Robert De Levie

List of Publications by Year
in descending order

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46 papers	901 citations	623734 14 h-index	477307 29 g-index
47 all docs	47 docs citations	47 times ranked	544 citing authors

#	Article	IF	Citations
1	A pH centenary. Electrochimica Acta, 2014, 135, 604-639.	5.2	18
2	Nonisothermal Analysis of Solution Kinetics by Spreadsheet Simulation. Journal of Chemical Education, 2012, 89, 79-86.	2.3	7
3	Collinearity in Least-Squares Analysis. Journal of Chemical Education, 2012, 89, 68-78.	2.3	17
4	The Early Development of Electronic pH Meters. Journal of Chemical Education, 2010, 87, 1143-1153.	2.3	5
5	Potentiometric pH Measurements of Acidity Are Approximations, Some More Useful than Others. Journal of Chemical Education, 2010, 87, 1188-1194.	2.3	14
6	Spectrometric mixture analysis: An unexpected wrinkle. Journal of Chemical Sciences, 2009, 121, 617-627.	1.5	2
7	An improved numerical approximation for the first derivative. Journal of Chemical Sciences, 2009, 121, 935-950.	1.5	8
8	Open-Access Journals and JCE: What Do the Authors and Readers Want?. Journal of Chemical Education, 2009, 86, 1031.	2.3	0
9	Visualizing Statistical Concepts. Journal of Chemical Education, 2008, 85, 635.	2.3	0
10	Linear least squares, the spreadsheet, and Filip. American Journal of Physics, 2007, 75, 619-628.	0.7	2
11	How to Compute Labile Metalâ€“Ligand Equilibria. Journal of Chemical Education, 2007, 84, 136.	2.3	4
12	Ionic Activity Effects in Reaction Kinetics: What Happened to the Parsimony Principle?. Journal of Chemical Education, 2005, 82, 885.	2.3	2
13	On Teaching Ionic Activity Effects: What, When, and Where?. Journal of Chemical Education, 2005, 82, 878.	2.3	2
14	On deconvolving spectra. American Journal of Physics, 2004, 72, 910-915.	0.7	4
15	Tidal analysis on a spreadsheet. American Journal of Physics, 2004, 72, 644-651.	0.7	3
16	On some electrochemical oscillators at the mercuryâˆ£water interface. Journal of Electroanalytical Chemistry, 2003, 552, 223-229.	3.8	6
17	Two Linear Correlation Coefficients. Journal of Chemical Education, 2003, 80, 1030.	2.3	6
18	The Henderson-Hasselbalch Equation: Its History and Limitations. Journal of Chemical Education, 2003, 80, 146.	2.3	40

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19	Spreadsheet Simulation of Chemical Kinetics. Critical Reviews in Analytical Chemistry, 2002, 32, 97-107.	3.5	2
20	Nonlinear Fits of Standard Curves: A Simple Route to Uncertainties in Unknowns. Journal of Chemical Education, 2002, 79, 268.	2.3	7
21	The Henderson Approximation and the Mass Action Law of Guldberg and Waage. The Chemical Educator, 2002, 7, 132-135.	0.0	15
22	Linear Graphs for Understanding Acidâ€“Base Titrations. The Chemical Educator, 2001, 6, 210-216.	0.0	3
23	The Formalism of Titration Theory. The Chemical Educator, 2001, 6, 272-276.	0.0	12
24	Curve Fitting with Least Squares. Critical Reviews in Analytical Chemistry, 2000, 30, 59-74.	3.5	24
25	Stochastics, the Basis of Chemical Dynamics. Journal of Chemical Education, 2000, 77, 771.	2.3	8
26	Spreadsheet Calculation of the Propagation of Experimental Imprecision. Journal of Chemical Education, 2000, 77, 534.	2.3	7
27	Estimating Parameter Precision in Nonlinear Least Squares with Excel's Solver. Journal of Chemical Education, 1999, 76, 1594.	2.3	80
28	Redox Buffer Strength. Journal of Chemical Education, 1999, 76, 574.	2.3	15
29	Gouy, Debye-HÃ¼ckel, and Fick: Understanding Differential Equations without Solving Them. Journal of Chemical Education, 1999, 76, 129.	2.3	1
30	A General Simulator for Acid-Base Titrations. Journal of Chemical Education, 1999, 76, 987.	2.3	20
31	Demystifying an Electrochemical Oscillator. Journal of Physical Chemistry A, 1998, 102, 4405-4410.	2.5	13
32	The pH in grapH. Critical Reviews in Analytical Chemistry, 1997, 27, 51-76.	3.5	5
33	General Expressions for Acidâ^'Base Titrations of Arbitrary Mixtures. Analytical Chemistry, 1996, 68, 585-590.	6.5	24
34	On the admittance of the needle peak. Journal of Electroanalytical Chemistry, 1995, 388, 199-205.	3.8	7
35	The hydrophobic electrode. Journal of Electroanalytical Chemistry, 1995, 397, 311-314.	3.8	4
36	Hydrogen bonding and two-dimensional condensation in uracils. Journal of Electroanalytical Chemistry, 1994, 366, 265-270.	3.8	43

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37	Two-dimensional condensation of methylguanidinium nitrate at the mercury | water interface. Journal of Electroanalytical Chemistry, 1994, 379, 215-222.	3.8	5
38	Frequency dispersion associated with a non-homogeneous interfacial capacitance. Journal of Electroanalytical Chemistry, 1992, 322, 63-77.	3.8	16
39	The two-dimensional condensation of 2-methyl-4,6-dihydroxy-pyrimidine at the water/mercury interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 249, 311-319.	0.1	3
40	The dynamic double layer: Two-dimensional condensation at the mercury-water interface. Chemical Reviews, 1988, 88, 599-609.	47.7	187
41	When, why, and how to use weighted least squares. Journal of Chemical Education, 1986, 63, 10.	2.3	69
42	The structure of charged interfaces. Sensors and Actuators, 1981, 1, 97-109.	1.7	2
43	Ionic adsorption and the conductance of ultrathin lipid membranes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1977, 82, 361-368.	0.1	7
44	On the theory of the faradaic admittance with reactant adsorption. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1972, 35, 103-117.	0.1	35
45	Anion Bridging and Anion Electrocatalysis on Mercury. Journal of the Electrochemical Society, 1971, 118, 185C.	2.9	116
46	Mathematical Modeling of Transport of Lipid-Soluble Ions and Ion-Carrier Complexes Through Lipid Bilayer Membranes. Advances in Chemical Physics, 0, , 99-137.	0.3	25