

John T King

List of Publications by Year in descending order

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19
papers

962
citations

623734

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h-index

839539

18
g-index

21
all docs

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docs citations

21
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Specific Coupling of Hydration Water and Protein Flexibility Studied in Solution with Ultrafast 2D-IR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2012, 134, 18705-18712.	13.7	152
2	Crowding Induced Collective Hydration of Biological Macromolecules over Extended Distances. <i>Journal of the American Chemical Society</i> , 2014, 136, 188-194.	13.7	122
3	Liquid-Liquid Phase Separation of Histone Proteins in Cells: Role in Chromatin Organization. <i>Biophysical Journal</i> , 2020, 118, 753-764.	0.5	105
4	Dynamics of Rhenium Photocatalysts Revealed through Ultrafast Multidimensional Spectroscopy. <i>Accounts of Chemical Research</i> , 2015, 48, 1123-1130.	15.6	79
5	Site-Specific Hydration Dynamics of Globular Proteins and the Role of Constrained Water in Solvent Exchange with Amphiphilic Cosolvents. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5604-5611.	2.6	75
6	DNA Local-Flexibility-Dependent Assembly of Phase-Separated Liquid Droplets. <i>Biophysical Journal</i> , 2018, 115, 1840-1847.	0.5	73
7	Solvent-Dependent Spectral Diffusion in a Hydrogen Bonded ν -Vibrational Aggregate. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10590-10604.	2.5	67
8	Water-Assisted Vibrational Relaxation of a Metal Carbonyl Complex Studied with Ultrafast 2D-IR. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3754-3759.	2.6	66
9	Solvent-hindered intramolecular vibrational redistribution. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5579.	2.8	43
10	Phase separation of DNA: From past to present. <i>Biophysical Journal</i> , 2021, 120, 1139-1149.	0.5	36
11	Histidine Orientation Modulates the Structure and Dynamics of a <i>de Novo</i> Metalloenzyme Active Site. <i>Journal of the American Chemical Society</i> , 2015, 137, 10164-10176.	13.7	35
12	Non-Fickian Molecular Transport in Protein-DNA Droplets. <i>ACS Macro Letters</i> , 2018, 7, 1220-1225.	4.8	28
13	Ultrafast τ_{\pm} -Like Relaxation of a Fragile Glass-Forming Liquid Measured Using Two-Dimensional Infrared Spectroscopy. <i>Physical Review Letters</i> , 2012, 108, 157401.	7.8	25
14	Role of Chain Flexibility in Asymmetric Polyelectrolyte Complexation in Salt Solutions. <i>Macromolecules</i> , 2020, 53, 1258-1269.	4.8	25
15	Ultrafast 2DIR probe of a host-guest inclusion complex: Structural and dynamical constraints of nanoconfinement. <i>Journal of Chemical Physics</i> , 2013, 138, 144501.	3.0	13
16	Depletion layer dynamics of polyelectrolyte solutions under Poiseuille flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16256-16261.	7.1	7
17	Modern optical microscopy methods to study biomolecular condensates. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 52, 101421.	7.4	6
18	Fast and robust two-dimensional inverse Laplace transformation of single-molecule fluorescence lifetime data. <i>Biophysical Journal</i> , 2021, 120, 4590-4599.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Proteinâ€Bath Coupling of an Internal Reaction Coordinate at Intermediate Time Scales. Journal of Physical Chemistry Letters, 2021, 12, 10942-10946.	4.6	1