Sobhan Sen

List of Publications by Year
in descending order

54	1,868	218677	265206
papers	citations	26 h-index	42 g-index

58	58	58	1676
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Picture of the Effect of Cosolvent Crowding on Ligand Binding and Dispersed Solvation Dynamics in G-Quadruplex DNA. Journal of Physical Chemistry B, 2022, 126, 1668-1681.	2.6	6
2	Graphene Quantum Dot-Based Optical Sensing Platform for Aflatoxin B1 Detection via the Resonance Energy Transfer Phenomenon. ACS Applied Bio Materials, 2022, 5, 1179-1186.	4.6	24
3	DNA damage, cell cycle perturbation and cell death by naphthalene diimide derivative in gastric cancer cells. Chemico-Biological Interactions, 2022, 358, 109881.	4.0	4
4	Cdr1p highlights the role of the non-hydrolytic ATP-binding site in driving drug translocation in asymmetric ABC pumps. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183131.	2.6	12
5	Structure of an Unfolding Intermediate of an RRM Domain of ETR-3 Reveals Its Native-like Fold. Biophysical Journal, 2020, 118, 352-365.	0.5	1
6	Origin of Slow Solvation Dynamics in DNA: DAPI in Minor Groove of Dickerson-Drew DNA. Journal of Physical Chemistry B, 2019, 123, 10202-10216.	2.6	15
7	Role of Ser65, His148 and Thr203 in the Organic Solventâ€dependent Spectral Shift in Green Fluorescent Protein. Photochemistry and Photobiology, 2019, 95, 543-555.	2.5	9
8	Ras hyperactivation versus overexpression: Lessons from Ras dynamics in Candida albicans. Scientific Reports, 2018, 8, 5248.	3.3	5
9	Dynamics of Water and Ions Near DNA: Perspective from Time-Resolved Fluorescence Stokes Shift Experiments and Molecular Dynamics Simulation. Reviews in Fluorescence, 2018, , 231-279.	0.5	2
10	Dynamics of water and ions around DNA: What is so special about them?. Journal of Biosciences, 2018, 43, 499-518.	1.1	14
11	Dynamics of water and ions around DNA: What is so special about them?. Journal of Biosciences, 2018, 43, 499-518.	1.1	4
12	Multidrug ABC transporter Cdr1 of Candida albicans harbors specific and overlapping binding sites for human steroid hormones transport. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1778-1789.	2.6	9
13	Effect of TÂ·T Mismatch on DNA Dynamics Probed by Minor Groove Binders: Comparison of Dynamic Stokes Shifts of Hoechst and DAPI. Journal of Physical Chemistry B, 2017, 121, 10735-10748.	2.6	12
14	Probe-location dependent resonance energy transfer at lipid/water interfaces: comparison between the gel- and fluid-phase of lipid bilayer. Physical Chemistry Chemical Physics, 2017, 19, 25870-25885.	2.8	9
15	New insight into probe-location dependent polarity and hydration at lipid/water interfaces: comparison between gel- and fluid-phases of lipid bilayers. Physical Chemistry Chemical Physics, 2016, 18, 24185-24197.	2.8	14
16	Dispersed dynamics of solvation in G-quadruplex DNA: comparison of dynamic Stokes shifts of probes in parallel and antiparallel quadruplex structures. Methods and Applications in Fluorescence, 2016, 4, 034009.	2.3	8
17	Measuring Size, Size Distribution, and Polydispersity of Water-in-Oil Microemulsion Droplets using Fluorescence Correlation Spectroscopy: Comparison to Dynamic Light Scattering. Journal of Physical Chemistry B, 2016, 120, 1008-1020.	2.6	57
18	Newly identified motifs in Candida albicans Cdr1 protein nucleotide binding domains are pleiotropic drug resistance subfamily-specific and functionally asymmetric. Scientific Reports, 2016, 6, 27132.	3.3	6

