

Khursheed Alam

List of Publications by Year in descending order

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86
papers

1,712
citations

257450

24
h-index

345221

36
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docs citations

86
times ranked

1721
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#	ARTICLE	IF	CITATIONS
1	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.	3.5	2
2	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.	2.5	6
3	Therapeutic role of hesperidin in collagen-induced rheumatoid arthritis through antiglycation and antioxidant activities. <i>Cell Biochemistry and Function</i> , 2022, 40, 473-480.	2.9	6
4	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.	7.5	1
5	Characterization of human serum albumin modified by hair dye component, 4-chloro-1,2-phenylenediamine: Role in protein aggregation, redox biology and cytotoxicity. <i>Journal of Molecular Liquids</i> , 2021, 331, 115731.	4.9	11
6	Nitroxidized-HSA induced oxidative damage in human erythrocytes: an ex vivo approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 918-927.	3.5	0
7	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.	7.5	5
8	Glycation, nitro-oxidation and glyco-nitro-oxidation of human serum albumin: A physico-chemical study. <i>Journal of Molecular Structure</i> , 2020, 1210, 127991.	3.6	7
9	Impact of endogenous stress on albumin structure in systemic lupus erythematosus (SLE) patients. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 891-900.	7.5	0
10	Peroxyxynitrite-Mediated Structural Changes in Histone H2A: Biochemical and Biophysical Analysis. <i>Protein and Peptide Letters</i> , 2020, 27, 989-998.	0.9	2
11	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.	2.5	1
12	Nitroxidized-Albumin Advanced Glycation End Product and Rheumatoid Arthritis. <i>Archives of Rheumatology</i> , 2019, 34, 461-475.	0.9	10
13	Physicochemical characterization of carbamylated human serum albumin: an in vitro study. <i>RSC Advances</i> , 2019, 9, 36508-36516.	3.6	3
14	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.	3.9	2
15	A study on correlation between oxidative stress parameters and inflammatory markers in type 2 diabetic patients with kidney dysfunction in north Indian population. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4892-4902.	2.6	11
16	Biophysical and biochemical studies on glycooxidatively modified human low density lipoprotein. <i>Archives of Biochemistry and Biophysics</i> , 2018, 645, 87-99.	3.0	25
17	Glycated albumin and the risk of chronic kidney disease in subjects with Type 2 Diabetes: A study in North Indian Population. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2018, 12, 381-385.	3.6	11
18	Role of Carbamylated Biomolecules in Human Diseases. <i>IUBMB Life</i> , 2018, 70, 267-275.	3.4	16

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19	Characterization of methylglyoxal-modified human IgG by physicochemical methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3172-3183.	3.5	2
20	Fructose-human serum albumin interaction undergoes numerous biophysical and biochemical changes before forming AGEs and aggregates. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 896-906.	7.5	11
21	Glycation, oxidation and glycoxidation of IgG: a biophysical, biochemical, immunological and hematological study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 2637-2653.	3.5	16
22	Preferential recognition of advanced glycation end products by serum antibodies and low-grade systemic inflammation in diabetes mellitus and its complications. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1884-1891.	7.5	12
23	Methylglyoxal produces more changes in biochemical and biophysical properties of human IgG under high glucose compared to normal glucose level. <i>PLoS ONE</i> , 2018, 13, e0191014.	2.5	12
24	Impact of Hydroxyl Radical Modified-Human Serum Albumin Autoantigens in Systemic Lupus Erythematosus. <i>Current Protein and Peptide Science</i> , 2018, 19, 881-888.	1.4	1
25	Studies on glycoxidatively modified human IgG: Implications in immuno-pathology of type 2 diabetes mellitus. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 19-29.	7.5	18
26	Peroxynitrite-modified histone as a pathophysiological biomarker in autoimmune diseases. <i>Biochimie</i> , 2017, 140, 1-9.	2.6	21
27	New insights into non-enzymatic glycation of human serum albumin biopolymer: A study to unveil its impaired structure and function. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 84-99.	7.5	19
28	Study of IL4â€¦590C/T and IL6â€¦174G/C Gene Polymorphisms in Type 2 Diabetic Patients With Chronic Kidney Disease in North Indian Population. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1803-1809.	2.6	14
29	Genotoxic effect and antigen binding characteristics of SLE auto-antibodies to peroxynitrite-modified human DNA. <i>Archives of Biochemistry and Biophysics</i> , 2017, 635, 8-16.	3.0	0
30	Nitration of H2B histone elicits an immune response in experimental animals. <i>Autoimmunity</i> , 2017, 50, 232-240.	2.6	9
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.	3.9	1
32	Neo-Epitopes Generated on Hydroxyl Radical Modified GlycatedIgG Have Role in Immunopathology of Diabetes Type 2. <i>PLoS ONE</i> , 2017, 12, e0169099.	2.5	14
33	Non-enzymatic glucosylation induced neo-epitopes on human serum albumin: A concentration based study. <i>PLoS ONE</i> , 2017, 12, e0172074.	2.5	6
34	Nonenzymatic glycosylation of human serum albumin and its effect on antibodies profile in patients with diabetes mellitus. <i>PLoS ONE</i> , 2017, 12, e0176970.	2.5	29
35	Anti-arthritis and cardioprotective action of hesperidin and daidzein in collagen-induced rheumatoid arthritis. <i>Molecular and Cellular Biochemistry</i> , 2016, 423, 115-127.	3.1	34
36	Elucidating the impact of glucosylation on human serum albumin: A multi-technique approach. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 881-891.	7.5	7

