

Dominique Verreault

List of Publications by Year in descending order

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31
papers

857
citations

430874

18
h-index

477307

29
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all docs

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31
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonfouling Poly(ethylene oxide) Layers End-Tethered to Polydopamine. <i>Langmuir</i> , 2012, 28, 14273-14283.	3.5	85
2	From Conventional to Phase-Sensitive Vibrational Sum Frequency Generation Spectroscopy: Probing Water Organization at Aqueous Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3012-3028.	4.6	67
3	Surface Potential of DPPC Monolayers on Concentrated Aqueous Salt Solutions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2043-2052.	2.6	57
4	Cation Effects on Interfacial Water Organization of Aqueous Chloride Solutions. I. Monovalent Cations: Li ⁺ , Na ⁺ , K ⁺ , and NH ₄ ⁺ . <i>Journal of Physical Chemistry B</i> , 2014, 118, 8433-8440.	2.6	52
5	The Role of Sulfur in the Atmospheric Corrosion of Silver. <i>Journal of the Electrochemical Society</i> , 2015, 162, C630-C637.	2.9	43
6	Relative Order of Sulfuric Acid, Bisulfate, Hydronium, and Cations at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 13920-13926.	13.7	42
7	Effect of pH and Salt on Surface p <i>K_a</i> of Phosphatidic Acid Monolayers. <i>Langmuir</i> , 2018, 34, 530-539.	3.5	41
8	Impact of Salt Purity on Interfacial Water Organization Revealed by Conventional and Heterodyne-Detected Vibrational Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19577-19585.	3.1	38
9	Surface organization of a DPPC monolayer on concentrated SrCl ₂ and ZnCl ₂ solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32345-32357.	2.8	38
10	Surface Electric Fields of Aqueous Solutions of NH ₄ NO ₃ , Mg(NO ₃) ₂ , NaNO ₃ , and LiNO ₃ : Implications for Atmospheric Aerosol Chemistry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24941-24949.	3.1	37
11	Sample cells for probing solid/liquid interfaces with broadband sum-frequency-generation spectroscopy. <i>Review of Scientific Instruments</i> , 2010, 81, 063111.	1.3	32
12	Solvation of Calcium-Phosphate Headgroup Complexes at the DPPC/Aqueous Interface. <i>ChemPhysChem</i> , 2015, 16, 3910-3915.	2.1	27
13	Solvent-Shared Ion Pairs at the Air/Solution Interface of Magnesium Chloride and Sulfate Solutions Revealed by Sum Frequency Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6450-6459.	2.5	26
14	Hyper-Rayleigh Scattering as a New Chiroptical Method: Uncovering the Nonlinear Optical Activity of Aromatic Oligoamide Foldamers. <i>Journal of the American Chemical Society</i> , 2020, 142, 257-263.	13.7	26
15	Bridging the gap between microscopic and macroscopic views of air/aqueous salt interfaces. <i>Chemical Physics Letters</i> , 2013, 586, 1-9.	2.6	24
16	Ultraviolet Irradiation Suppresses Adhesion on TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2009, 113, 8273-8277.	3.1	23
17	Salty Glycerol versus Salty Water Surface Organization: Bromide and Iodide Surface Propensities. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6346-6353.	2.5	22
18	Surface Prevalence of Perchlorate Anions at the Air/Aqueous Interface. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4231-4236.	4.6	20

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19	In Vitro Characterization of Surface Properties Through Living Cells. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2339-2342.	4.6	18
20	Influence of Salt Purity on Na ⁺ and Palmitic Acid Interactions. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13412-13418.	2.5	18
21	Raman Investigation of Anodic Undermining of Coated Steel During Environmental Exposure. <i>Corrosion</i> , 2014, 70, 1219-1229.	1.1	18
22	Reduced Condensing and Ordering Effects by 7-Ketocholesterol and 5 β ,6 β -Epoxycholesterol on DPPC Monolayers. <i>Langmuir</i> , 2015, 31, 9859-9869.	3.5	17
23	Ice-binding site of surface-bound type III antifreeze protein partially decoupled from water. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26926-26933.	2.8	17
24	Sulfate adsorption at the buried hematite/solution interface investigated using total internal reflection (TIR)-Raman spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2013, 400, 140-146.	9.4	15
25	Synthesis and characterization of novel, soluble sulfur-containing copolyimides with high refractive indices. <i>Journal of Materials Science</i> , 2011, 46, 4872-4879.	3.7	14
26	Extracting Infrared Spectra of Protein Secondary Structures Using a Library of Protein Spectra and the Ramachandran Plot. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13079-13092.	2.6	12
27	Investigation of ZnSe stability and dissolution behavior in As-S-Se chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 555, 120619.	3.1	12
28	Effects of laser excitation wavelength and optical mode on Raman spectra of human fresh colon, pancreas, and prostate tissues. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 773-780.	2.5	9
29	Enhancement of ZnSe stability during optical composite processing via atomic layer deposition. <i>Journal of Non-Crystalline Solids</i> , 2022, 576, 121259.	3.1	5
30	Laser Effects on Volta Potential Transients Recorded by a Kelvin Probe. <i>ECS Electrochemistry Letters</i> , 2013, 2, H19-H21.	1.9	1
31	All-Optical Measurements of the Verdet Constant in Achiral and Chiral Liquids: Toward All-Optical Magnetic Spectroscopies. <i>ACS Photonics</i> , 2022, 9, 2510-2519.	6.6	1