

Asif Ali

List of Publications by Year in descending order

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66
papers

1,204
citations

430442

18
h-index

414034

32
g-index

66
all docs

66
docs citations

66
times ranked

1292
citing authors

#	ARTICLE	IF	CITATIONS
1	4-Chloro-orthophenylenediamine alters DNA integrity and affects cell survival: inferences from a computational, biophysical/biochemical, microscopic and cell-based study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 14176-14187.	2.0	4
2	Risk of Carcinogenicity Associated with Synthetic Hair Dyeing Formulations: A Biochemical View on Action Mechanisms, Genetic Variation and Prevention. <i>Indian Journal of Clinical Biochemistry</i> , 2022, 37, 399-409.	0.9	3
3	Oral administration of pentachlorophenol impairs antioxidant system, inhibits enzymes of brush border membrane, causes DNA damage and histological changes in rat intestine. <i>Toxicology Research</i> , 2022, 11, 616-627.	0.9	4
4	Characterization of Glyoxal Modified LDL: Role in the Generation of Circulating Autoantibodies in Type 2 Diabetes Mellitus and Coronary Artery Disease. <i>Current Drug Targets</i> , 2021, 22, .	1.0	0
5	Hypochlorous acid decreases antioxidant power, inhibits plasma membrane redox system and pathways of glucose metabolism in human red blood cells. <i>Toxicology Research</i> , 2021, 10, 264-271.	0.9	3
6	Biophysical characterization of structural and conformational changes in methylmethane sulfonate modified DNA leading to the frizzled backbone structure and strand breaks in DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-14.	2.0	3
7	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.	2.3	11
8	Characterization of Glyoxal Modified LDL: Role in the Generation of Circulating Autoantibodies in Type 2 Diabetes Mellitus and Coronary Artery Disease. <i>Current Drug Delivery</i> , 2021, 18, 1027-1040.	0.8	2
9	Ferulic acid reinstates mitochondrial dynamics through PGC1 α expression modulation in 6-hydroxydopamine lesioned rats. <i>Phytotherapy Research</i> , 2020, 34, 214-226.	2.8	42
10	Increasing Use of Hair Dye and Associated Genotoxicity Needs to be Probed. <i>Indian Journal of Clinical Biochemistry</i> , 2020, 35, 133-134.	0.9	2
11	Structural alteration in hypochlorous acid modified antithrombin indicates generation of neo-epitopes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 685, 108332.	1.4	4
12	Acetaldehyde-induced oxidative modifications and morphological changes in isolated human erythrocytes: an in vitro study. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16268-16281.	2.7	23
13	Novel Homeodomain Transcription Factor Nkx2.2 in the Brain Tumor Development. <i>Current Cancer Drug Targets</i> , 2020, 20, 335-340.	0.8	6
14	Molecular docking explores heightened immunogenicity and structural dynamics of acetaldehyde human immunoglobulin G adduct. <i>IUBMB Life</i> , 2019, 71, 1522-1536.	1.5	1
15	Evaluation of phyto-medicinal efficacy of thymoquinone against Arsenic induced mitochondrial dysfunction and cytotoxicity in SH-SY5Y cells. <i>Phytotherapy Research</i> , 2019, 54, 224-230.	2.3	19
16	Cadmium-induced neurodegeneration and activation of noncanonical sonic hedgehog pathway in rat cerebellum. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22274.	1.4	6
17	Acetaldehyde-induced structural and conformational alterations in human immunoglobulin G: A physicochemical and multi-spectroscopic study. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 701-710.	3.6	6
18	Structural and immunological characterization of hydroxyl radical modified human IgG: Clinical correlation in rheumatoid arthritis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 194, 194-201.	2.0	2

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19	Hypochlorous acid induced structural and conformational modifications in human DNA: A multi-spectroscopic study. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 551-558.	3.6	21
20	Perillyl alcohol alleviates amyloid- β^2 peptides-induced mitochondrial dysfunction and cytotoxicity in SH-SY5Y cells. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 1029-1038.	3.6	15
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.	2.0	16
22	Investigating Various Thresholds as Immunohistochemistry Cutoffs for Observer Agreement. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2017, 25, 599-608.	0.6	6
23	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.	3.6	18
24	Role of Peroxynitrite-Induced Activation of Poly(ADP-Ribose) Polymerase (PARP) in Circulatory Shock and Related Pathological Conditions. <i>Cardiovascular Toxicology</i> , 2017, 17, 373-383.	1.1	16
25	Neo-Epitopes Generated on Hydroxyl Radical Modified Glycated IgG Have Role in Immunopathology of Diabetes Type 2. <i>PLoS ONE</i> , 2017, 12, e0169099.	1.1	14
26	Levels of anti-fructose-modified HSA antibodies correlate with disease status in diabetic subjects. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 93-101.	3.6	3
27	Neo-epitopes on methylglyoxal modified human serum albumin lead to aggressive autoimmune response in diabetes. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 799-809.	3.6	19
28	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.	3.6	18
29	Neo-epitopes on crotonaldehyde modified DNA preferably recognize circulating autoantibodies in cancer patients. <i>Tumor Biology</i> , 2016, 37, 1817-1824.	0.8	10
30	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.	1.3	28
31	Dicarbonyl Induced Structural Perturbations Make Histone H1 Highly Immunogenic and Generate an Auto-Immune Response in Cancer. <i>PLoS ONE</i> , 2015, 10, e0136197.	1.1	20
32	Pathophysiological Role of Peroxynitrite Induced DNA Damage in Human Diseases: A Special Focus on Poly(ADP-ribose) Polymerase (PARP). <i>Indian Journal of Clinical Biochemistry</i> , 2015, 30, 368-385.	0.9	49
33	Fructosylation generates neo-epitopes on human serum albumin. <i>IUBMB Life</i> , 2015, 67, 338-347.	1.5	17
34	Preferential recognition of peroxynitrite-modified human serum albumin by circulating autoantibodies in cancer. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 875-882.	3.6	11
35	Human DNA damage by the synergistic action of 4-aminobiphenyl and nitric oxide: An immunochemical study. <i>Environmental Toxicology</i> , 2014, 29, 568-576.	2.1	31
36	Peroxynitrite modified DNA presents better epitopes for anti-DNA autoantibodies in diabetes type 1 patients. <i>Cellular Immunology</i> , 2014, 290, 30-38.	1.4	12

