Samuel H Yalkowsky

List of Publications by Year
in descending order

46 papers	1,934 citations	304701 22 h-index	254170 43 g-index
46 all docs	46 docs citations	46 times ranked	1739 citing authors

#	Article	IF	Citations
1	Machine learning transition temperatures from 2D structure. Journal of Molecular Graphics and Modelling, 2021, 105, 107848.	2.4	2
2	Estimation of Melting Points of Organics. Journal of Pharmaceutical Sciences, 2018, 107, 1211-1227.	3.3	36
3	Estimating the Physicochemical Properties of Polysubstituted Aromatic Compounds Using UPPER. Journal of Pharmaceutical Sciences, 2018, 107, 297-306.	3.3	10
4	A rule of unity for human intestinal absorption 3: Application to pharmaceuticals. Biopharmaceutics and Drug Disposition, 2018, 39, 67-74.	1.9	0
5	Imaging of in vitro parenteral drug precipitation. International Journal of Pharmaceutics, 2016, 512, 219-223.	5.2	2
6	Estimating the physicochemical properties of polyhalogenated aromatic and aliphatic compounds using UPPER: Part 2. Aqueous solubility, octanol solubility and octanolâ€“water partition coefficient. Chemosphere, 2015, 119, 1441-1446.	8.2	15
7	Estimating the physicochemical properties of polyhalogenated aromatic and aliphatic compounds using UPPER: Part 1. Boiling point and melting point. Chemosphere, 2015, 119, 1436-1440.	8.2	18
8	The Rule of Unity for Human Intestinal Absorption 2: Application to Pharmaceutical Drugs that are Marketed as Salts. Current Drug Delivery, 2015, 12, 238-243.	1.6	1
9	Unified Physicochemical Property Estimation Relationships (UPPER). Journal of Pharmaceutical Sciences, 2014, 103, 2710-2723.	3.3	15
10	Molecular Geometry and Melting Point Related Properties. Industrial & Engineering Chemistry Research, 2012, 51, 16750-16754.	3.7	17
11	Perspective on Improving Passive Human Intestinal Absorption. Journal of Pharmaceutical Sciences, 2012, 101, 3047-3050.	3.3	15
12	Estimation of the ideal solubility (crystalâ€“liquid fugacity ratio) of organic compounds. Journal of Pharmaceutical Sciences, 2010, 99, 1100-1106.	3.3	32
13	An interesting relationship between drug absorption and melting point. International Journal of Pharmaceutics, 2009, 373, 24-40.	5.2	51
14	Simplified Estimation of the Octanolâ^'Air Partition Coefficient. Industrial & Engineering Chemistry Research, 2007, 46, 2220-2223.	3.7	9
15	Degradation kinetics and mechanism of RH1, a new anti-tumor agent: A technical note. AAPS PharmSciTech, 2007, 8, E113-E117.	3.3	14
16	Estimation of the Normal Boiling Point of Organic Compounds. Industrial & Engineering Chemistry Research, 2006, 45, 2856-2861.	3.7	24
17	Estimating Pure-Component Vapor Pressures of Complex Organic Molecules:Â Part II.. Industrial & Engineering Chemistry Research, 2006, 45, 8744-8747.	3.7	13
18	Estimation of Heat Capacity of Boiling of Organic Compounds. Industrial & Engineering Chemistry Research, 2006, 45, 451-453.	3.7	12

