Asif Ali

List of Publications by Year
in descending order

66 papers	1,204 citations	430754 18 h-index	414303 32 g-index
66 all docs	66 docs citations	66 times ranked	1292 citing authors

#	Article	IF	Citations
1	Genotoxicity and immunogenicity of DNA-advanced glycation end products formed by methylglyoxal and lysine in presence of Cu2+. Biochemical and Biophysical Research Communications, 2011, 407, 568-574.	1.0	110
2	Biochemistry of Nitric Oxide. Indian Journal of Clinical Biochemistry, 2011, 26, 3-17.	0.9	86
3	Role of ROS modified human DNA in the pathogenesis and etiology of cancer. Cancer Letters, 1999, 142, 1-9.	3.2	81
4	Preferential recognition of Amadori-rich lysine residues by serum antibodies in diabetes mellitus: Role of protein glycation in the disease process. Human Immunology, 2009, 70, 417-424.	1.2	61
5	Methylglyoxal mediated conformational changes in histone H2Aâ€"generation of carboxyethylated advanced glycation end products. International Journal of Biological Macromolecules, 2014, 69, 260-266.	3.6	52
6	Physicochemical studies on glycationâ€induced structural changes in human IgG. IUBMB Life, 2012, 64, 151-156.	1.5	49
7	Pathophysiological Role of Peroxynitrite Induced DNA Damage in Human Diseases: A Special Focus on Poly(ADP-ribose) Polymerase (PARP). Indian Journal of Clinical Biochemistry, 2015, 30, 368-385.	0.9	49
8	Ferulic acid reinstates mitochondrial dynamics through PGC1Î± expression modulation in 6â€hydroxydopamine lesioned rats. Phytotherapy Research, 2020, 34, 214-226.	2.8	42
9	The effect of hydroxyl radical on the antigenicity of native DNA. FEBS Letters, 1993, 319, 66-70.	1.3	39
10	Immunological studies on peroxynitrite modified human DNA. Life Sciences, 2005, 77, 2626-2642.	2.0	32
11	Immunological studies on glycated human IgG. Life Sciences, 2012, 90, 980-987.	2.0	32
12	Human DNA damage by the synergistic action of 4â€aminobiphenyl and nitric oxide: An immunochemical study. Environmental Toxicology, 2014, 29, 568-576.	2.1	31
13	Preferential recognition of peroxynitrite modified human DNA by circulating autoantibodies in cancer patients. Cellular Immunology, 2009, 254, 117-123.	1.4	29
14	Structural changes in histone H2A by methylglyoxal generate highly immunogenic amorphous aggregates with implications in auto-immune response in cancer. Glycobiology, 2016, 26, 129-141.	1.3	28
15	Acetaldehyde-induced oxidative modifications and morphological changes in isolated human erythrocytes: an in vitro study. Environmental Science and Pollution Research, 2020, 27, 16268-16281.	2.7	23
16	Hypochlorous acid induced structural and conformational modifications in human DNA: A multi-spectroscopic study. International Journal of Biological Macromolecules, 2018, 106, 551-558.	3.6	21
17	Autoimmune response to AGE modified human DNA: Implications in type 1 diabetes mellitus. Journal of Clinical and Translational Endocrinology, 2014, 1, 66-72.	1.0	20
18	Dicarbonyl Induced Structural Perturbations Make Histone H1 Highly Immunogenic and Generate an Auto-Immune Response in Cancer. PLoS ONE, 2015, 10, e0136197.	1.1	20