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19	Sequence-Dependent Solvation Dynamics of Minor-Groove Bound Ligand Inside Duplex-DNA. Journal of Physical Chemistry B, 2015, 119, 11019-11029.	2.6	23
20	Power-Law Solvation Dynamics in G-Quadruplex DNA: Role of Hydration Dynamics on Ligand Solvation inside DNA. Journal of Physical Chemistry Letters, 2015, 6, 1754-1760.	4.6	26
21	Potent Antimalarial Activity of Acriflavine In Vitro and In Vivo. ACS Chemical Biology, 2014, 9, 2366-2373.	3.4	44
22	Rationally Designed Transmembrane Peptide Mimics of the Multidrug Transporter Protein Cdr1 Act as Antagonists to Selectively Block Drug Efflux and Chemosensitize Azole-resistant Clinical Isolates of Candida albicans. Journal of Biological Chemistry, 2013, 288, 16775-16787.	3.4	31
23	Insight into Pleiotropic Drug Resistance ATP-binding Cassette Pump Drug Transport through Mutagenesis of Cdr1p Transmembrane Domains*. Journal of Biological Chemistry, 2013, 288, 24480-24493.	3.4	42
24	Understanding Growth Kinetics of Nanorods in Microemulsion: A Combined Fluorescence Correlation Spectroscopy, Dynamic Light Scattering, and Electron Microscopy Study. Journal of the American Chemical Society, 2012, 134, 19677-19684.	13.7	54
25	Probe Position-Dependent Counterion Dynamics in DNA: Comparison of Time-Resolved Stokes Shift of Groove-Bound to Base-Stacked Probes in the Presence of Different Monovalent Counterions. Journal of Physical Chemistry Letters, 2012, 3, 2621-2626.	4.6	23
26	Understanding Ligand Interaction with Different Structures of G-Quadruplex DNA: Evidence of Kinetically Controlled Ligand Binding and Binding-Mode Assisted Quadruplex Structure Alteration. Analytical Chemistry, 2012, 84, 7218-7226.	6.5	40
27	Fluorescence Correlation Spectroscopy: An Efficient Tool for Measuring Size, Size-Distribution and Polydispersity of Microemulsion Droplets in Solution. Analytical Chemistry, 2011, 83, 7736-7744.	6.5	113
28	Probe Position Dependence of DNA Dynamics: Comparison of the Time-Resolved Stokes Shift of Groove-Bound to Base-Stacked Probes. Journal of the American Chemical Society, 2010, 132, 9277-9279.	13.7	52
29	â€œHalf-hydrationâ€•at the air/water interface revealed by heterodyne-detected electronic sum frequency generation spectroscopy, polarization second harmonic generation, and molecular dynamics simulation. Journal of Chemical Physics, 2010, 132, 144701.	3.0	23
30	Different Molecules Experience Different Polarities at the Air/Water Interface. Angewandte Chemie - International Edition, 2009, 48, 6439-6442.	13.8	33
31	Dynamics of Water and Ions Near DNA: Comparison of Simulation to Time-Resolved Stokes-Shift Experiments. Journal of the American Chemical Society, 2009, 131, 1724-1735.	13.7	86
32	Role of Monovalent Counterions in the Ultrafast Dynamics of DNA. Journal of Physical Chemistry B, 2006, 110, 13248-13255.	2.6	30
33	Ultrafast Dynamics in DNA:â€‰ â€œFrayingâ€•at the End of the Helix. Journal of the American Chemical Society, 2006, 128, 6885-6892.	13.7	130
34	Effect of Protein Binding on Ultrafast DNA Dynamics: Characterization of a DNA:APE1 Complex. Biophysical Journal, 2005, 89, 4129-4138.	0.5	32
35	Solvation Dynamics in Dimyristoyl-Phosphatidylcholine Entrapped Inside a Solâ^'Gel Matrix. Journal of Physical Chemistry B, 2004, 108, 2309-2312.	2.6	18
36	Solvation dynamics in a proteinâ€“surfactant aggregate. TNS in HSAâ€“SDS. Chemical Physics Letters, 2003, 379, 471-478.	2.6	20

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37	Solvation dynamics in a proteinâ€“surfactant complex. Chemical Physics Letters, 2003, 377, 229-235.	2.6	46
38	Solvation dynamics of 4-aminophthalimide in a polymer (PVP)â€“surfactant (SDS) aggregate. Physical Chemistry Chemical Physics, 2003, 5, 4875-4879.	2.8	10
39	Solvation Dynamics of a Probe Covalently Bound to a Protein and in an AOT Microemulsion:Â 4-(N-Bromoacetylamino)-Phthalimide. Journal of Physical Chemistry B, 2002, 106, 10741-10747.	2.6	63
40	Excited State Proton Transfer of 1-Naphthol in a Hydroxypropylcellulose/Sodium Dodecyl Sulfate System. Langmuir, 2002, 18, 7867-7871.	3.5	25
41	Solvation Dynamics in the Water Pool of Aerosol Sodium Dioctylsulfosuccinate Microemulsion:Â Effect of Polymer. Journal of Physical Chemistry A, 2002, 106, 6017-6023.	2.5	34
42	Solvation Dynamics in Bile Salt Aggregates. Journal of Physical Chemistry B, 2002, 106, 7745-7750.	2.6	49
43	Solvation Dynamics in Aqueous Polymer Solution and in Polymerâ^'Surfactant Aggregate. Journal of Physical Chemistry B, 2002, 106, 3763-3769.	2.6	76
44	Isomerization and fluorescence depolarization of merocyanine 540 in polyacrylic acid. Effect ofpH. Journal of Chemical Sciences, 2002, 114, 501-511.	1.5	2
45	Photoisomerization of merocyanine 540 in polymer-surfactant aggregate. Journal of Chemical Sciences, 2002, 114, 83-91.	1.5	2
46	Solvation dynamics of TNS in polymer (PEG)â€“surfactant (SDS) aggregate. Chemical Physics Letters, 2002, 359, 15-21.	2.6	24
47	Femtosecond study of solvation dynamics of DCM in micelles. Chemical Physics Letters, 2002, 359, 77-82.	2.6	59
48	Fluorescence Anisotropy Decay in Polymerâ^'Surfactant Aggregates. Journal of Physical Chemistry A, 2001, 105, 7495-7500.	2.5	79
49	Slow Solvation Dynamics of Dimethylformamide in a Nanocavity. 4-Aminophthalimide in Î²-Cyclodextrin. Journal of Physical Chemistry A, 2001, 105, 10635-10639.	2.5	56
50	Solvation Dynamics of DCM in Human Serum Albumin. Journal of Physical Chemistry B, 2001, 105, 1438-1441.	2.6	103
51	Solvation dynamics of DCM in micelles. Chemical Physics Letters, 2000, 327, 91-96.	2.6	74
52	Solvation Dynamics of DCM in Dipalmitoyl Phosphatidylcholine Lipid. Tetrahedron, 2000, 56, 6999-7002.	1.9	20
53	Solvation Dynamics of Coumarin 480 in Solâ^'Gel Matrix. Journal of Physical Chemistry B, 2000, 104, 2613-2616.	2.6	68
54	Excited State Proton Transfer as a Probe for Polymerâ^'Surfactant Interaction. Journal of Physical Chemistry B, 2000, 104, 6128-6132.	2.6	47