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37	Hyperglycemia induced structural and functional changes in human serum albumin of diabetic patients: a physico-chemical study. <i>Molecular BioSystems</i> , 2016, 12, 2481-2489.	2.9	23
38	Peroxynitrite-induced structural perturbations in human IgG: A physicochemical study. <i>Archives of Biochemistry and Biophysics</i> , 2016, 603, 72-80.	3.0	9
39	Immunochemical studies on HNE-modified HSA: Anti-HNE HSA antibodies as a probe for HNE damaged albumin in SLE. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 145-154.	7.5	18
40	Impact of glycation on structural and antioxidant function of human serum albumin: Relevance in diabetic complications. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2016, 10, 96-101.	3.6	11
41	Role of peroxynitrite induced structural changes on H2B histone by physicochemical method. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 31-38.	7.5	18
42	Structural changes in histone H2A by methylglyoxal generate highly immunogenic amorphous aggregates with implications in auto-immune response in cancer. <i>Glycobiology</i> , 2016, 26, 129-141.	2.5	28
43	Glycation of H1 Histone by 3-Deoxyglucosone: Effects on Protein Structure and Generation of Different Advanced Glycation End Products. <i>PLoS ONE</i> , 2015, 10, e0130630.	2.5	45
44	Dicarbonyl Induced Structural Perturbations Make Histone H1 Highly Immunogenic and Generate an Auto-Immune Response in Cancer. <i>PLoS ONE</i> , 2015, 10, e0136197.	2.5	20
45	A clinical correlation of anti-DNA-AGE autoantibodies in type 2 diabetes mellitus with disease duration. <i>Cellular Immunology</i> , 2015, 293, 74-79.	3.0	8
46	Impact of in vitro non-enzymatic glycation on biophysical and biochemical regimes of human serum albumin: relevance in diabetes associated complications. <i>RSC Advances</i> , 2015, 5, 63605-63614.	3.6	40
47	Glycated-H2A histone is better bound by serum anti-DNA autoantibodies in SLE patients: Glycated-histones as likely trigger for SLE?. <i>Autoimmunity</i> , 2015, 48, 19-28.	2.6	18
48	3-Deoxyglucosone: A Potential Glycating Agent Accountable for Structural Alteration in H3 Histone Protein through Generation of Different AGEs. <i>PLoS ONE</i> , 2015, 10, e0116804.	2.5	45
49	Human DNA damage by the synergistic action of 4-aminobiphenyl and nitric oxide: An immunochemical study. <i>Environmental Toxicology</i> , 2014, 29, 568-576.	4.0	31
50	Peroxynitrite modified DNA presents better epitopes for anti-DNA autoantibodies in diabetes type 1 patients. <i>Cellular Immunology</i> , 2014, 290, 30-38.	3.0	12
51	Studies on peroxynitrite-modified H1 histone: Implications in systemic lupus erythematosus. <i>Biochimie</i> , 2014, 97, 104-113.	2.6	24
52	Glycoxidative damage to human DNA: Neo-antigenic epitopes on DNA molecule could be a possible reason for autoimmune response in type 1 diabetes. <i>Glycobiology</i> , 2014, 24, 281-291.	2.5	52
53	Autoimmune response to AGE modified human DNA: Implications in type 1 diabetes mellitus. <i>Journal of Clinical and Translational Endocrinology</i> , 2014, 1, 66-72.	1.4	20
54	Role of Early Glycation Amadori Products of Lysine-Rich Proteins in the Production of Autoantibodies in Diabetes Type 2 Patients. <i>Cell Biochemistry and Biophysics</i> , 2014, 70, 857-865.	1.8	18

