-2070.	1.1	20
330	Correlation and prediction of the solubility of Buckminsterfullerene in organic solvents; estimation of some physicochemical properties. Perkin Transactions II RSC, 2000, , 281-286.	1.1	64
331	Characterizing the Selectivity of Stationary Phases and Organic Modifiers in Reversed-Phase High-Performance Liquid Chromatographic Systems by a General Solvation Equation Using Gradient Elution. Journal of Chromatographic Science, 2000, 38, 503-511.	1.4	65
332	Comparison of Two Stimulus-delivery Systems for Measurement of Nasal Pungency Thresholds. Chemical Senses, 2000, 25, 285-291.	2.0	33
333	Solvation descriptors for ferrocene, and the estimation of some physicochemical and biochemical properties. New Journal of Chemistry, 2000, 24, 825-829.	2.8	81
334	Partition of Volatile Organic Compounds from Air and from Water into Plant Cuticular Matrix:â€‰ An LFER Analysis. Environmental Science & Technology, 2000, 34, 318-323.	10.0	74
335	Solubility of the pesticide diuron in organic nonelectrolyte solvents. Comparison of observed vs. predicted values based upon Mobile Order theory. Canadian Journal of Chemistry, 2000, 78, 184-190.	1.1	22
336	Estimation of Molecular Linear Free Energy Relationship Descriptors by a Group Contribution Approach. 2. Prediction of Partition Coefficients. Journal of Chemical Information and Computer Sciences, 2000, 40, 71-80.	2.8	151
337	The Solvation Properties of the Aliphatic Alcohols. Collection of Czechoslovak Chemical Communications, 1999, 64, 1748-1760.	1.0	64
338	Classification of stationary phases and other materials by gas chromatography. Journal of Chromatography A, 1999, 842, 79-114.	3.7	351
339	Hydrogen bonding. 47. Characterization of the ethylene glycolâ€“heptane partition system: Hydrogen bond acidity and basicity of peptides. Journal of Pharmaceutical Sciences, 1999, 88, 241-247.	3.3	58
340	Correlation and estimation of gasâ€“chloroform and waterâ€“chloroform partition coefficients by a linear free energy relationship method. Journal of Pharmaceutical Sciences, 1999, 88, 670-679.	3.3	94
341	The correlation and prediction of the solubility of compounds in water using an amended solvation energy relationship. Journal of Pharmaceutical Sciences, 1999, 88, 868-880.	3.3	262
342	Soluteâ€“solvent interactions in micellar electrokinetic chromatography. Journal of Chromatography A, 1999, 845, 217-226.	3.7	63

#	Article	IF	Citations
343	Hydrogen bonding part 46: a review of the correlation and prediction of transport properties by an lfer method: physicochemical properties, brain penetration and skin permeability. Pest Management Science, 1999, 55, 78-88.	0.4	89
344	Solubility of gases and vapours in propan-1-ol at 298 K. Journal of Physical Organic Chemistry, 1999, 12, 675-680.	1.9	55
345	Estimation of Molecular Linear Free Energy Relation Descriptors Using a Group Contribution Approach. Journal of Chemical Information and Computer Sciences, 1999, 39, 835-845.	2.8	410
346	Chemosensory Detectability of 1-Butanol and 2-Heptanone Singly and in Binary Mixtures. Physiology and Behavior, 1999, 67, 269-276.	2.1	67
347	Method for Unknown Vapor Characterization and Classification Using a Multivariate Sorption Detector. Initial Derivation and Modeling Based on Polymer-Coated Acoustic Wave Sensor Arrays and Linear Solvation Energy Relationships. Analytical Chemistry, 1999, 71, 4544-4553.	6.5	72
348	Hydrogen bonding part 46: a review of the correlation and prediction of transport properties by an lfer method: physicochemical properties, brain penetration and skin permeability. Pest Management Science, 1999, 55, 78-88.	0.4	15
349	Hydrogen bonding part 46: A review of the correlation and prediction of transport properties by an LFER method: physicochemical properties, brain penetration and skin permeability??. Pest Management Science, 1999, 55, 78-88.	0.4	12