#	Article	IF	Citations
19	Neo-epitopes on methylglyoxal modified human serum albumin lead to aggressive autoimmune response in diabetes. International Journal of Biological Macromolecules, 2016, 86, 799-809.	3.6	19
20	Evaluation of phyto-medicinal efficacy of thymoquinone against Arsenic induced mitochondrial dysfunction and cytotoxicity in SH-SY5Y cells. Phytomedicine, 2019, 54, 224-230.	2.3	19
21	Role of Early Glycation Amadori Products of Lysine-Rich Proteins in the Production of Autoantibodies in Diabetes Type 2 Patients. Cell Biochemistry and Biophysics, 2014, 70, 857-865.	0.9	18
22	Immunochemical studies on HNE-modified HSA: Anti-HNEâ€“HSA antibodies as a probe for HNE damaged albumin in SLE. International Journal of Biological Macromolecules, 2016, 86, 145-154.	3.6	18
23	Studies on glycoxidatively modified human IgG: Implications in immuno-pathology of type 2 diabetes mellitus. International Journal of Biological Macromolecules, 2017, 104, 19-29.	3.6	18
24	Fructosylation generates neoâ€epitopes on human serum albumin. IUBMB Life, 2015, 67, 338-347.	1.5	17
25	SLE Anti-DNA Autoantibodies Binding Estradiol-Albumin-DNA Conjugate. Lupus, 1994, 3, 43-46.	0.8	16
26	Role of Peroxynitrite-Induced Activation of Poly(ADP-Ribose) Polymerase (PARP) in Circulatory Shock and Related Pathological Conditions. Cardiovascular Toxicology, 2017, 17, 373-383.	1.1	16
27	Glycation, oxidation and glycoxidation of IgG: a biophysical, biochemical, immunological and hematological study. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2637-2653.	2.0	16
28	Perillyl alcohol alleviates amyloid-Î² peptides-induced mitochondrial dysfunction and cytotoxicity in SH-SY5Y cells. International Journal of Biological Macromolecules, 2018, 109, 1029-1038.	3.6	15
29	Binding of circulating SLE autoantibodies to oxygen free radical damaged chromatin. Autoimmunity, 2005, 38, 431-438.	1.2	14
30	Peroxynitrite induced structural changes result in the generation of neo-epitopes on human serum albumin. International Journal of Biological Macromolecules, 2013, 59, 349-356.	3.6	14
31	Neo-Epitopes Generated on Hydroxyl Radical Modified GlycatedIgG Have Role in Immunopathology of Diabetes Type 2. PLoS ONE, 2017, 12, e0169099.	1.1	14
32	Preferential recognition of epitopes on AGEâ€“IgG by the autoantibodies in rheumatoid arthritis patients. Human Immunology, 2013, 74, 23-27.	1.2	13
33	Antibodies Against Free Radical Modified Native DNA Recognize B-Conformation. Immunological Investigations, 1992, 21, 553-563.	1.0	12
34	Native DNA fragments photocrosslinked to psoralen binds to anti-B and anti-Z DNA antibodies. Immunology Letters, 1995, 48, 215-219.	1.1	12
35	Peroxynitrite modified DNA presents better epitopes for anti-DNA autoantibodies in diabetes type 1 patients. Cellular Immunology, 2014, 290, 30-38.	1.4	12
36	Preferential recognition of peroxynitrite-modified human serum albumin by circulating autoantibodies in cancer. International Journal of Biological Macromolecules, 2015, 72, 875-882.	3.6	11

