Derek P Reynolds

List of Publications by Year
in descending order

34 papers	1,911 citations	566801 15 h-index	433756 31 g-index
34 all docs	34 docs citations	34 times ranked	1944 citing authors

#	Article	IF	Citations
1	An empirical model for solvation based on surface site interaction points. Chemical Science, 2021, 12, 13193-13208.	3.7	3
2	Ionization-specific analysis of human intestinal absorption. Journal of Pharmaceutical Sciences, 2009, 98, 4039-4054.	1.6	31
3	Predicting Penetration Across the Blood-Brain Barrier from Simple Descriptors and Fragmentation Schemes. Journal of Chemical Information and Modeling, 2007, 47, 170-175.	2.5	122
4	In Silico Technology for Identification of Potentially Toxic Compounds in Drug Discovery. Current Computer-Aided Drug Design, 2006, 2, 95-103.	0.8	26
5	High-Throughput Physicochemical and In Vitro ADMET Screening. American Journal of Drug Delivery, 2005, 3, 83-100.	0.6	19
6	High-Throughput Measurement of pKaValues in a Mixed-Buffer Linear pH Gradient System. Analytical Chemistry, 2003, 75, 883-892.	3.2	92
7	Fast Gradient HPLC Method to Determine Compounds Binding to Human Serum Albumin. Relationships with Octanol/Water and Immobilized Artificial Membrane Lipophilicity. Journal of Pharmaceutical Sciences, 2003, 92, 2236-2248.	1.6	270
8	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
9	Application of hydrogen bonding calculations in property based drug design. Drug Discovery Today, 2002, 7, 1056-1063.	3.2	163
10	On the mechanism of human intestinal absorption. European Journal of Medicinal Chemistry, 2002, 37, 595-605.	2.6	71
11	Rapid Method for the Estimation of Octanol / Water Partition Coefficient (Log Poct) from Gradient RP-HPLC Retention and a Hydrogen Bond Acidity Term (Sigma alpha2H). Current Medicinal Chemistry, 2001, 8, 1137-1146.	1.2	148
12	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.	0.5	33
13	Rapidâ€Gradient HPLC Method for Measuring Drug Interactions with Immobilized Artificial Membrane: Comparison with Other Lipophilicity Measures. Journal of Pharmaceutical Sciences, 2000, 89, 1085-1096.	1.6	135
14	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.	0.7	65
15	Rapid Gradient RP-HPLC Method for Lipophilicity Determination:â€‰ A Solvation Equation Based Comparison with Isocratic Methods. Analytical Chemistry, 1998, 70, 4228-4234.	3.2	126
16	Chromatographic Hydrophobicity Index by Fast-Gradient RP-HPLC:Â A High-Throughput Alternative to log P/log D. Analytical Chemistry, 1997, 69, 2022-2029.	3.2	402
17	Enzymatic resolution of bicyclo[4.2.0]oct-2-en-7-ol and the preparation of some polysubstituted bicyclo[3.3.0]octan-2-ones via highly strained tricyclo[4.2.0.01,5]octan-8-ones. Journal of the Chemical Society Chemical Communications, 1988, , 470.	2.0	10
18	Topics in pharmaceutical analysis. Analytical Proceedings, 1987, 24, 72.	0.4	0

#	Article	IF	Citations
19	Enantiocomplementary total asymmetric syntheses of prostaglandin A2. Journal of the Chemical Society Perkin Transactions 1, 1983, , 683.	0.9	14
20	Some stereocontrolled ring-opening reactions of 6-substituted 2,3-epoxybicyclo[3.2.0]heptanes. Journal of the Chemical Society Perkin Transactions 1, 1983, , 675.	0.9	3
21	The structure of glutaconic anhydride and the synthetic utility of its Dielsâ€“Alder adduct with cyclopentadiene. Journal of the Chemical Society Perkin Transactions 1, 1981, , 146-149.	0.9	6
22	The synthesis of the 9,11-hydroxyethano-prostaglandin endoperoxide H2 analogue. Journal of the Chemical Society Perkin Transactions 1, 1981, , 150.	0.9	2
23	Enantio-complementary total asymmetric syntheses of prostaglandin E2 and prostaglandin F2?. Journal of the Chemical Society Perkin Transactions 1, 1981, , 1317.	0.9	12
24	A short and efficient total synthesis of (Â±) prostaglandin D2methyl ester involving a new method for the cleavage of a dimethyl-t-butylsilyl ether. Journal of the Chemical Society Perkin Transactions 1, 1981, , 2055-2058.	0.9	13
25	Total synthesis of prostaglandin-F2Î±, and the 9-O-benzyl derivatives of prostaglandins-F2Î±, -F1Î±, -D2, and -D1. Journal of the Chemical Society Perkin Transactions 1, 1981, , 646-652.	0.9	3
26	Photolytic conversion of some bicyclo[3.2.0]heptanones into 3-hydroxy or 3-methoxy-2-oxabicyclo[3.3.0]octan-2-ones. Journal of the Chemical Society Perkin Transactions 1, 1980, , 1583.	0.9	3
27	Conjugate, homoconjugate, and 1,2-additions of acetylene nucleophiles and their application to prostaglandin synthesis. Journal of the Chemical Society Perkin Transactions 1, 1980, , 2346.	0.9	5
28	Total synthesis of prostaglandin D2 methyl ester. Journal of the Chemical Society Chemical Communications, 1979, , 1150.	2.0	11
29	Regioselective reactions of 2,3-endo-epoxybicyclo[3.2.0]heptanone ethylene acetal involving organometallic reagents. Journal of the Chemical Society Perkin Transactions 1, 1979, , 2954.	0.9	15
30	Novel synthesis of prostaglandin-E2 involving regioselective ring opening of a 2,3-endo-epoxybicyclo[3.2.0]heptan-6-one acetal with a mixed organocuprate reagent. Journal of the Chemical Society Chemical Communications, 1978, , 662.	2.0	9
31	Cyclisation of arylpropiolyl chloro-oxalyl anhydrides: the chemistry of aryl(chloro)methylenetetrahydrofuran-2,4,5-triones and the X-ray crystal structure of a 3,4-methylenedioxybenzylidene representative. Journal of the Chemical Society Perkin Transactions 1, 1977, , 138.	0.9	3
32	Thermal rearrangement of aryl(chloro)methylenetetrahydrofuran-2,4,5-triones: its mechanism and the chemistry of the resulting aroylchloro-maleic anhydrides. Journal of the Chemical Society Perkin Transactions 1, 1977, , 146.	0.9	2
33	An acetylenic cyclisation leading to chloroarylidenetetrahydrofuran-2,4,5-triones. Journal of the Chemical Society Chemical Communications, 1973, , 265a.	2.0	0
34	Thermal rearrangement of chloroarylidenetetrahydrofuran-2,4,5-triones to aroylchloromaleic anhydrides. Journal of the Chemical Society Chemical Communications, 1973, , 265b.	2.0	0