350	Rapid Gradient RP-HPLC Method for Lipophilicity Determination:â€‰ A Solvation Equation Based Comparison with Isocratic Methods. Analytical Chemistry, 1998, 70, 4228-4234.	6.5	126
351	Sensory Properties of Selected Terpenes: Thresholds for Odor, Nasal Pungency, Nasal Localization, and Eye Irritationa. Annals of the New York Academy of Sciences, 1998, 855, 648-651.	3.8	34
352	Draize Eye Scores and Eye Irritation Thresholds in Man Can Be Combined into One QSARa. Annals of the New York Academy of Sciences, 1998, 855, 652-656.	3.8	20
353	A Theoretical Approach to the Ferguson Principle and its Use with Nonâ€Reactive and Reactive Airborne Chemicals. Basic and Clinical Pharmacology and Toxicology, 1998, 83, 270-279.	0.0	20
354	Determination of solute descriptors of tripeptide derivatives based on high-throughput gradient high-performance liquid chromatography retention data. Journal of Chromatography A, 1998, 803, 51-60.	3.7	44
355	An algorithm for nasal pungency thresholds in man. Archives of Toxicology, 1998, 72, 227-232.	4.2	89
356	Nasal pungency and odor of homologous aldehydes and carboxylic acids. Experimental Brain Research, 1998, 118, 180-188.	1.5	118
357	Descriptors for solutes from the solubility of solids: trans-stilbene as an example. Journal of the Chemical Society Perkin Transactions II, 1998, , 2677-2682.	0.9	77
358	The solubility of gases and vapours in ethanol - the connection between gaseous solubility and water-solvent partition. Canadian Journal of Chemistry, 1998, 76, 703-709.	1.1	53
359	The determination of solvation descriptors for terpenes, and the prediction of nasal pungency thresholds. Journal of the Chemical Society Perkin Transactions II, 1998, , 2405-2412.	0.9	31
360	Hydrogen bonding. Part 45.â€ The solubility of gases and vapours in methanol at 298 K: an LFER analysis. Journal of the Chemical Society Perkin Transactions II, 1998, , 1385-1390.	0.9	65

#	Article	IF	Citations
361	Characterization of Some GLC Chiral Stationary Phases:Â LFER Analysis. Analytical Chemistry, 1997, 69, 613-617.	6.5	36
362	Solvatochromic analysis of di-n-butyl ether/water partition coefficients as compared to other solvent systems. Journal of the Chemical Society Perkin Transactions II, 1997, , 2639-2644.	0.9	24
363	On the Partition of Ampholytes: Application to Bloodâ€"Brain Distribution. Journal of Pharmaceutical Sciences, 1997, 86, 310-315.	3.3	128
364	HYDROGEN BONDING. 42. CHARACTERIZATION OF REVERSED-PHASE HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC C18 STATIONARY PHASES. Journal of Physical Organic Chemistry, 1997, 10, 358-368.	1.9	173
365	Retention properties of a spacer-bonded propanediol sorbent for reversed-phase liquid chromatography and solid-phase extraction. Analyst, The, 1996, 121, 511.	3.5	56
366	Sensory irritation mechanisms investigated from model compounds: trifluoroethanol, hexafluoroisopropanol and methyl hexafluoroisopropyl ether. Archives of Toxicology, 1996, 70, 319-328.	4.2	17
367	Solute effects on reversed-phase thin-layer chromatography a linear free energy relationship analysis. Journal of Chromatography A, 1996, 749, 201-209.	3.7	41
368	Study of retention in reversed-phase liquid chromatography using linear solvation energy relationships I. The stationary phase. Journal of Chromatography A, 1996, 752, 1-18.	3.7	200
369	Linear free energy relationship analysis of microemulsion electrokinetic chromatographic determination of lipophilicity. Journal of Chromatography A, 1996, 752, 243-249.	3.7	102
370	Hydrogen bonding. Part 40. Factors that influence the distribution of solutes between water and sodium dodecylsulfate micelles. Journal of the Chemical Society Perkin Transactions II, 1995, , 887.	0.9	93
