John E Baur

List of Publications by Year in descending order

23 papers	1,474 citations	430874 18 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	1330 citing authors

#	Article	IF	Citations
1	Alternating Current Scanning Electrochemical Microscopy with Simultaneous Fast-Scan Cyclic Voltammetry. Analytical Chemistry, 2012, 84, 9537-9543.	6.5	20
2	Imaging of Metal Ion Dissolution and Electrodeposition by Anodic Stripping Voltammetryâ^'Scanning Electrochemical Microscopy. Analytical Chemistry, 2008, 80, 3612-3621.	6.5	30
3	Diffusion Coefficients. , 2007, , 829-848.		16
4	Feedback Effects in Combined Fast-Scan Cyclic Voltammetry-Scanning Electrochemical Microscopy. Analytical Chemistry, 2007, 79, 4931-4941.	6.5	22
5	Chemical Imaging with Combined Fast-Scan Cyclic Voltammetryâ^'Scanning Electrochemical Microscopy. Analytical Chemistry, 2007, 79, 7053-7061.	6.5	28
6	The Ultrasonic Soda Fountain: A Dramatic Demonstration of Gas Solubility in Aqueous Solutions. Journal of Chemical Education, 2006, 83, 577.	2.3	19
7	Mouse Taste Buds Use Serotonin as a Neurotransmitter. Journal of Neuroscience, 2005, 25, 843-847.	3.6	161
8	Scanning Electrochemical Microscopy of Model Neurons:â€‰ Constant Distance Imaging. Analytical Chemistry, 2005, 77, 1111-1117.	6.5	148
9	Diffusional interactions at dual disk microelectrodes: comparison of experiment with three-dimensional random walk simulations. Journal of Electroanalytical Chemistry, 2004, 572, 29-40.	3.8	31
10	Scanning Electrochemical Microscopy of Model Neurons:Â Imaging and Real-Time Detection of Morphological Changes. Analytical Chemistry, 2003, 75, 563-571.	6.5	104
11	A Positionable Microcell for Electrochemistry and Scanning Electrochemical Microscopy in Subnanoliter Volumes. Analytical Chemistry, 2001, 73, 930-938.	6.5	29
12	Microscopic Measurement of pH with Iridium Oxide Microelectrodes. Analytical Chemistry, 2000, 72, 4921-4927.	6.5	86
13	Diffusional interaction between closely spaced dual microelectrodes. Analytica Chimica Acta, 1999, 397, 123-133.	5.4	13
14	Electrochemical deposition of iridium (IV) oxide from alkaline solutions of iridium(III) oxide. Journal of Electroanalytical Chemistry, 1998, 443, 208-216.	3.8	103
15	Separation of cyclic nitroxide free radicals and their redox forms with dual microelectrochemical detection. Journal of Chromatography A, 1997, 771, 89-98.	3.7	4
16	Fast-Scan Voltammetry of Cyclic Nitroxide Free Radicals. Analytical Chemistry, 1996, 68, 3815-3821.	6.5	42
17	Diffusion coefficients determined with microelectrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 305, 73-81.	0.1	138
18	An Anionâ€Selective Polymer Coating for Carbon Fiber Microelectrodes. Journal of the Electrochemical Society, 1990, 137, 209C-212C.	2.9	5

#	Article	IF	Citations
19	Microelectrodes To Probe Spatially Heterogeneous Concentrations. ACS Symposium Series, 1989, , 114-128.	0.5	3
20	Microcylinder electrodes as sensitive detectors for high-efficiency, high-speed liquid chromatography. Journal of Chromatography A, 1989, 482, 65-73.	3.7	66
21	Radial dispersion from commercial high-performance liquid chromatography columns investigated with microvoltammetric electrodes. Analytical Chemistry, 1988, 60, 2334-2338.	6.5	95
22	Fast-scan voltammetry of biogenic amines. Analytical Chemistry, 1988, 60, 1268-1272.	6.5	282
23	Anodic detection in flow-through cells. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 1081.	1.0	29