

Nancy E Levinger

List of Publications by Year in descending order

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47
papers

3,818
citations

172457

29
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

2358
citing authors

#	ARTICLE	IF	CITATIONS
1	How to Characterize Amorphous Shapes: The Tale of a Reverse Micelle. <i>Journal of Physical Chemistry B</i> , 2022, 126, 953-963.	2.6	4
2	Tribute to Professor Kankan Bhattacharyya. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3461-3463.	2.6	2
3	Urea Disrupts the AOT Reverse Micelle Structure at Low Temperatures. <i>Langmuir</i> , 2022, 38, 7413-7421.	3.5	4
4	Non-Uniform Distribution of Cryoprotecting Agents in Rice Culture Cells Measured by CARS Microscopy. <i>Plants</i> , 2021, 10, 589.	3.5	4
5	Nanoconfinement Raises the Energy Barrier to Hydrogen Atom Exchange between Water and Glucose. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3364-3373.	2.6	7
6	Coordination Chemistry of a Controlled Burst of Zn ²⁺ in Bulk Aqueous and Nanosized Water Droplets with a Zincon Chelator. <i>Inorganic Chemistry</i> , 2020, 59, 184-188.	4.0	2
7	Tribute to Veronica Vaida. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1157-1158.	2.5	0
8	Sweet Confinement: Glucose and Carbohydrate Osmolytes in Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9555-9566.	2.6	8
9	ConfChem Conference on Mathematics in Undergraduate Chemistry Instruction: Applied Mathematics for Chemistry Majors. <i>Journal of Chemical Education</i> , 2018, 95, 1438-1439.	2.3	21
10	Nanoconfinement's Dramatic Impact on Proton Exchange between Glucose and Water. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4597-4601.	4.6	14
11	Size and shape trump charge in interactions of oxovanadates with self-assembled interfaces: application of continuous shape measure analysis to the decavanadate anion. <i>New Journal of Chemistry</i> , 2016, 40, 962-975.	2.8	18
12	How Did We Get Here? Teaching Chemistry with a Historical Perspective. <i>Journal of Chemical Education</i> , 2015, 92, 1773-1776.	2.3	13
13	Correlating Proton Transfer Dynamics To Probe Location in Confined Environments. <i>Journal of the American Chemical Society</i> , 2012, 134, 11904-11907.	13.7	53
14	The Conundrum of pH in Water Nanodroplets: Sensing pH in Reverse Micelle Water Pools. <i>Accounts of Chemical Research</i> , 2012, 45, 1637-1645.	15.6	77
15	Nonaqueous Polar Solvents in Reverse Micelle Systems. <i>Chemical Reviews</i> , 2012, 112, 4569-4602.	47.7	228
16	Acidification of Reverse Micellar Nanodroplets by Atmospheric Pressure CO ₂ . <i>Journal of the American Chemical Society</i> , 2011, 133, 7205-7214.	13.7	22
17	Layered Structure of Room-Temperature Ionic Liquids in Microemulsions by Multinuclear NMR Spectroscopic Studies. <i>Chemistry - A European Journal</i> , 2011, 17, 6837-6846.	3.3	38
18	Analysis of Water in Confined Geometries and at Interfaces. <i>Annual Review of Analytical Chemistry</i> , 2010, 3, 89-107.	5.4	240