371	Partition between phases of a solute that exists as two interconverting species. Journal of the Chemical Society Perkin Transactions II, 1995, , 1839.	0.9	7
372	Factors that influence tadpole narcosis. An LFER analysis. Journal of the Chemical Society Perkin Transactions II, 1995, , 1843.	0.9	86
373	Professor Robert W. Taft. Journal of Physical Organic Chemistry, 1994, 7, 655-656.	1.9	3
374	Hydrogen bonding. 38. Effect of solute structure and mobile phase composition on reversed-phase high-performance liquid chromatographic capacity factors. Journal of Physical Organic Chemistry, 1994, 7, 672-684.	1.9	136
375	Hydrogen bonding. 39. The partition of solutes between water and various alcohols. Journal of Physical Organic Chemistry, 1994, 7, 712-716.	1.9	62
376	Hydrogen Bonding. 32. An Analysis of Water-Octanol and Water-Alkane Partitioning and the Î"log P Parameter of Seiler. Journal of Pharmaceutical Sciences, 1994, 83, 1085-1100.	3.3	694
377	Hydrogen Bonding. 33. Factors That Influence the Distribution of Solutes between Blood and Brain. Journal of Pharmaceutical Sciences, 1994, 83, 1257-1268.	3.3	272
378	Physicochemical analysis of the factors governing distribution of solutes between blood and brain. Bioorganic and Medicinal Chemistry Letters, 1994, 4, 2511-2516.	2.2	31

#	Article	IF	Citations
379	Hydrogen bonding. Part 34. The factors that influence the solubility of gases and vapours in water at 298 K, and a new method for its determination. Journal of the Chemical Society Perkin Transactions II, 1994, , 1777.	0.9	425
380	Hydrogen bonding. Journal of Chromatography A, 1993, 644, 95-139.	3.7	125
381	Hydrogen bonding. 31. Construction of a scale of solute effective or summation hydrogen-bond basicity. Journal of Physical Organic Chemistry, 1993, 6, 660-684.	1.9	338
382	Scales of solute hydrogen-bonding: their construction and application to physicochemical and biochemical processes. Chemical Society Reviews, 1993, 22, 73.	38.1	1,969
383	Hydrogen bonding. Part 25. The solvation properties of methylene iodide. Journal of the Chemical Society Perkin Transactions II, 1993, , 299-304.	0.9	48
384	Hydrogen bonding. Journal of Chromatography A, 1992, 594, 229-241.	3.7	78
385	Hydrogen bonding. Journal of Chromatography A, 1992, 627, 294-299.	3.7	44
386	Hydrogen-bonding. Part 22. Characterization of soybean oil and prediction of activity coefficients in soybean oil from inverse gas chromatographic data. JAOCS, Journal of the American Oil Chemists' Society, 1992, 69, 1236-1238.	1.9	19
387	Hydrogen bonding. Journal of Chromatography A, 1991, 587, 213-228.	3.7	267
388	Hydrogen bonding. Part 10. A scale of solute hydrogen-bond basicity using log K values for complexation in tetrachloromethane. Journal of the Chemical Society Perkin Transactions II, 1990, , 521.	0.9	349
389	Hydrogen Bonding 12. A New QSAR for Upper Respiratory Tract Irritation by Airborne Chemicals in Mice. QSAR and Combinatorial Science, 1990, 9, 6-10.	1.2	49
390	Hydrogen bonding. Part 13. A new method for the characterisation of GLC stationary phasesâ€"the laffort data set. Journal of the Chemical Society Perkin Transactions II, 1990, , 1451-1460.	0.9	244
391	Hydrogen bonding. Part 7. A scale of solute hydrogen-bond acidity based on log K values for complexation in tetrachloromethane. Journal of the Chemical Society Perkin Transactions II, 1989, , 699.	0.9	327
392	Hydrogen-bonding. Part 6. A thermodynamically-based scale of solute hydrogen-bond basicity. Tetrahedron Letters, 1989, 30, 2571-2574.	1.4	47
393	Hydrogen-bonding. Part 4. An analysis of solute hydrogen-bond basicity, in terms of complexation constants (logK), using F1 and F2 factors, the principal components of different kinds of basicity. Journal of Physical Organic Chemistry, 1989, 2, 243-254.	1.9	24