#	Article	IF	Citations
37	Characterization of human serum albumin modified by hair dye component, 4-chloro-1,2-phenylenediamine: Role in protein aggregation, redox biology and cytotoxicity. Journal of Molecular Liquids, 2021, 331, 115731.	2.3	11
38	Genotoxicity and immunogenicity of crotonaldehyde modified human DNA. International Journal of Biological Macromolecules, 2014, 65, 471-478.	3.6	10
39	Neo-epitopes on crotonaldehyde modified DNA preferably recognize circulating autoantibodies in cancer patients. Tumor Biology, 2016, 37, 1817-1824.	0.8	10
40	Naturally Occurring SLE Antiâ€DNA Antibodies Recognize Unique Conformation on DNAâ€Lysine Photoadduct. Microbiology and Immunology, 1992, 36, 1003-1007.	0.7	8
41	Crossâ€Reactions of Human Lupus Autoantibodies with 8â€Methoxypsoralen Photomodified DNA Fragments. Microbiology and Immunology, 1994, 38, 239-243.	0.7	7
42	Peroxynitrite modified DNA may be an antigenic trigger for antibodies in various cancers of gynecologic origin. Human Immunology, 2013, 74, 1239-1243.	1.2	7
43	Investigating Various Thresholds as Immunohistochemistry Cutoffs for Observer Agreement. Applied Immunohistochemistry and Molecular Morphology, 2017, 25, 599-608.	0.6	6
44	Acetaldehyde-induced structural and conformational alterations in human immunoglobulin G: A physicochemical and multi-spectroscopic study. International Journal of Biological Macromolecules, 2018, 113, 701-710.	3.6	6
45	Cadmiumâ€induced neurodegeneration and activation of noncanonical sonic hedgehog pathway in rat cerebellum. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22274.	1.4	6
46	Novel Homeodomain Transcription Factor Nkx2.2 in the Brain Tumor Development. Current Cancer Drug Targets, 2020, 20, 335-340.	0.8	6
47	Oxidatively Damaged DNA: A Possible Antigenic Stimulus for Cancer Autoantibodies. Indian Journal of Clinical Biochemistry, 2010, 25, 244-249.	0.9	5
48	Autoantibodies-Like Antigen Binding Characteristics of Induced Antibodies Against Polylysine-Polyglutamate Complex. Autoimmunity, 1994, 19, 7-14.	1.2	4
49	Structural alteration in hypochlorous acid modified antithrombin indicates generation of neo-epitopes. Archives of Biochemistry and Biophysics, 2020, 685, 108332.	1.4	4
50	4-Chloro-orthophenylenediamine alters DNA integrity and affects cell survival: inferences from a computational, biophysical/biochemical, microscopic and cell-based study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 14176-14187.	2.0	4
51	Oral administration of pentachlorophenol impairs antioxidant system, inhibits enzymes of brush border membrane, causes DNA damage and histological changes in rat intestine. Toxicology Research, 2022, 11, 616-627.	0.9	4
52	Levels of anti-fructose-modified HSA antibodies correlate with disease status in diabetic subjects. International Journal of Biological Macromolecules, 2016, 88, 93-101.	3.6	3
53	Hypochlorous acid decreases antioxidant power, inhibits plasma membrane redox system and pathways of glucose metabolism in human red blood cells. Toxicology Research, 2021, 10, 264-271.	0.9	3
54	Biophysical characterization of structural and conformational changes in methylmethane sulfonate modified DNA leading to the frizzled backbone structure and strand breaks in DNA. Journal of Biomolecular Structure and Dynamics, 2021, , 1-14.	2.0	3

#	Article	IF	Citations
55	Risk of Carcinogenicity Associated with Synthetic Hair Dyeing Formulations: A Biochemical View on Action Mechanisms, Genetic Variation and Prevention. Indian Journal of Clinical Biochemistry, 2022, 37, 399-409.	0.9	3
56	Sle autoantibodies recognize spermine induced Zâ€conformation of native calf thymus DNA. IUBMB Life, 1996, 40, 787-797.	1.5	2
57	Binding characteristics of sle anti-DNA autoantibodies to modified DNA analogue. IUBMB Life, 1997, 43, 643-653.	1.5	2
58	Binding of naturally occurring anti-DNA antibodies to estradiol. IUBMB Life, 1998, 45, 511-518.	1.5	2
59	Structural and immunological characterization of hydroxyl radical modified human IgG: Clinical correlation in rheumatoid arthritis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 194, 194-201.	2.0	2
60	Increasing Use of Hair Dye and Associated Genotoxicity Needs to be Probed. Indian Journal of Clinical Biochemistry, 2020, 35, 133-134.	0.9	2
61	Characterization of Glyoxal Modified LDL: Role in the Generation of Circulating Autoantibodies in Type 2 Diabetes Mellitus and Coronary Artery Disease. Current Drug Delivery, 2021, 18, 1027-1040.	0.8	2
62	Oxygen free radical modified DNA: Implications in the etiopathogenesis of Systemic lupus erythematosus. Indian Journal of Clinical Biochemistry, 2009, 24, 123-130.	0.9	1
63	Molecular docking explores heightened immunogenicity and structural dynamics of acetaldehyde human immunoglobulin G adduct. IUBMB Life, 2019, 71, 1522-1536.	1.5	1
64	Antigenicity of deoxyadenosine 5-monophosphate cross-linked with polyamine. Biotechnology and Applied Biochemistry, 1998, 27, 31-35.	1.4	1
65	Characterization of Glyoxal Modified LDL: Role in the Generation of Circulating Autoantibodies in Type 2 Diabetes Mellitus and Coronary Artery Disease. Current Drug Targets, 2021, 22, .	1.0	0
66	Calf Thymus DNA Exposed to Quinacrine at Physiological Temperatures and pH Acquires Immunogenicity: A Threat for Long Term Quinacrine Therapy. Indian Journal of Clinical Biochemistry, 0, , .	0.9	0