

Saurabh Awasthi, Group Leader

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

354
citations

840585

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docs citations

21
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477
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Single Nanopores with Diameters of 20–50 nm in Silicon Nitride Membranes Using Laser-Assisted Controlled Breakdown. <i>ACS Nano</i> , 2018, 12, 11458-11470.	7.3	59
2	Sinigrin, a major glucosinolate from cruciferous vegetables restrains non-enzymatic glycation of albumin. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 410-415.	3.6	42
3	Vanillin restrains non-enzymatic glycation and aggregation of albumin by chemical chaperone like function. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 1-6.	3.6	41
4	Advanced Glycation End Products Modulate Structure and Drug Binding Properties of Albumin. <i>Molecular Pharmaceutics</i> , 2015, 12, 3312-3322.	2.3	39
5	Polymer Coatings to Minimize Protein Adsorption in Solid-State Nanopores. <i>Small Methods</i> , 2020, 4, 2000177.	4.6	25
6	Silybin, a flavonolignan from milk thistle seeds, restrains the early and advanced glycation end product modification of albumin. <i>RSC Advances</i> , 2015, 5, 87660-87666.	1.7	24
7	Advanced Glycation-Modified Human Serum Albumin Evokes Alterations in Membrane and Eryptosis in Erythrocytes. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1013-1024.	1.4	22
8	Non-enzymatic glycation mediated structure–function changes in proteins: case of serum albumin. <i>RSC Advances</i> , 2016, 6, 90739-90753.	1.7	20
9	Advanced glycation end products induce differential structural modifications and fibrillation of albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 163, 60-67.	2.0	17
10	Carbonyl scavenging and chemical chaperon like function of essential amino acids attenuates non-enzymatic glycation of albumin. <i>RSC Advances</i> , 2016, 6, 24557-24564.	1.7	14
11	Elucidating the molecular interaction of sinigrin, a potent anticancer glucosinolate from cruciferous vegetables with bovine serum albumin: effect of methylglyoxal modification. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 2224-2232.	2.0	12
12	Nordihydroguaiaretic acid prevents glycation induced structural alterations and aggregation of albumin. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 479-484.	3.6	11
13	Troloxerutin imparts preservative effects on albumin by preventing Maillard reaction-mediated early and advanced glycation modification. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2681-2687.	2.0	10
14	In silico studies of daidzein and genistein with human estrogen receptor α . <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S1747-S1753.	0.5	6
15	Crystal structure of Alanine–Copper(II) complex to understand the mechanism of salt induced prebiotic oligomerization of amino acids. <i>Crystal Research and Technology</i> , 2015, 50, 304-311.	0.6	6
16	Comparative Studies of Plumeria Species for their Phytochemical and Antifungal Properties Against <i>Citrus sinensis</i> Pathogens. <i>International Journal of Agricultural Research</i> , 2012, 7, 324-331.	0.0	5
17	Protein Trapping in a Nanopore Well. <i>Biophysical Journal</i> , 2020, 118, 157a.	0.2	1
18	Sortase A-mediated site-specific labeling of Tau protein. <i>Biophysical Journal</i> , 2022, 121, 353a.	0.2	0

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19	Interrogating conformational dynamics of single-proteins in a plasmonic hotspot. Biophysical Journal, 2022, 121, 182a.	0.2	0
20	Single-particle characterization of tau oligomers in solution. Alzheimer's and Dementia, 2021, 17, .	0.4	0