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19	Ultrafast Dynamics in Reverse Micelles. Annual Review of Physical Chemistry, 2009, 60, 385-406.	10.8	131
20	Penetration of Negatively Charged Lipid Interfaces by the Doubly Deprotonated Dipicolinate. Journal of Organic Chemistry, 2008, 73, 9633-9640.	3.2	32
21	¹ H NMR Studies of Aerosol-OT Reverse Micelles with Alkali and Magnesium Counterions: Preparation and Analysis of MAOTs. Langmuir, 2008, 24, 6027-6035.	3.5	47
22	Do Probe Molecules Influence Water in Confinement?. Journal of Physical Chemistry B, 2008, 112, 10158-10164.	2.6	35
23	A Directed Framework for Integrating Ethics into Chemistry Curricula and Programs Using Real and Fictional Case Studies. Journal of Chemical Education, 2008, 85, 796.	2.3	18
24	Simple Oxovanadates as Multiparameter Probes of Reverse Micelles. Langmuir, 2007, 23, 6510-6518.	3.5	31
25	Confinement or the Nature of the Interface? Dynamics of Nanoscopic Water. Journal of the American Chemical Society, 2007, 129, 14311-14318.	13.7	243
26	Molecular Probe Location in Reverse Micelles Determined by NMR Dipolar Interactions. Journal of the American Chemical Society, 2006, 128, 4437-4445.	13.7	96
27	When Is Water Not Water? Exploring Water Confined in Large Reverse Micelles Using a Highly Charged Inorganic Molecular Probe. Journal of the American Chemical Society, 2006, 128, 12758-12765.	13.7	181
28	Testing the Core/Shell Model of Nanoconfined Water in Reverse Micelles Using Linear and Nonlinear IR Spectroscopy. Journal of Physical Chemistry A, 2006, 110, 4985-4999.	2.5	321
29	What Can You Learn from a Molecular Probe? New Insights on the Behavior of C343 in Homogeneous Solutions and AOT Reverse Micelles. Journal of Physical Chemistry B, 2006, 110, 13050-13061.	2.6	114
30	Recovery of time evolving fluorescence spectra via sum-frequency cross-correlation frequency resolved optical gating. Applied Physics Letters, 2005, 87, 231102.	3.3	1
31	Employing Popular Children's Literature To Teach Elementary School Chemistry: An Engaging Outreach Program. Journal of Chemical Education, 2005, 82, 1489.	2.3	9
32	Interaction of Dipicolinatodioxovanadium(V) with Polyatomic Cations and Surfaces in Reverse Micelles. Langmuir, 2005, 21, 6250-6258.	3.5	30
33	The Effect of the Counterion on Water Mobility in Reverse Micelles Studied by Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2005, 109, 16891-16900.	2.6	100
34	Cosurfactant Impact on Probe Molecule in Reverse Micelles. Journal of Physical Chemistry B, 2004, 108, 10777-10784.	2.6	46
35	Dynamics of Polar Solvation in Quaternary Microemulsions. Langmuir, 2003, 19, 7264-7270.	3.5	67
36	Dynamics of polar solvation in acetonitrile-benzene binary mixtures: Role of dipolar and quadrupolar contributions to solvation. Journal of Chemical Physics, 2002, 116, 3370-3377.	3.0	67

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37	CHEMISTRY: Water in Confinement. <i>Science</i> , 2002, 298, 1722-1723.	12.6	307
38	Reverse micelles solubilizing DMSO and DMSO/water mixtures. <i>Chemical Physics Letters</i> , 2000, 317, 624-630.	2.6	24
39	Influence of Morphology on Polar Solvation Dynamics in Lecithin Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11075-11080.	2.6	68
40	Polar Solvation Dynamics in Nonionic Reverse Micelles and Model Polymer Solutions. <i>Langmuir</i> , 2000, 16, 10123-10130.	3.5	100
41	Polar Solvation Dynamics of H ₂ O and D ₂ O at the Surface of Zirconia Nanoparticles. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7846-7852.	2.6	64
42	Water Immobilization at Surfactant Interfaces in Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2705-2714.	2.6	287
43	Influence of restricted environment and ionic interactions on water solvation dynamics. <i>Journal of Chemical Physics</i> , 1998, 109, 9995-10003.	3.0	112
44	Formamide in Reverse Micelles: A Restricted Environment Effects on Molecular Motion. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7931-7938.	2.6	138
45	Dynamics of Polar Solvation in Lecithin/Water/Cyclohexane Reverse Micelles. <i>Journal of the American Chemical Society</i> , 1998, 120, 4151-4160.	13.7	217
46	White light continuum as a tunable radiation source for second-harmonic generation experiments. <i>Review of Scientific Instruments</i> , 1997, 68, 3312-3316.	1.3	2
47	Novel Reverse Micelles Partitioning Nonaqueous Polar Solvents in a Hydrocarbon Continuous Phase. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8292-8297.	2.6	170