394	Hydrogen-bonding 8. Possible equivalence of solute and solvent scales of hydrogen-bond basicity of non-associated compounds. Journal of Physical Organic Chemistry, 1989, 2, 540-552.	1.9	59
395	Solute-solvent interactions in chemical and biological systems. IV. Correlations of ?G, ?H andT?S of transfer of aliphatic and aromatic solutes from 2,2,4-trimethylpentane to aqueous solution. Journal of Physical Organic Chemistry, 1989, 2, 559-564.	1.9	9
396	A general treatment of hydrogen bond complexation constants in tetrachloromethane. Journal of the American Chemical Society, 1988, 110, 8534-8536.	13.7	125

#	Article	IF	Citations
397	Solubility Properties in Biological Media. 12. Regarding the Mechanism of Nonspecific Toxicity or Narcosis by Organic Nonelectrolytes. QSAR and Combinatorial Science, 1988, 7, 71-78.	1.2	60
398	Linear solvation energy relationship. 46. An improved equation for correlation and prediction of octanol/water partition coefficients of organic nonelectrolytes (including strong hydrogen bond) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.0	410
399	Solvent effects in organic chemistry â€" recent developments. Canadian Journal of Chemistry, 1988, 66, 2673-2686.	1.1	272
400	A quantitative measure of solvent solvophobic effect. Journal of the Chemical Society Perkin Transactions II, 1988, , 339.	0.9	86
401	The temperature variation of the hydrophobic effect. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 1985.	1.0	38
402	Substitution at saturated carbon. Part 26. A complete analysis of solvent effects on initial states and transition states for the solvolysis of the t-butyl halides in terms of G, H, and S using the unified method. Journal of the Chemical Society Perkin Transactions II, 1988, , 1717.	0.9	47
403	Solvation of gaseous non-electrolytes. Faraday Discussions of the Chemical Society, 1988, 85, 107.	2.2	41
404	Determination of olive oilâ€"gas and hexadecaneâ€"gas partition coefficients, and calculation of the corresponding olive oilâ€"water and hexadecaneâ€"water partition coefficients. Journal of the Chemical Society Perkin Transactions II, 1987, , 797-803.	0.9	181
405	Linear solvation energy relationships. Part 38. An analysis of the use of solvent parameters in the correlation of rate constants, with special reference to the solvolysis of t-butyl chloride. Journal of the Chemical Society Perkin Transactions II, 1987, , 1097.	0.9	30
406	Linear solvation energy relationships. Part 37. An analysis of contributions of dipolarityâ€"polarisability, nucleophilic assistance, electrophilic assistance, and cavity terms to solvent effects on t-butyl halide solvolysis rates. Journal of the Chemical Society Perkin Transactions II, 1987, , 913-920.	0.9	79
407	Linear solvation energy relations. Journal of Solution Chemistry, 1985, 14, 153-186.	1.2	515
408	The molecular properties governing solubilities of organic nonelectrolytes in water. Nature, 1985, 313, 384-386.	27.8	86
409	Linear solvation energy relationships. 29. Solution properties of some tetraalkylammonium halide ion pairs and dissociated ions. Journal of the American Chemical Society, 1985, 107, 3105-3110.	13.7	71
410	Solubility properties in polymers and biological media. 2. The correlation and prediction of the solubilities of nonelectrolytes in biological tissues and fluids. Journal of Medicinal Chemistry, 1985, 28, 865-870.	6.4	67
411	Single-ion gibbs energies, enthalpies and entropies of transfer from water to aqueous methanol based on the (Ph4P+, Ph4As+)= Ph4Bâ€" assumption. Journal of the Chemical Society Faraday Transactions I, 1984, 80, 489.	1.0	94
412	Thermodynamics of solution of homologous series of solutes in water. Journal of the Chemical Society Faraday Transactions I, 1984, 80, 153.	1.0	146
