

# 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	The dynamic double layer: Two-dimensional condensation at the mercury-water interface. <i>Chemical Reviews</i> , 1988, 88, 599-609.	47.7	187
2	Anion Bridging and Anion Electrocatalysis on Mercury. <i>Journal of the Electrochemical Society</i> , 1971, 118, 185C.	2.9	116
3	Estimating Parameter Precision in Nonlinear Least Squares with Excel's Solver. <i>Journal of Chemical Education</i> , 1999, 76, 1594.	2.3	80
4	When, why, and how to use weighted least squares. <i>Journal of Chemical Education</i> , 1986, 63, 10.	2.3	69
5	Hydrogen bonding and two-dimensional condensation in uracils. <i>Journal of Electroanalytical Chemistry</i> , 1994, 366, 265-270.	3.8	43
6	The Henderson-Hasselbalch Equation: Its History and Limitations. <i>Journal of Chemical Education</i> , 2003, 80, 146.	2.3	40
7	On the theory of the faradaic admittance with reactant adsorption. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1972, 35, 103-117.	0.1	35
8	Mathematical Modeling of Transport of Lipid-Soluble Ions and Ion-Carrier Complexes Through Lipid Bilayer Membranes. <i>Advances in Chemical Physics</i> , 0, , 99-137.	0.3	25
9	General Expressions for Acid-Base Titrations of Arbitrary Mixtures. <i>Analytical Chemistry</i> , 1996, 68, 585-590.	6.5	24
10	Curve Fitting with Least Squares. <i>Critical Reviews in Analytical Chemistry</i> , 2000, 30, 59-74.	3.5	24
11	A General Simulator for Acid-Base Titrations. <i>Journal of Chemical Education</i> , 1999, 76, 987.	2.3	20
12	A pH centenary. <i>Electrochimica Acta</i> , 2014, 135, 604-639.	5.2	18
13	Collinearity in Least-Squares Analysis. <i>Journal of Chemical Education</i> , 2012, 89, 68-78.	2.3	17
14	Frequency dispersion associated with a non-homogeneous interfacial capacitance. <i>Journal of Electroanalytical Chemistry</i> , 1992, 322, 63-77.	3.8	16
15	Redox Buffer Strength. <i>Journal of Chemical Education</i> , 1999, 76, 574.	2.3	15
16	The Henderson Approximation and the Mass Action Law of Guldberg and Waage. <i>The Chemical Educator</i> , 2002, 7, 132-135.	0.0	15
17	Potentiometric pH Measurements of Acidity Are Approximations, Some More Useful than Others. <i>Journal of Chemical Education</i> , 2010, 87, 1188-1194.	2.3	14
18	Demystifying an Electrochemical Oscillator. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4405-4410.	2.5	13

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19	The Formalism of Titration Theory. <i>The Chemical Educator</i> , 2001, 6, 272-276.	0.0	12
20	Stochastics, the Basis of Chemical Dynamics. <i>Journal of Chemical Education</i> , 2000, 77, 771.	2.3	8
21	An improved numerical approximation for the first derivative. <i>Journal of Chemical Sciences</i> , 2009, 121, 935-950.	1.5	8
22	Ionic adsorption and the conductance of ultrathin lipid membranes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1977, 82, 361-368.	0.1	7
23	On the admittance of the needle peak. <i>Journal of Electroanalytical Chemistry</i> , 1995, 388, 199-205.	3.8	7
24	Spreadsheet Calculation of the Propagation of Experimental Imprecision. <i>Journal of Chemical Education</i> , 2000, 77, 534.	2.3	7
25	Nonlinear Fits of Standard Curves: A Simple Route to Uncertainties in Unknowns. <i>Journal of Chemical Education</i> , 2002, 79, 268.	2.3	7
26	Nonisothermal Analysis of Solution Kinetics by Spreadsheet Simulation. <i>Journal of Chemical Education</i> , 2012, 89, 79-86.	2.3	7
27	On some electrochemical oscillators at the mercury-water interface. <i>Journal of Electroanalytical Chemistry</i> , 2003, 552, 223-229.	3.8	6
28	Two Linear Correlation Coefficients. <i>Journal of Chemical Education</i> , 2003, 80, 1030.	2.3	6
29	Two-dimensional condensation of methylguanidinium nitrate at the mercury   water interface. <i>Journal of Electroanalytical Chemistry</i> , 1994, 379, 215-222.	3.8	5
30	The pH in graph. <i>Critical Reviews in Analytical Chemistry</i> , 1997, 27, 51-76.	3.5	5
31	The Early Development of Electronic pH Meters. <i>Journal of Chemical Education</i> , 2010, 87, 1143-1153.	2.3	5
32	The hydrophobic electrode. <i>Journal of Electroanalytical Chemistry</i> , 1995, 397, 311-314.	3.8	4
33	On deconvolving spectra. <i>American Journal of Physics</i> , 2004, 72, 910-915.	0.7	4
34	How to Compute Labile Metal-Ligand Equilibria. <i>Journal of Chemical Education</i> , 2007, 84, 136.	2.3	4
35	The two-dimensional condensation of 2-methyl-4,6-dihydroxy-pyrimidine at the water/mercury interface. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 249, 311-319.	0.1	3
36	Linear Graphs for Understanding Acid-Base Titrations. <i>The Chemical Educator</i> , 2001, 6, 210-216.	0.0	3

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37	Tidal analysis on a spreadsheet. <i>American Journal of Physics</i> , 2004, 72, 644-651.	0.7	3
38	The structure of charged interfaces. <i>Sensors and Actuators</i> , 1981, 1, 97-109.	1.7	2
39	Spreadsheet Simulation of Chemical Kinetics. <i>Critical Reviews in Analytical Chemistry</i> , 2002, 32, 97-107.	3.5	2
40	Ionic Activity Effects in Reaction Kinetics: What Happened to the Parsimony Principle?. <i>Journal of Chemical Education</i> , 2005, 82, 885.	2.3	2
41	On Teaching Ionic Activity Effects: What, When, and Where?. <i>Journal of Chemical Education</i> , 2005, 82, 878.	2.3	2
42	Linear least squares, the spreadsheet, and Filip. <i>American Journal of Physics</i> , 2007, 75, 619-628.	0.7	2
43	Spectrometric mixture analysis: An unexpected wrinkle. <i>Journal of Chemical Sciences</i> , 2009, 121, 617-627.	1.5	2
44	Gouy, Debye-Hückel, and Fick: Understanding Differential Equations without Solving Them. <i>Journal of Chemical Education</i> , 1999, 76, 129.	2.3	1
45	Visualizing Statistical Concepts. <i>Journal of Chemical Education</i> , 2008, 85, 635.	2.3	0
46	Open-Access Journals and JCE: What Do the Authors and Readers Want?. <i>Journal of Chemical Education</i> , 2009, 86, 1031.	2.3	0