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19	Reformulation of a new vancomycin analog: An example of the importance of buffer species and strength. AAPS PharmSciTech, 2006, 7, E33-E37.	3.3	54
20	Estimation of Total Entropy of Melting of Organic Compounds. Industrial & Engineering Chemistry Research, 2004, 43, 4376-4379.	3.7	87
21	Estimation of Melting Points of Organic Compounds. Industrial & Engineering Chemistry Research, 2004, 43, 7618-7621.	3.7	148
22	Independence of the product of solubility and distribution coefficient of pH. Pharmaceutical Research, 2002, 19, 1862-1866.	3.5	17
23	Prediction of Aqueous Solubility of Organic Compounds by the General Solubility Equation (GSE). Journal of Chemical Information and Computer Sciences, 2001, 41, 1208-1217.	2.8	152
24	Comparison of Two Methods for Predicting Aqueous Solubility. Journal of Chemical Information and Computer Sciences, 2001, 41, 1531-1534.	2.8	36
25	A simple modified absorption potential. Pharmaceutical Research, 2001, 18, 1794-1796.	3.5	16
26	Solubilization of cyclosporin A. AAPS PharmSciTech, 2001, 2, 23-26.	3.3	50
27	The Preparation of Soft Gelatin Capsules for a Radioactive Tracer Study. Pharmaceutical Development and Technology, 1999, 4, 507-513.	2.4	6
28	Predicting the Entropy of Boiling for Organic Compounds. Journal of Chemical Information and Computer Sciences, 1999, 39, 1112-1116.	2.8	47
29	A Modification of Trouton's Rule by Simple Molecular Parameters for Hydrocarbon Compounds. Industrial & Engineering Chemistry Research, 1999, 38, 324-327.	3.7	31
30	Predicting Cosolvency. 1. Solubility Ratio and Solute logKow. Industrial & Engineering Chemistry Research, 1998, 37, 4470-4475.	3.7	106
31	Predicting Cosolvency. 2. Correlation with Solvent Physicochemical Properties. Industrial & Engineering Chemistry Research, 1998, 37, 4476-4480.	3.7	14
32	Estimating Pure Component Vapor Pressures of Complex Organic Molecules. Industrial & Engineering Chemistry Research, 1997, 36, 2494-2499.	3.7	155
33	Modified Trouton's Rule for Predicting the Entropy of Boiling. Industrial & Engineering Chemistry Research, 1996, 35, 1788-1792.	3.7	28
34	Estimation of Entropy of Melting from Molecular Structure:Â A Non-Group Contribution Method. Industrial & Engineering Chemistry Research, 1996, 35, 1483-1486.	3.7	135
35	Acceleration of heat transfer in vial freeze-drying of pharmaceuticals. II. A fluid cushion device. Pharmaceutical Research, 1992, 09, 753-758.	3.5	7
36	Ideal solubility of a solid solute: effect of heat capacity assumptions. Pharmaceutical Research, 1992, 09, 958-959.	3.5	38

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37	Studies in phlebitis. III. Evaluation of diazepam and phenytoin. Pharmaceutical Research, 1991, 08, 1341-1342.	3.5	4
38	Studies in phlebitis: detection and quantitation using a thermographic camera. Pharmaceutical Research, 1991, 08, 76-79.	3.5	10
39	Studies in phlebitis. II. Early detection of amiodarone-induced phlebitis in a rabbit model. Pharmaceutical Research, 1991, 08, 801-803.	3.5	9
40	Melting point, boiling point, and symmetry. Pharmaceutical Research, 1990, 07, 942-947.	3.5	87
41	Particle size and content uniformity. Pharmaceutical Research, 1990, 07, 962-966.	3.5	63
42	Enhanced intestinal absorption of cyclosporine in rats through the reduction of emulsion droplet size. Pharmaceutical Research, 1989, 06, 40-43.	3.5	176
43	Estimation of melting point of flexible molecules: Aliphatic hydrocarbons. Toxicological and Environmental Chemistry, 1988, 17, 19-33.	1.2	17
44	Cosolvency. I. some nonâ€hydrogen bonding solutes with nonâ€hydrogen bonding solvents. Toxicological and Environmental Chemistry, 1987, 15, 237-247.	1.2	2
45	Cosolvency and deviations from log-linear solubilization. Pharmaceutical Research, 1987, 04, 231-236.	3.5	67
46	Cosolvency and cosolvent polarity. Pharmaceutical Research, 1987, 04, 220-230.	3.5	86