Nancy E Levinger

List of Publications by Year
in descending order

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47	3,818	172457	233421
papers	citations	29 h-index	45 g-index

50	50	50	2358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	CHEMISTRY: Water in Confinement. Science, 2002, 298, 1722-1723.	12.6	307
3	Water Immobilization at Surfactant Interfaces in Reverse Micelles. Journal of Physical Chemistry B, 1998, 102, 2705-2714.	2.6	287
4	Confinement or the Nature of the Interface? Dynamics of Nanoscopic Water. Journal of the American Chemical Society, 2007, 129, 14311-14318.	13.7	243
5	Analysis of Water in Confined Geometries and at Interfaces. Annual Review of Analytical Chemistry, 2010, 3, 89-107.	5.4	240
6	Nonaqueous Polar Solvents in Reverse Micelle Systems. Chemical Reviews, 2012, 112, 4569-4602.	47.7	228
7	Dynamics of Polar Solvation in Lecithin/Water/Cyclohexane Reverse Micelles. Journal of the American Chemical Society, 1998, 120, 4151-4160.	13.7	217
8	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
9	Novel Reverse Micelles Partitioning Nonaqueous Polar Solvents in a Hydrocarbon Continuous Phase. Journal of Physical Chemistry B, 1997, 101, 8292-8297.	2.6	170
10	Formamide in Reverse Micelles:Â Restricted Environment Effects on Molecular Motion. Journal of Physical Chemistry B, 1998, 102, 7931-7938.	2.6	138
11	Ultrafast Dynamics in Reverse Micelles. Annual Review of Physical Chemistry, 2009, 60, 385-406.	10.8	131
12	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
13	Influence of restricted environment and ionic interactions on water solvation dynamics. Journal of Chemical Physics, 1998, 109, 9995-10003.	3.0	112
14	Polar Solvation Dynamics in Nonionic Reverse Micelles and Model Polymer Solutions. Langmuir, 2000, 16, 10123-10130.	3.5	100
15	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
16	Molecular Probe Location in Reverse Micelles Determined by NMR Dipolar Interactions. Journal of the American Chemical Society, 2006, 128, 4437-4445.	13.7	96
17	The Conundrum of pH in Water Nanodroplets: Sensing pH in Reverse Micelle Water Pools. Accounts of Chemical Research, 2012, 45, 1637-1645.	15.6	77
18	Influence of Morphology on Polar Solvation Dynamics in Lecithin Reverse Micelles. Journal of Physical Chemistry B, 2000, 104, 11075-11080.	2.6	68

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19	Dynamics of polar solvation in acetonitrileâ€“benzene binary mixtures: Role of dipolar and quadrupolar contributions to solvation. Journal of Chemical Physics, 2002, 116, 3370-3377.	3.0	67
20	Dynamics of Polar Solvation in Quaternary Microemulsions. Langmuir, 2003, 19, 7264-7270.	3.5	67
21	Polar Solvation Dynamics of H2O and D2O at the Surface of Zirconia Nanoparticles. Journal of Physical Chemistry B, 1999, 103, 7846-7852.	2.6	64
22	Correlating Proton Transfer Dynamics To Probe Location in Confined Environments. Journal of the American Chemical Society, 2012, 134, 11904-11907.	13.7	53
23	¹H 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
24	Cosurfactant Impact on Probe Molecule in Reverse Micelles. Journal of Physical Chemistry B, 2004, 108, 10777-10784.	2.6	46
25	Layered Structure of Roomâ€Temperature Ionic Liquids in Microemulsions by Multinuclear NMR Spectroscopic Studies. Chemistry - A European Journal, 2011, 17, 6837-6846.	3.3	38
26	Do Probe Molecules Influence Water in Confinement?. Journal of Physical Chemistry B, 2008, 112, 10158-10164.	2.6	35
27	Penetration of Negatively Charged Lipid Interfaces by the Doubly Deprotonated Dipicolinate. Journal of Organic Chemistry, 2008, 73, 9633-9640.	3.2	32
28	Simple Oxovanadates as Multiparameter Probes of Reverse Micelles. Langmuir, 2007, 23, 6510-6518.	3.5	31
29	Interaction of Dipicolinatodioxovanadium(V) with Polyatomic Cations and Surfaces in Reverse Micelles. Langmuir, 2005, 21, 6250-6258.	3.5	30
30	Reverse micelles solubilizing DMSO and DMSO/water mixtures. Chemical Physics Letters, 2000, 317, 624-630.	2.6	24
31	Acidification of Reverse Micellar Nanodroplets by Atmospheric Pressure CO₂. Journal of the American Chemical Society, 2011, 133, 7205-7214.	13.7	22
32	ConfChem Conference on Mathematics in Undergraduate Chemistry Instruction: Applied Mathematics for Chemistry Majors. Journal of Chemical Education, 2018, 95, 1438-1439.	2.3	21
33	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
34	Size and shape trump charge in interactions of oxovanadates with self-assembled interfaces: application of continuous shape measure analysis to the decavanadate anion. New Journal of Chemistry, 2016, 40, 962-975.	2.8	18
35	Nanoconfinementâ€™s Dramatic Impact on Proton Exchange between Glucose and Water. Journal of Physical Chemistry Letters, 2016, 7, 4597-4601.	4.6	14
36	How Did We Get Here? Teaching Chemistry with a Historical Perspective. Journal of Chemical Education, 2015, 92, 1773-1776.	2.3	13

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37	Employing Popular Children's Literature To Teach Elementary School Chemistry: An Engaging Outreach Program. Journal of Chemical Education, 2005, 82, 1489.	2.3	9
38	Sweet Confinement: Glucose and Carbohydrate Osmolytes in Reverse Micelles. Journal of Physical Chemistry B, 2018, 122, 9555-9566.	2.6	8
39	Nanoconfinement Raises the Energy Barrier to Hydrogen Atom Exchange between Water and Glucose. Journal of Physical Chemistry B, 2021, 125, 3364-3373.	2.6	7
40	Non-Uniform Distribution of Cryoprotecting Agents in Rice Culture Cells Measured by CARS Microscopy. Plants, 2021, 10, 589.	3.5	4
41	How to Characterize Amorphous Shapes: The Tale of a Reverse Micelle. Journal of Physical Chemistry B, 2022, 126, 953-963.	2.6	4
42	Urea Disrupts the AOT Reverse Micelle Structure at Low Temperatures. Langmuir, 2022, 38, 7413-7421.	3.5	4
43	White light continuum as a tunable radiation source for second-harmonic generation experiments. Review of Scientific Instruments, 1997, 68, 3312-3316.	1.3	2
44	Coordination Chemistry of a Controlled Burst of Zn²⁺ in Bulk Aqueous and Nanosized Water Droplets with a Zincon Chelator. Inorganic Chemistry, 2020, 59, 184-188.	4.0	2
45	Tribute to Professor Kankan Bhattacharyya. Journal of Physical Chemistry B, 2022, 126, 3461-3463.	2.6	2
46	Recovery of time evolving fluorescence spectra via sum-frequency cross-correlation frequency resolved optical gating. Applied Physics Letters, 2005, 87, 231102.	3.3	1
47	Tribute to Veronica Vaida. Journal of Physical Chemistry A, 2018, 122, 1157-1158.	2.5	0