

Paul A Covert

List of Publications by Year in descending order

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14
papers

716
citations

758635

12
h-index

1058022

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g-index

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all docs

14
docs citations

14
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Salt on the Water Structure at a Charged Solid Surface: Differentiating Second- and Third-order Nonlinear Contributions. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1056-1061.	2.1	197
2	Biomolecular Structure at Solid-Liquid Interfaces As Revealed by Nonlinear Optical Spectroscopy. <i>Chemical Reviews</i> , 2014, 114, 8388-8415.	23.0	102
3	Throwing Salt into the Mix: Altering Interfacial Water Structure by Electrolyte Addition. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 143-148.	2.1	59
4	Determination of the Transmission Efficiency of an Aircraft Aerosol Inlet. <i>Aerosol Science and Technology</i> , 2005, 39, 966-971.	1.5	57
5	Geochemical Insight from Nonlinear Optical Studies of Mineral-Liquid Water Interfaces. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 233-257.	4.8	51
6	Simultaneous measurement of magnitude and phase in interferometric sum-frequency vibrational spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 137, 014201.	1.2	38
7	Molecular-Level Surface Structure from Nonlinear Vibrational Spectroscopy Combined with Simulations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5617-5636.	1.2	37
8	Assessing the Gold Standard: The Complex Vibrational Nonlinear Susceptibility of Metals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 271-276.	1.5	36
9	Absolute Orientation of Ester Side Chains on the PMMA Surface. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15570-15574.	1.5	35
10	Surface-Bulk Vibrational Correlation Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 4682-4691.	3.2	32
11	Phase measurement in nondegenerate three-wave mixing spectroscopy. <i>Journal of Chemical Physics</i> , 2011, 134, 044712.	1.2	29
12	Direct Measurement of Photoacoustic Signal Sensitivity to Aerosol Particle Size. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3398-3403.	2.1	22
13	An Instrument for Measuring Size-Resolved Aerosol Hygroscopicity at both Sub- and Super-Micron Sizes. <i>Aerosol Science and Technology</i> , 2007, 41, 873-883.	1.5	13
14	Rapid and Sensitive Polarization Measurement for Characterizing Protein Adsorption at the Solid-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1796-1803.	1.5	8