

Mohammad Afzal

List of Publications by Year in descending order

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110
papers

2,142
citations

218677

26
h-index

289244

40
g-index

111
all docs

111
docs citations

111
times ranked

2740
citing authors

#	ARTICLE	IF	CITATIONS
1	Management of psoriasis with Aloe vera extract in a hydrophilic cream: a placebo-controlled, double-blind study. <i>Tropical Medicine and International Health</i> , 1996, 1, 505-509.	2.3	175
2	Induction of Apoptosis and Antiproliferative Activity of Naringenin in Human Epidermoid Carcinoma Cell through ROS Generation and Cell Cycle Arrest. <i>PLoS ONE</i> , 2014, 9, e110003.	2.5	130
3	Estimation of Lipid Peroxidation Induced by Hydrogen Peroxide in Cultured Human Lymphocytes. Dose-Response, 2012, 10, dose-response.1.	1.6	120
4	Ellagic acid attenuates arsenic induced neuro-inflammation and mitochondrial dysfunction associated apoptosis. <i>Toxicology Reports</i> , 2018, 5, 411-417.	3.3	73
5	Genetics of consanguinity and inbreeding in health and disease. <i>Annals of Human Biology</i> , 2017, 44, 99-107.	1.0	72
6	Regulation of sonic hedgehog-GLI1 downstream target genes PTCH1, Cyclin D2, Plakoglobin, PAX6 and NKX2.2 and their epigenetic status in medulloblastoma and astrocytoma. <i>BMC Cancer</i> , 2010, 10, 614.	2.6	69
7	Single nucleotide polymorphism in genome-wide association of human population: A tool for broad spectrum service. <i>Egyptian Journal of Medical Human Genetics</i> , 2013, 14, 123-134.	1.0	55
8	Inbreeding and congenital heart diseases in a North Indian population. <i>Clinical Genetics</i> , 1994, 45, 288-291.	2.0	48
9	A Review on the Beneficial Effects of Tea Polyphenols on Human Health. <i>International Journal of Pharmacology</i> , 2008, 4, 314-338.	0.3	48
10	Antigenotoxic effect of apigenin against anti-cancerous drugs. <i>Toxicology in Vitro</i> , 2008, 22, 625-631.	2.4	46
11	Estimating the Inbreeding Depression on Cognitive Behavior: A Population Based Study of Child Cohort. <i>PLoS ONE</i> , 2014, 9, e109585.	2.5	44
12	Economic burden of hepatitis C in Canada and the potential impact of prevention. <i>European Journal of Health Economics</i> , 2005, 6, 159-165.	2.8	40
13	Antigenotoxic effects of ascorbic acid against megestrol acetate-induced genotoxicity in mice. <i>Human and Experimental Toxicology</i> , 2005, 24, 121-127.	2.2	38
14	Assessment of cell viability, lipid peroxidation and quantification of DNA fragmentation after the treatment of anticancerous drug mitomycin C and curcumin in cultured human blood lymphocytes. <i>Experimental and Toxicologic Pathology</i> , 2010, 62, 503-508.	2.1	37
15	Prevalence of diabetes and hypertension and association with various risk factors among different Muslim populations of Manipur, India. <i>Journal of Diabetes and Metabolic Disorders</i> , 2013, 12, 52.	1.9	37
16	Antigenotoxic effect of apigenin against mitomycin C induced genotoxic damage in mice bone marrow cells. <i>Food and Chemical Toxicology</i> , 2009, 47, 536-539.	3.6	36
17	Effect of L-Ascorbic Acid on the Climbing Ability and Protein Levels in the Brain of <i>Drosophila</i> Model of Parkinson's Disease. <i>International Journal of Neuroscience</i> , 2012, 122, 704-709.	1.6	35
18	Evidence of inbreeding depression on height, weight, and body mass index: A population-based child cohort study. <i>American Journal of Human Biology</i> , 2014, 26, 784-795.	1.6	35

