Saurabh Awasthi, Group Leader

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Formation of Single Nanopores with Diameters of 20–50 nm in Silicon Nitride Membranes Using Laser-Assisted Controlled Breakdown. ACS Nano, 2018, 12, 11458-11470.	14.6	59
2	Sinigrin, a major glucosinolate from cruciferous vegetables restrains non-enzymatic glycation of albumin. International Journal of Biological Macromolecules, 2016, 83, 410-415.	7.5	42
3	Vanillin restrains non-enzymatic glycation and aggregation of albumin by chemical chaperone like function. International Journal of Biological Macromolecules, 2016, 87, 1-6.	7.5	41
4	Advanced Glycation End Products Modulate Structure and Drug Binding Properties of Albumin. Molecular Pharmaceutics, 2015, 12, 3312-3322.	4.6	39
5	Polymer Coatings to Minimize Protein Adsorption in Solid‣tate Nanopores. Small Methods, 2020, 4, 2000177.	8.6	25
6	Silybin, a flavonolignan from milk thistle seeds, restrains the early and advanced glycation end product modification of albumin. RSC Advances, 2015, 5, 87660-87666.	3.6	24
7	Advanced Glycation-Modified Human Serum Albumin Evokes Alterations in Membrane and Eryptosis in Erythrocytes. Applied Biochemistry and Biotechnology, 2015, 177, 1013-1024.	2.9	22
8	Non-enzymatic glycation mediated structure–function changes in proteins: case of serum albumin. RSC Advances, 2016, 6, 90739-90753.	3.6	20
9	Advanced glycation end products induce differential structural modifications and fibrillation of albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 163, 60-67.	3.9	17
10	Carbonyl scavenging and chemical chaperon like function of essential amino acids attenuates non-enzymatic glycation of albumin. RSC Advances, 2016, 6, 24557-24564.	3.6	14
11	Elucidating the molecular interaction of sinigrin, a potent anticancer glucosinolate from cruciferous vegetables with bovine serum albumin: effect of methylglyoxal modification. Journal of Biomolecular Structure and Dynamics, 2016, 34, 2224-2232.	3.5	12
12	Nordihydroguaiaretic acid prevents glycation induced structural alterations and aggregation of albumin. International Journal of Biological Macromolecules, 2019, 122, 479-484.	7.5	11
13	Troxerutin imparts preservative effects on albumin by preventing Maillard reaction-mediated early and advanced glycation modification. Journal of Biomolecular Structure and Dynamics, 2017, 35, 2681-2687.	3.5	10
14	Insilico studies of daidzein and genistein with human estrogen receptor α. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, S1747-S1753.	1.2	6
15	Crystal structure of Alanine opper(II) complex to understand the mechanism of salt induced prebiotic oligomerization of amino acids. Crystal Research and Technology, 2015, 50, 304-311.	1.3	6
16	Comparative Studies of Plumeria Species for their Phytochemical and Antifungal Properties Against Citrus sinensis Pathogens. International Journal of Agricultural Research, 2012, 7, 324-331.	0.1	5
17	Protein Trapping in a Nanopore Well. Biophysical Journal, 2020, 118, 157a.	0.5	1
18	Sortase A-mediated site-specific labeling of Tau protein. Biophysical Journal, 2022, 121, 353a.	0.5	0

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19	Interrogating conformational dynamics of single-proteins in a plasmonic hotspot. Biophysical Journal, 2022, 121, 182a.	0.5	0
20	Singleâ€particle characterization of tau oligomers in solution. Alzheimer's and Dementia, 2021, 17, .	0.8	0