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55	Methylglyoxal mediated conformational changes in histone H2A generation of carboxyethylated advanced glycation end products. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 260-266.	7.5	52
56	Fine characterization of glucosylated human IgG by biochemical and biophysical methods. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 408-415.	7.5	39
57	Steroidal pyrimidines: Synthesis, characterization, molecular docking studies with DNA and in vitro cytotoxicity. <i>Journal of Molecular Structure</i> , 2013, 1045, 62-71.	3.6	18
58	Binding of circulating autoantibodies in breast cancer to native and peroxynitrite-modified RNA. <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 40-46.	2.8	3
59	Genotoxic Effect of N-Hydroxy-4-Acetylamino-biphenyl on Human DNA: Implications in Bladder Cancer. <i>PLoS ONE</i> , 2013, 8, e53205.	2.5	29
60	Role of peroxynitrite-modified H2A histone in the induction and progression of rheumatoid arthritis. <i>Scandinavian Journal of Rheumatology</i> , 2012, 41, 426-433.	1.1	19
61	Structural and immunological characterization of Amadori-rich human serum albumin: Role in diabetes mellitus. <i>Archives of Biochemistry and Biophysics</i> , 2012, 522, 17-25.	3.0	46
62	Physicochemical and immunological studies on 4-hydroxynonenal modified HSA: Implications of protein damage by lipid peroxidation products in the etiopathogenesis of SLE. <i>Human Immunology</i> , 2012, 73, 1132-1139.	2.4	24
63	Physicochemical analysis of structural changes in DNA modified with glucose. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 604-611.	7.5	21
64	Acquired immunogenicity of human DNA damaged by N-hydroxy-N-acetyl-4-aminobiphenyl. <i>IUBMB Life</i> , 2012, 64, 340-345.	3.4	34
65	Hydroxyl Radical Modification of Collagen Type II Increases Its Arthritogenicity and Immunogenicity. <i>PLoS ONE</i> , 2012, 7, e31199.	2.5	46
66	Genotoxicity and immunogenicity of DNA-advanced glycation end products formed by methylglyoxal and lysine in presence of Cu ²⁺ . <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 568-574.	2.1	110
67	Peroxynitrite-induced modification of H2A histone presents epitopes which are strongly bound by human anti-DNA autoantibodies: Role of peroxynitrite-modified-H2A in SLE induction and progression. <i>Human Immunology</i> , 2011, 72, 219-225.	2.4	22
68	Detection of Autoantibodies Against Glycosylated-DNA in Diabetic Subjects: Its Possible Correlation with HbA _{1C} . <i>Disease Markers</i> , 2011, 30, 235-243.	1.3	5
69	Physicochemical studies on peroxynitrite-modified H3 histone. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 20-26.	7.5	26
70	Impact of Peroxynitrite Modification on Structure and Immunogenicity of H2A Histone. <i>Scandinavian Journal of Immunology</i> , 2009, 69, 99-109.	2.7	37
71	Preferential recognition of Amadori-rich lysine residues by serum antibodies in diabetes mellitus: Role of protein glycation in the disease process. <i>Human Immunology</i> , 2009, 70, 417-424.	2.4	61
72	Enhanced binding of circulating SLE autoantibodies to catecholestrogen-copper-modified DNA. <i>Molecular and Cellular Biochemistry</i> , 2008, 315, 143-150.	3.1	29

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73	Catechol-estrogen modified DNA: A better antigen for cancer autoantibody. Archives of Biochemistry and Biophysics, 2007, 465, 293-300.	3.0	26
74	Immunogenicity of mitochondrial DNA modified by hydroxyl radical. Cellular Immunology, 2007, 247, 12-17.	3.0	44
75	How Do Internal Medicine Residency Programs Evaluate Their Resident Float Experiences?. Southern Medical Journal, 2006, 99, 919-923.	0.7	18
76	Isolation and characterization of provisional serovar Shigella boydii E16553 from diarrhoeal patients in Bangladesh. Journal of Medical Microbiology, 2005, 54, 477-480.	1.8	10
77	Beneficial effect of nitric oxide synthase inhibitor on hepatotoxicity induced by allyl alcohol. Journal of Biochemical and Molecular Toxicology, 2001, 15, 317-321.	3.0	6
78	Antigen binding characteristics of antibodies against hydroxyl radical modified thymidine monophosphate. Immunology Letters, 2000, 71, 111-115.	2.5	14
79	Human anti-DNA autoantibodies and induced antibodies against ROS-modified-DNA show similar antigenic binding characteristics. IUBMB Life, 1999, 47, 881-890.	3.4	3
80	THE PROTECTIVE ACTION OF THYMOL AGAINST CARBON TETRACHLORIDE HEPATOTOXICITY IN MICE. Pharmacological Research, 1999, 40, 159-163.	7.1	49
81	Protective effect of aminoguanidine, a nitric oxide synthase inhibitor, against carbon tetrachloride induced hepatotoxicity in mice. Life Sciences, 1999, 66, 265-270.	4.3	69
82	Teratoma of the liver--a case report. Indian Journal of Pathology and Microbiology, 1998, 41, 457-9.	0.2	6
83	The effect of hydroxyl radical on the antigenicity of native DNA. FEBS Letters, 1993, 319, 66-70.	2.8	39
84	Naturally Occurring SLE Anti-DNA Antibodies Recognize Unique Conformation on DNA-Lysine Photoadduct. Microbiology and Immunology, 1992, 36, 1003-1007.	1.4	8
85	Human autoantibody binding to multiple conformations of DNA. Biochemistry International, 1992, 26, 597-605.	0.2	8
86	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