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19	Prevalence and gene frequency of color vision impairments among children of six populations from North Indian region. <i>Genes and Diseases</i> , 2015, 2, 211-218.	3.4	35
20	Anxiolytic and anti-inflammatory role of thymoquinone in arsenic-induced hippocampal toxicity in Wistar rats. <i>Heliyon</i> , 2018, 4, e00650.	3.2	34
21	Induction of apoptosis by piperine in human cervical adenocarcinoma via ROS mediated mitochondrial pathway and caspase-3 activation. <i>EXCLI Journal</i> , 2019, 18, 154-164.	0.7	34
22	Expression and epigenetic modulation of sonic hedgehog-Gli1 pathway genes in neuroblastoma cell lines and tumors. <i>Tumor Biology</i> , 2011, 32, 113-127.	1.8	30
23	Polo-like Kinase 1 as an emerging drug target: structure, function and therapeutic implications. <i>Journal of Drug Targeting</i> , 2021, 29, 168-184.	4.4	30
24	Consequences of consanguinity on cognitive behavior. <i>Behavior Genetics</i> , 1988, 18, 583-594.	2.1	28
25	Antigenotoxic role of <i>Centella asiatica</i> L. extract against cyproterone acetate induced genotoxic damage in cultured human lymphocytes. <i>Toxicology in Vitro</i> , 2008, 22, 10-17.	2.4	26
26	The Dietary Supplementation of Nordihydroguaiaretic Acid (NDGA) Delayed the Loss of Climbing Ability in <i>Drosophila</i> Model of Parkinson's Disease. <i>Journal of Dietary Supplements</i> , 2012, 9, 1-8.	2.6	26
27	Genotoxic effects of estradiol-17 β on human lymphocyte chromosomes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 466, 109-115.	1.7	25
28	Genotoxic potential of ethinylestradiol in cultured mammalian cells. <i>Chemico-Biological Interactions</i> , 2005, 151, 133-141.	4.0	24
29	Amelioration of genotoxic damage by certain phytoproducts in human lymphocyte cultures. <i>Chemico-Biological Interactions</i> , 2004, 149, 107-115.	4.0	23
30	Thymoquinone alleviates arsenic induced hippocampal toxicity and mitochondrial dysfunction by modulating mPTP in Wistar rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 1152-1160.	5.6	23
31	Prevalence of Red-Green Color Vision Defects among Muslim Males and Females of Manipur, India. <i>Iranian Journal of Public Health</i> , 2013, 42, 16-24.	0.5	22
32	Human hedgehog interacting protein expression and promoter methylation in medulloblastoma cell lines and primary tumor samples. <i>Journal of Neuro-Oncology</i> , 2011, 103, 287-296.	2.9	21
33	<i>Terminalia arjuna</i> , a herbal remedy against environmental carcinogenicity: An in vitro and in vivo study. <i>Egyptian Journal of Medical Human Genetics</i> , 2014, 15, 61-67.	1.0	21
34	Ellagic acid mitigates arsenic trioxide induced mitochondrial dysfunction and cytotoxicity in SH-SY5Y cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22024.	3.0	21
35	Evaluation of genotoxic potential of synthetic progestins-norethindrone and norgestrel in human lymphocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 494, 13-20.	1.7	20
36	Protective effect of nordihydroguaiaretic acid (NDGA) against norgestrel induced genotoxic damage. <i>Toxicology in Vitro</i> , 2006, 20, 227-233.	2.4	20

