

# Nilimesh Das

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

313  
citations

759055

12  
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887953

17  
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23  
all docs

23  
docs citations

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times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-Dependent Macromolecular Crowding on the Thermodynamics and Microsecond Conformational Dynamics of Protein Unfolding Revealed at the Single-Molecule Level. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5858-5871.	1.2	37
2	Structural, Functional, and Dynamical Responses of a Protein in a Restricted Environment Imposed by Macromolecular Crowding. <i>Biochemistry</i> , 2018, 57, 6078-6089.	1.2	35
3	Size-dependent macromolecular crowding effect on the thermodynamics of protein unfolding revealed at the single molecular level. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 843-854.	3.6	28
4	Correlating Bromelain's activity with its structure and active-site dynamics and the medium's physical properties in a hydrated deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9337-9346.	1.3	24
5	Excitation wavelength dependent UV fluorescence of dispersed modified graphene oxide: Effect of pH. <i>Journal of Luminescence</i> , 2015, 168, 269-275.	1.5	19
6	$\hat{\nu}^2$ -carboline-based turn-on fluorescence chemosensor for quantitative detection of fluoride at PPB level. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117099.	2.0	18
7	Elucidation of $\hat{\nu}^2$ s dynamics of domain-III of human serum albumin during the chemical and thermal unfolding: A fluorescence correlation spectroscopic investigation. <i>Biophysical Chemistry</i> , 2017, 221, 17-25.	1.5	15
8	Region-Specific Double Denaturation of Human Serum Albumin: Combined Effects of Temperature and GnHCl on Structural and Dynamical Responses. <i>ACS Omega</i> , 2018, 3, 10406-10417.	1.6	15
9	Dynamic heterogeneity and viscosity decoupling: origin and analytical prediction. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15749-15757.	1.3	15
10	Monomerization and aggregation of $\hat{\nu}^2$ -lactoglobulin under adverse condition: A fluorescence correlation spectroscopic investigation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 316-326.	1.1	15
11	Macromolecular crowding: how shape and interaction affect the structure, function, conformational dynamics and relative domain movement of a multi-domain protein. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14242-14256.	1.3	15
12	Partial Viscosity Decoupling of Solute Solvation, Rotation, and Translation Dynamics in Lauric Acid/Menthol Deep Eutectic Solvent: Modulation of Dynamic Heterogeneity with Length Scale. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6875-6884.	1.2	14
13	Sucrose-Induced Stabilization of Domain-II and Overall Human Serum Albumin against Chemical and Thermal Denaturation. <i>ACS Omega</i> , 2018, 3, 16633-16642.	1.6	12
14	Highly Selective and Sensitive (PPB Level) Quinolin $\hat{\nu}^2$ -Based Colorimetric Chemosensor for Cu(II). <i>ChemistrySelect</i> , 2020, 5, 9435-9442.	0.7	9
15	Rational design, preparation and characterization of a ternary non-ionic room-temperature deep eutectic solvent derived from urea, acetamide, and sorbitol. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	8
16	Reversible Ultra $\hat{\nu}^2$ Slow Crystal Growth of Mixed Lead Bismuth Perovskite Nanocrystals: The Presence of Dynamic Capping. <i>Chemistry - A European Journal</i> , 2020, 26, 1506-1510.	1.7	6
17	Tracking Wormlike Micelle Formation in Solution: Unique Insight through Fluorescence Correlation Spectroscopic Study. <i>Langmuir</i> , 2022, 38, 2486-2494.	1.6	6
18	Spectroscopic Insight on Ethanol-Induced Aggregation of Papain. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2280-2290.	1.2	5

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19	Does Microsecond Active-Site Dynamics Primarily control Proteolytic Activity of Bromelain? Clues from Single Molecular Level Study with a Denaturant, a Stabilizer and a Macromolecular Crowder. BBA Advances, 2022, 2, 100041.	0.7	5
20	Single Molecular Level Probing of Structure and Dynamics of Papain Under Denaturation. Protein and Peptide Letters, 2018, 24, 1073-1081.	0.4	4
21	Fluorescence correlation spectroscopy as a tool to investigate the directionality of proteolysis. International Journal of Biological Macromolecules, 2020, 164, 2524-2534.	3.6	3
22	Domain-Specific Stabilization of Structural and Dynamic Responses of Human Serum Albumin by Sucrose. Protein and Peptide Letters, 2019, 26, 287-300.	0.4	3
23	A Novel Quinoline Derivative for Selective and Sensitive Visual Detection of PPB Level Cu <sup>2+</sup> in an Aqueous Solution. Current Analytical Chemistry, 2022, 18, 196-203.	0.6	2