

Zarina Arif

List of Publications by Year in descending order

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35
papers

362
citations

932766

10
h-index

839053

18
g-index

35
all docs

35
docs citations

35
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and immunological characterization of Amadori-rich human serum albumin: Role in diabetes mellitus. Archives of Biochemistry and Biophysics, 2012, 522, 17-25.	1.4	46
2	Fine characterization of glucosylated human IgG by biochemical and biophysical methods. International Journal of Biological Macromolecules, 2014, 69, 408-415.	3.6	39
3	Anti-arthritis and cardioprotective action of hesperidin and daidzein in collagen-induced rheumatoid arthritis. Molecular and Cellular Biochemistry, 2016, 423, 115-127.	1.4	34
4	Studies on peroxynitrite-modified H1 histone: Implications in systemic lupus erythematosus. Biochimie, 2014, 97, 104-113.	1.3	24
5	Hyperglycemia induced structural and functional changes in human serum albumin of diabetic patients: a physico-chemical study. Molecular BioSystems, 2016, 12, 2481-2489.	2.9	23
6	Antigenicity of Poly(dA-dT)-Poly(dA-dT) Photocrosslinked with 8-Methoxypsoralen. Archives of Biochemistry and Biophysics, 1996, 329, 191-198.	1.4	22
7	Glycated-H2A histone is better bound by serum anti-DNA autoantibodies in SLE patients: Glycated-histones as likely trigger for SLE?. Autoimmunity, 2015, 48, 19-28.	1.2	18
8	Role of Carbamylated Biomolecules in Human Diseases. IUBMB Life, 2018, 70, 267-275.	1.5	16
9	Methylglyoxal produces more changes in biochemical and biophysical properties of human IgG under high glucose compared to normal glucose level. PLoS ONE, 2018, 13, e0191014.	1.1	12
10	Fructose-human serum albumin interaction undergoes numerous biophysical and biochemical changes before forming AGEs and aggregates. International Journal of Biological Macromolecules, 2018, 109, 896-906.	3.6	11
11	A study on correlation between oxidative stress parameters and inflammatory markers in type 2 diabetic patients with kidney dysfunction in north Indian population. Journal of Cellular Biochemistry, 2019, 120, 4892-4902.	1.2	11
12	Nitroxidized-Albumin Advanced Glycation End Product and Rheumatoid Arthritis. Archives of Rheumatology, 2019, 34, 461-475.	0.3	10
13	Peroxynitrite-induced structural perturbations in human IgG: A physicochemical study. Archives of Biochemistry and Biophysics, 2016, 603, 72-80.	1.4	9
14	SLE autoantibodies are well recognized by peroxynitrite-modified-HSA: Its implications in the pathogenesis of SLE. International Journal of Biological Macromolecules, 2018, 106, 1240-1249.	3.6	9
15	A clinical correlation of anti-DNA-AGE autoantibodies in type 2 diabetes mellitus with disease duration. Cellular Immunology, 2015, 293, 74-79.	1.4	8
16	Elucidating the impact of glucosylation on human serum albumin: A multi-technique approach. International Journal of Biological Macromolecules, 2016, 92, 881-891.	3.6	7
17	Hyperglycemia induced reactive species trigger structural changes in human serum albumin of type 1 diabetic subjects. International Journal of Biological Macromolecules, 2018, 107, 2141-2149.	3.6	7
18	Peroxynitrite-modified H3 Histone is Highly Immunogenic and Binds Circulating SLE Autoantibodies Better than Native DNA. American Journal of Biomedical Sciences, 0, , 69-79.	0.2	6

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19	Effect of peroxyxynitrite on human serum albumin: a multi technique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2066-2076.	2.0	6
20	Non-enzymatic glucosylation induced neo-epitopes on human serum albumin: A concentration based study. <i>PLoS ONE</i> , 2017, 12, e0172074.	1.1	6
21	Attenuation of hyperglycemia and amadori products by aminoguanidine in alloxan-diabetic rabbits occurs via enhancement in antioxidant defenses and control of stress. <i>PLoS ONE</i> , 2022, 17, e0262233.	1.1	6
22	Therapeutic role of hesperidin in collagen-induced rheumatoid arthritis through antiglycation and antioxidant activities. <i>Cell Biochemistry and Function</i> , 2022, 40, 473-480.	1.4	6
23	Carbamylation of human serum albumin generates high-molecular weight aggregates: fine characterization by multi-spectroscopic methods and electron microscopy. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2380-2388.	3.6	5
24	Autoantibodies-Like Antigen Binding Characteristics of Induced Antibodies Against Polylysine-Polyglutamate Complex. <i>Autoimmunity</i> , 1994, 19, 7-14.	1.2	4
25	Binding of circulating autoantibodies in breast cancer to native and peroxyxynitrite-modified RNA. <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 40-46.	1.3	3
26	Physicochemical characterization of carbamylated human serum albumin: an in vitro study. <i>RSC Advances</i> , 2019, 9, 36508-36516.	1.7	3
27	Nucleic acid-8-methoxypsoralen crosslinks bind monoclonal anti-Z-DNA antibody. <i>IUBMB Life</i> , 1996, 40, 871-879.	1.5	2
28	Characterization of methylglyoxal-modified human IgG by physicochemical methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3172-3183.	2.0	2
29	Inhibitory effect of silibinin on Amadori-albumin in diabetes mellitus: A multi-spectroscopic and biochemical approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 217-222.	2.0	2
30	Studies on the synergistic action of methylglyoxal and peroxyxynitrite on structure and function of human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 67-80.	2.0	2
31	Fructosylation induced structural changes in mammalian DNA examined by biophysical techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 171-176.	2.0	1
32	A study on hepatopathic, dyslipidemic and immunogenic properties of fructosylated-HSA-AGE and binding of autoantibodies in sera of obese and overweight patients with fructosylated-HSA-AGE. <i>PLoS ONE</i> , 2019, 14, e0216736.	1.1	1
33	Methylglyoxal-induces multiple stable changes in human serum albumin before forming nephrotoxic advanced glycation end-products: Injury demonstration in human embryonic kidney cells. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 252-263.	3.6	1
34	Nitroxidized-HSA induced oxidative damage in human erythrocytes: an ex vivo approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 918-927.	2.0	0
35	Impact of endogenous stress on albumin structure in systemic lupus erythematosus (SLE) patients. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 891-900.	3.6	0