

John E Baur

List of Publications by Year in descending order

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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	Fast-scan voltammetry of biogenic amines. <i>Analytical Chemistry</i> , 1988, 60, 1268-1272.	6.5	282
2	Mouse Taste Buds Use Serotonin as a Neurotransmitter. <i>Journal of Neuroscience</i> , 2005, 25, 843-847.	3.6	161
3	Scanning Electrochemical Microscopy of Model Neurons: Constant Distance Imaging. <i>Analytical Chemistry</i> , 2005, 77, 1111-1117.	6.5	148
4	Diffusion coefficients determined with microelectrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991, 305, 73-81.	0.1	138
5	Scanning Electrochemical Microscopy of Model Neurons: Imaging and Real-Time Detection of Morphological Changes. <i>Analytical Chemistry</i> , 2003, 75, 563-571.	6.5	104
6	Electrochemical deposition of iridium (IV) oxide from alkaline solutions of iridium(III) oxide. <i>Journal of Electroanalytical Chemistry</i> , 1998, 443, 208-216.	3.8	103
7	Radial dispersion from commercial high-performance liquid chromatography columns investigated with microvoltammetric electrodes. <i>Analytical Chemistry</i> , 1988, 60, 2334-2338.	6.5	95
8	Microscopic Measurement of pH with Iridium Oxide Microelectrodes. <i>Analytical Chemistry</i> , 2000, 72, 4921-4927.	6.5	86
9	Microcylinder electrodes as sensitive detectors for high-efficiency, high-speed liquid chromatography. <i>Journal of Chromatography A</i> , 1989, 482, 65-73.	3.7	66
10	Fast-Scan Voltammetry of Cyclic Nitroxide Free Radicals. <i>Analytical Chemistry</i> , 1996, 68, 3815-3821.	6.5	42
11	Diffusional interactions at dual disk microelectrodes: comparison of experiment with three-dimensional random walk simulations. <i>Journal of Electroanalytical Chemistry</i> , 2004, 572, 29-40.	3.8	31
12	Imaging of Metal Ion Dissolution and Electrodeposition by Anodic Stripping Voltammetry Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2008, 80, 3612-3621.	6.5	30
13	Anodic detection in flow-through cells. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1986, 82, 1081.	1.0	29
14	A Positionable Microcell for Electrochemistry and Scanning Electrochemical Microscopy in Subnanoliter Volumes. <i>Analytical Chemistry</i> , 2001, 73, 930-938.	6.5	29
15	Chemical Imaging with Combined Fast-Scan Cyclic Voltammetry Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2007, 79, 7053-7061.	6.5	28
16	Feedback Effects in Combined Fast-Scan Cyclic Voltammetry-Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2007, 79, 4931-4941.	6.5	22
17	Alternating Current Scanning Electrochemical Microscopy with Simultaneous Fast-Scan Cyclic Voltammetry. <i>Analytical Chemistry</i> , 2012, 84, 9537-9543.	6.5	20
18	The Ultrasonic Soda Fountain: A Dramatic Demonstration of Gas Solubility in Aqueous Solutions. <i>Journal of Chemical Education</i> , 2006, 83, 577.	2.3	19

#	ARTICLE	IF	CITATIONS
19	Diffusion Coefficients. , 2007, , 829-848.		16
20	Diffusional interaction between closely spaced dual microelectrodes. Analytica Chimica Acta, 1999, 397, 123-133.	5.4	13
21	An Anion-Selective Polymer Coating for Carbon Fiber Microelectrodes. Journal of the Electrochemical Society, 1990, 137, 209C-212C.	2.9	5
22	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
23	Microelectrodes To Probe Spatially Heterogeneous Concentrations. ACS Symposium Series, 1989, , 114-128.	0.5	3