

Sean R German

List of Publications by Year in descending order

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16
papers

1,082
citations

516681

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h-index

940516

16
g-index

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docs citations

16
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistive-Pulse Analysis of Nanoparticles. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 513-535.	5.4	132
2	Critical Nuclei Size, Rate, and Activation Energy of H ₂ Gas Nucleation. <i>Journal of the American Chemical Society</i> , 2018, 140, 4047-4053.	13.7	122
3	Electrochemical Nucleation of Stable N ₂ Nanobubbles at Pt Nanoelectrodes. <i>Journal of the American Chemical Society</i> , 2015, 137, 12064-12069.	13.7	113
4	Controlling Nanoparticle Dynamics in Conical Nanopores. <i>Journal of Physical Chemistry C</i> , 2013, 117, 703-711.	3.1	86
5	Interfacial Nanobubbles Are Leaky: Permeability of the Gas/Water Interface. <i>ACS Nano</i> , 2014, 8, 6193-6201.	14.6	83
6	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.	3.2	73
7	Electrochemical Generation of Individual O ₂ Nanobubbles via H ₂ O ₂ Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2450-2454.	4.6	73
8	High-Speed Multipass Coulter Counter with Ultrahigh Resolution. <i>ACS Nano</i> , 2015, 9, 12274-12282.	14.6	59
9	Laplace Pressure of Individual H ₂ Nanobubbles from Pressure-Addition Electrochemistry. <i>Nano Letters</i> , 2016, 16, 6691-6694.	9.1	59
10	The Nucleation Rate of Single O ₂ Nanobubbles at Pt Nanoelectrodes. <i>Langmuir</i> , 2018, 34, 7309-7318.	3.5	54
11	Sizing Individual Au Nanoparticles in Solution with Sub-Nanometer Resolution. <i>ACS Nano</i> , 2015, 9, 7186-7194.	14.6	53
12	Electrochemical Measurement of Hydrogen and Nitrogen Nanobubble Lifetimes at Pt Nanoelectrodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, H3160-H3166.	2.9	46
13	The Dynamic Steady State of an Electrochemically Generated Nanobubble. <i>Langmuir</i> , 2017, 33, 1845-1853.	3.5	42
14	Phase State of Interfacial Nanobubbles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14262-14266.	3.1	37
15	Nanopipettes as a tool for single nanoparticle electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2017, 6, 4-9.	4.8	30
16	Multipass Resistive-Pulse Observations of the Rotational Tumbling of Individual Nanorods. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20781-20788.	3.1	20