413	Linear solvation energy relationships. 23. A comprehensive collection of the solvatochromic parameters, .pi.*, .alpha., and .beta., and some methods for simplifying the generalized solvatochromic equation. Journal of Organic Chemistry, 1983, 48, 2877-2887.	3.2	3,340
414	Solvent and gas-phase effects on the equilibrium between configurational isomers of some 4-t-butyicyclohexanes. Journal of the Chemical Society Perkin Transactions II, 1982, , 1503.	0.9	7

#	Article	IF	Citations
415	Linear solvation energy relationships. 15. Heterolytic decomposition of the tert-butyl halides. Journal of Organic Chemistry, 1981, 46, 3053-3056.	3.2	59
416	Calculations on ionic solvation. Part 4.â€"Further calculations in solvation of gaseous univalent ions using one-layer and two-layer continuum models. Journal of the Chemical Society Faraday Transactions I, 1980, 76, 1219.	1.0	34
417	Solvent effects on the cis- and trans-4-t-butylcyclohexanol equilibrium by a new method, using gas-chromatographic head-space analysis. Journal of the Chemical Society Chemical Communications, 1980, , 312.	2.0	2
418	Substitution at saturated carbon. Part 25. The iododemetallation of benzyltrialkyltins in methanol. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 1980, 89, 819-829.	0.0	1
419	Thermodynamic parameters for the transfer of ions from water to propylene carbonate. Monatshefte FÃ¼r Chemie, 1979, 110, 517-524.	1.8	10
420	Calculations on ionic solvation. III. The electrostatic free energy of solvation of ions, using a multilayered continuum model. Journal of Chemical Physics, 1979, 70, 2491-2496.	3.0	77
421	Free energies of solution of rare gases and alkanes in water and nonaqueous solvents. A quantitative assessment of the hydrophobic effect. Journal of the American Chemical Society, 1979, 101, 5477-5484.	13.7	68
422	Calculations on ionic solvation. Part 1.â€"Free energies of solvation of gaseous univalent ions using a one-layer continuum model. Journal of the Chemical Society Faraday Transactions I, 1978, 74, 1604.	1.0	139
423	Free energies and entropies of transfer of ions from water to methanol, ethanol and 1-propanol. Journal of the Chemical Society Faraday Transactions I, 1978, 74, 2101.	1.0	29
424	Solubility of electrolytes in 1,2-dichloroethane and 1,1-dichloroethane, and derived free energies of transfer. Journal of the Chemical Society Faraday Transactions I, 1976, 72, 955.	1.0	113
425	Heats of solution of 1:1 electrolytes in 1,2- and 1,1-dichloroethane and derived enthalpies and entropies of transfer of electrolytes from water to these solvents. Journal of Solution Chemistry, 1976, 5, 529-542.	1.2	11
426	Substitution at saturated carbon. Part XIX. The effect of alcohols and water on the free energy of solutes and on the free energy of transition states in S N and S E reactions. Journal of the Chemical Society Perkin Transactions II, 1975, , 1856.	0.9	8
427	Application of reaction field theory to the calculation of solvent effects on the t-butyl chloride solvolysis, and on the Me4N+Cl? ion pair. Journal of the Chemical Society Perkin Transactions II, 1974, , 47.	0.9	12
428	Determination of Abraham model solute descriptors for 2-methyl-3-nitrobenzoic acid from measured solubility data in alcohol, alkyl ether, alkyl acetate and 2-alkoxyalcohol mono-solvents. Physics and Chemistry of Liquids, 0, , 1-9.	1.2	9
429	Descriptors for fluorotelomere alcohols. Calculation of physicochemical properties. Physics and Chemistry of Liquids, 0, , 1-6.	1.2	3
430	Heterolytic cleavage of main group metal-carbon bonds. , 0, , 25-149.		6
431	Abraham Model Descriptors for Melatonin; Prediction of Solution, Biological and Thermodynamic Properties. Journal of Solution Chemistry, 0, , 1.	1.2	3