

Sean R German

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

818
citations

15
h-index

16
g-index

16
ext. papers

956
ext. citations

9
avg, IF

4.29
L-index

#	Paper	IF	Citations
16	Resistive-pulse analysis of nanoparticles. <i>Annual Review of Analytical Chemistry</i> , 2014 , 7, 513-35	12.5	115
15	Electrochemical Nucleation of Stable N ₂ Nanobubbles at Pt Nanoelectrodes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12064-9	16.4	87
14	Controlling Nanoparticle Dynamics in Conical Nanopores. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 7033-711	11.1	74
13	Interfacial nanobubbles are leaky: permeability of the gas/water interface. <i>ACS Nano</i> , 2014 , 8, 6193-201	16.7	68
12	Critical Nuclei Size, Rate, and Activation Energy of H ₂ Gas Nucleation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4047-4053	16.4	67
11	Electrochemical Generation of Individual O ₂ Nanobubbles via HO ₂ Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2450-2454	6.4	57
10	Electrochemistry of single nanobubbles. Estimating the critical size of bubble-forming nuclei for gas-evolving electrode reactions. <i>Faraday Discussions</i> , 2016 , 193, 223-240	3.6	53
9	Sizing Individual Au Nanoparticles in Solution with Sub-Nanometer Resolution. <i>ACS Nano</i> , 2015 , 9, 7186-7194	16.7	44
8	High-Speed Multipass Coulter Counter with Ultrahigh Resolution. <i>ACS Nano</i> , 2015 , 9, 12274-82	16.7	43
7	Laplace Pressure of Individual H ₂ Nanobubbles from Pressure-Addition Electrochemistry. <i>Nano Letters</i> , 2016 , 16, 6691-6694	11.5	39
6	Phase State of Interfacial Nanobubbles. <i>Journal of Physical Chemistry C</i> , 2015 , 150615070529004	3.8	35
5	Electrochemical Measurement of Hydrogen and Nitrogen Nanobubble Lifetimes at Pt Nanoelectrodes. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H3160-H3166	3.9	35
4	The Nucleation Rate of Single O ₂ Nanobubbles at Pt Nanoelectrodes. <i>Langmuir</i> , 2018 , 34, 7309-7318	4	35
3	The Dynamic Steady State of an Electrochemically Generated Nanobubble. <i>Langmuir</i> , 2017 , 33, 1845-1853	3	32
2	Nanopipettes as a tool for single nanoparticle electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 4-9	7.2	22
1	Multipass Resistive-Pulse Observations of the Rotational Tumbling of Individual Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20781-20788	3.8	12