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37	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.	1.0	20
38	Genotoxicity and immunogenicity of crotonaldehyde modified human DNA. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 471-478.	3.6	10
39	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.	0.9	18
40	Methylglyoxal mediated conformational changes in histone H2Aâ€™ generation of carboxyethylated advanced glycation end products. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 260-266.	3.6	52
41	Peroxynitrite modified DNA may be an antigenic trigger for antibodies in various cancers of gynecologic origin. <i>Human Immunology</i> , 2013, 74, 1239-1243.	1.2	7
42	Peroxynitrite induced structural changes result in the generation of neo-epitopes on human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2013, 59, 349-356.	3.6	14
43	Preferential recognition of epitopes on AGEâ€™IgG by the autoantibodies in rheumatoid arthritis patients. <i>Human Immunology</i> , 2013, 74, 23-27.	1.2	13
44	Immunological studies on glycated human IgG. <i>Life Sciences</i> , 2012, 90, 980-987.	2.0	32
45	Physicochemical studies on glycationâ€™induced structural changes in human IgG. <i>IUBMB Life</i> , 2012, 64, 151-156.	1.5	49
46	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.	1.0	110
47	Biochemistry of Nitric Oxide. <i>Indian Journal of Clinical Biochemistry</i> , 2011, 26, 3-17.	0.9	86
48	Oxidatively Damaged DNA: A Possible Antigenic Stimulus for Cancer Autoantibodies. <i>Indian Journal of Clinical Biochemistry</i> , 2010, 25, 244-249.	0.9	5
49	Preferential recognition of peroxynitrite modified human DNA by circulating autoantibodies in cancer patients. <i>Cellular Immunology</i> , 2009, 254, 117-123.	1.4	29
50	Oxygen free radical modified DNA: Implications in the etiopathogenesis of Systemic lupus erythematosus. <i>Indian Journal of Clinical Biochemistry</i> , 2009, 24, 123-130.	0.9	1
51	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.	1.2	61
52	Binding of circulating SLE autoantibodies to oxygen free radical damaged chromatin. <i>Autoimmunity</i> , 2005, 38, 431-438.	1.2	14
53	Immunological studies on peroxynitrite modified human DNA. <i>Life Sciences</i> , 2005, 77, 2626-2642.	2.0	32
54	Role of ROS modified human DNA in the pathogenesis and etiology of cancer. <i>Cancer Letters</i> , 1999, 142, 1-9.	3.2	81

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55	Binding of naturally occurring anti-DNA antibodies to estradiol. IUBMB Life, 1998, 45, 511-518.	1.5	2
56	Antigenicity of deoxyadenosine 5-monophosphate cross-linked with polyamine. Biotechnology and Applied Biochemistry, 1998, 27, 31-35.	1.4	1
57	Binding characteristics of sle anti-DNA autoantibodies to modified DNA analogue. IUBMB Life, 1997, 43, 643-653.	1.5	2
58	Sle autoantibodies recognize spermine induced Zâ€œconformation of native calf thymus DNA. IUBMB Life, 1996, 40, 787-797.	1.5	2
59	Native DNA fragments photocrosslinked to psoralen binds to anti-B and anti-Z DNA antibodies. Immunology Letters, 1995, 48, 215-219.	1.1	12
60	Crossâ€œReactions of Human Lupus Autoantibodies with 8â€œMethoxypsoralen Photomodified DNA Fragments. Microbiology and Immunology, 1994, 38, 239-243.	0.7	7
61	SLE Anti-DNA Autoantibodies Binding Estradiol-Albumin-DNA Conjugate. Lupus, 1994, 3, 43-46.	0.8	16
62	Autoantibodies-Like Antigen Binding Characteristics of Induced Antibodies Against Polylysine-Polyglutamate Complex. Autoimmunity, 1994, 19, 7-14.	1.2	4
63	The effect of hydroxyl radical on the antigenicity of native DNA. FEBS Letters, 1993, 319, 66-70.	1.3	39
64	Naturally Occurring SLE Antiâ€œDNA Antibodies Recognize Unique Conformation on DNAâ€œLysine Photoadduct. Microbiology and Immunology, 1992, 36, 1003-1007.	0.7	8
65	Antibodies Against Free Radical Modified Native DNA Recognize B-Conformation. Immunological Investigations, 1992, 21, 553-563.	1.0	12
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