

# Padmaja Mishra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7251040/publications.pdf>

Version: 2024-02-01

38  
papers

572  
citations

567144

15  
h-index

642610

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kineto-Mechanistic Investigation of Effect of Macromolecular Crowding on the Breathing of DNA Bubble. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1375-1387.	1.2	1
2	Insight into the dynamics of RecG on replication fork DNA using smFRET microspectroscopy. <i>Biophysical Journal</i> , 2022, 121, 282a.	0.2	0
3	Vital insights into prokaryotic genome compaction by nucleoid-associated protein (NAP) and illustration of DNA flexure angles at single-molecule resolution. <i>International Journal of Biological Macromolecules</i> , 2021, 171, 100-111.	3.6	5
4	Decoding the Structural Dynamics and Conformational Alternations of DNA Secondary Structures by Single-Molecule FRET Microspectroscopy. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 725541.	1.6	1
5	Spectroscopic and computational insight into the conformational dynamics of hemoglobin in the presence of vitamin B12. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 306-315.	3.6	12
6	Direct observation of effect of crowding induced macromolecular hydration on molecular breathing in the stem of Fork-DNA by single-molecule FRET microspectroscopy. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 559-569.	3.6	4
7	Impact of Mutation on the Structural Stability and the Conformational Landscape of Inhibitor-Resistant TEM $\beta$ -Lactamase: A High-Performance Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11188-11196.	1.2	3
8	Conformational dynamics of myoglobin in the presence of vitamin B12: A spectroscopic and in silico investigation. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 564-573.	3.6	9
9	Direct observation of adsorption and desorption of ds-DNA on graphene oxide and graphene oxide-gold nanoparticle hybrid material: A kineto-mechanistic investigation. <i>Applied Surface Science</i> , 2021, 577, 151696.	3.1	3
10	Spectroscopic insight into the interaction of dopamine with spherical gold nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111770.	1.7	16
11	Biophysical study on complex formation between $\beta$ -Lactoglobulin and vitamin B12. <i>Food Chemistry</i> , 2020, 312, 126064.	4.2	25
12	Effect of micro-environment on protein conformation studied by fluorescence-based techniques. <i>Journal of Molecular Liquids</i> , 2020, 320, 114489.	2.3	10
13	Real-Time Monitoring of the Multistate Conformational Dynamics of Polypurine Reverse Hoogsteen Hairpin To Capture Their Triplex-Affinity for Gene Silencing by smFRET Microspectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8230-8239.	1.2	4
14	A spectroscopic and computational intervention of interaction of lysozyme with 6-mercaptopurine. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2565-2577.	1.9	21
15	Light induced damage and repair in nucleic acids and proteins: general discussion. <i>Faraday Discussions</i> , 2018, 207, 389-408.	1.6	0
16	Photocrosslinking between nucleic acids and proteins: general discussion. <i>Faraday Discussions</i> , 2018, 207, 283-306.	1.6	5
17	Bionanophotonics: general discussion. <i>Faraday Discussions</i> , 2018, 207, 491-512.	1.6	0
18	Direct observation of the external force mediated conformational dynamics of an IHF bound Holliday junction. <i>Faraday Discussions</i> , 2018, 207, 251-265.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Monitoring the binding of serotonin to silver nanoparticles: A fluorescence spectroscopic investigation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 219-225.	2.0	13
20	Trapping the Intermediate Conformations during Flexible DNA Cyclisation by SMFRET Measurements. <i>Biophysical Journal</i> , 2018, 114, 598a.	0.2	0
21	Direct observation of breathing dynamics at the mismatch induced DNA bubble with nanometre accuracy: a smFRET study. <i>Nanoscale</i> , 2017, 9, 5835-5842.	2.8	18
22	Conformational Changes Followed by Complete Unzipping of DNA Double Helix by Charge-Tuned Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4213-4220.	1.2	15
23	Single-Molecule FRET Studies of the Hybridization Mechanism during Noncovalent Adsorption and Desorption of DNA on Graphene Oxide. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11628-11636.	1.2	28
24	Direct observation of spatial configuration and structural stability of locked Y-shaped DNA structure. <i>RSC Advances</i> , 2016, 6, 103270-103274.	1.7	13
25	Stepwise loading of yeast clamp revealed by ensemble and single-molecule studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19736-19741.	3.3	23
26	Codon-Dependent tRNA Fluctuations Monitored with Fluorescence Polarization. <i>Biophysical Journal</i> , 2010, 99, 3849-3858.	0.2	6
27	Design and synthesis of a novel anthracene-based fluorescent probe through the application of the Suzuki-Miyaura cross-coupling reaction. <i>Amino Acids</i> , 2008, 35, 169-173.	1.2	6
28	Self-Assembly of Yttrium-Containing Lacunary Polyoxotungstate Macroanions in Solution with Controllable Supramolecular Structure Size by pH or Solvent Content. <i>Langmuir</i> , 2008, 24, 9308-9313.	1.6	21
29	Membranes Based on Keplerate-Type Polyoxometalates: Slow, Passive Cation Transportation and Creation of Water Microenvironment. <i>Journal of the American Chemical Society</i> , 2008, 130, 1548-1549.	6.6	75
30	Chlorin p6 as a fluorescent probe for the investigation of surfactant-cyclodextrin interactions. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 741-747.	1.6	14
31	Anomalous Excited-State Dynamics of Lucifer Yellow CH in Solvents of High Polarity: Evidence for an Intramolecular Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5585-5591.	1.1	24
32	Difference in the effects of surfactants and albumin on the extent of deaggregation of purpurin 18, a model of hydrophobic photosensitizer. <i>Biophysical Chemistry</i> , 2006, 121, 224-233.	1.5	11
33	Effect of Increased Hydrophobicity on the Binding of Two Model Amphiphilic Chlorin Drugs for Photodynamic Therapy with Blood Plasma and Its Components. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21238-21244.	1.2	26
34	The effect of ionic strength and surfactant on the dynamic quenching of 6-methoxyquinoline by halides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 170, 21-26.	2.0	33
35	Photoinduced electron transfer from chlorin p6 to methyl viologen in aqueous micelles. <i>Chemical Physics Letters</i> , 2005, 407, 119-123.	1.2	31
36	The Interplay of Hydrophobic and Electrostatic Effects in the Surfactant-Induced Aggregation/Deaggregation of Chlorin p6. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24225-24230.	1.2	33

#	ARTICLE	IF	CITATIONS
37	Fluorescence monitoring of pH dependent complexation of chlorin p6 with surfactants. Chemical Physics Letters, 2004, 386, 158-161.	1.2	29
38	Interaction of Lucifer yellow with cetyltrimethyl ammonium bromide micelles and the consequent suppression of its non-radiative processes. Chemical Physics Letters, 2004, 400, 128-132.	1.2	27