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37	Impact of consanguineous marriages and degrees of inbreeding on fertility, child mortality, secondary sex ratio, selection intensity, and genetic load: a cross-sectional study from Northern India. <i>Pediatric Research</i> , 2017, 81, 18-26.	2.3	19
38	Evaluation of phyto-medicinal efficacy of thymoquinone against Arsenic induced mitochondrial dysfunction and cytotoxicity in SH-SY5Y cells. <i>Phytomedicine</i> , 2019, 54, 224-230.	5.3	19
39	Genotoxic potential of cyproterone acetate: a possible role of reactive oxygen species. <i>Toxicology in Vitro</i> , 2005, 19, 63-68.	2.4	17
40	Anti-genotoxic effect of <i>Ocimum sanctum</i> L. extract against cyproterone acetate induced genotoxic damage in cultured mammalian cells. <i>Acta Biologica Hungarica</i> , 2007, 58, 397-409.	0.7	17
41	Lipid Profile of Women Using Oral Contraceptive Pills. <i>Pakistan Journal of Biological Sciences</i> , 2012, 15, 947-950.	0.5	17
42	Anticlastogenic effect of apigenin in human lymphocytes treated with ethinylestradiol. <i>Fertilization and Sterility</i> , 2010, 81, 590-594.	2.2	16
43	Inbreeding depression and intelligence quotient among north Indian children. <i>Behavior Genetics</i> , 1993, 23, 343-347.	2.1	15
44	Evaluation of genotoxic potential of synthetic progestin chlormadinone acetate. <i>Toxicology Letters</i> , 2004, 153, 221-225.	0.8	15
45	Genotoxic potential of medroxyprogesterone acetate in cultured human peripheral blood lymphocytes. <i>Life Sciences</i> , 2006, 80, 212-218.	4.3	14
46	Genetic study of phenylthiocarbamide (PTC) taste perception among six human populations of Jammu and Kashmir (India). <i>Egyptian Journal of Medical Human Genetics</i> , 2012, 13, 161-166.	1.0	14
47	Gene Diversity in Some Muslim Populations of North India. <i>Human Biology</i> , 2005, 77, 343-353.	0.2	13
48	Protective effect of ascorbic acid against oxidative damage induced by hydrogen peroxide in cultured human peripheral blood lymphocytes. <i>Indian Journal of Clinical Biochemistry</i> , 2009, 24, 294-300.	1.9	13
49	Evaluation of micronucleus frequency by acridine orange fluorescent staining in buccal epithelial cells of oral submucosus fibrosis (OSMF) patients. <i>Egyptian Journal of Medical Human Genetics</i> , 2013, 14, 189-193.	1.0	13
50	Epigenetic regulation of human hedgehog interacting protein in glioma cell lines and primary tumor samples. <i>Tumor Biology</i> , 2015, 36, 2383-2391.	1.8	13
51	Antigenotoxic Effect of Genistein and Gingerol on Genotoxicity Induced by Norethandrolone and Oxandrolone in Cultured Human Lymphocytes. <i>International Journal of Pharmacology</i> , 2008, 4, 177-183.	0.3	13
52	Age-specific differences in blood pressure among inbred and non-inbred north Indian children. <i>Journal of Biosciences</i> , 1999, 24, 177-184.	1.1	12
53	Additive Action of Vitamins C and E against Hydrocortisone-Induced Genotoxicity in Human Lymphocyte Chromosomes. <i>International Journal for Vitamin and Nutrition Research</i> , 2002, 72, 204-209.	1.5	12
54	<i>Andrographia paniculata</i> a Miracle Herbs for cancer treatment: In vivo and in vitro studies against Aflatoxin B1 Toxicity. <i>Egyptian Journal of Medical Human Genetics</i> , 2014, 15, 163-171.	1.0	12

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55	Effect of Myricetin on the Loss of Dopaminergic Neurons in the Transgenic Drosophila Model of Parkinson's Disease. <i>Current Drug Therapy</i> , 2019, 14, 58-64.	0.3	12
56	Chromosomal aberration and micronucleus studies of two topoisomerase (II) targeting anthracyclines. <i>Journal of Environmental Biology</i> , 2009, 30, 409-12.	0.5	12
57	Antigenotoxic and anticlastogenic potential of <i>Agaricus bisporus</i> against MMS induced toxicity in human lymphocyte cultures and in bone marrow cells of mice. <i>Egyptian Journal of Medical Human Genetics</i> , 2013, 14, 395-402.	1.0	11
58	Increased cardiovascular risks associated with familial inbreeding: a population-based study of adolescent cohort. <i>Annals of Epidemiology</i> , 2016, 26, 283-292.	1.9	11
59	Lead and zinc interactions – An influence of zinc over lead related toxic manifestations. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 64, 126702.	3.0	11
60	Protective effect of apigenin against hydrogen peroxide induced genotoxic damage on cultured human peripheral blood lymphocytes. <i>Journal of Applied Biomedicine</i> , 2009, 7, 35-43.	1.7	10
61	Antigenotoxic effect of nordihydroguaiaretic acid against chlormadinone acetate-induced genotoxicity in mice bone-marrow cells. <i>Journal of Natural Medicines</i> , 2007, 62, 52-56.	2.3	9
62	A1A2BO and Rh gene frequencies among six populations of Jammu and Kashmir, India. <i>Transfusion and Apheresis Science</i> , 2014, 50, 247-252.	1.0	9
63	Antigenotoxic effect of allicin against SCEs induced by methyl methanesulphonate in cultured mammalian cells. <i>Indian Journal of Experimental Biology</i> , 2004, 42, 437-8.	0.0	9
64	Oxidation of retinyl acetate and analogues by nitric oxide and nitrogen dioxide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2329-2332.	2.2	8
65	Gene Diversity among Some Muslim Populations of Western Uttar Pradesh, India. <i>Anthropologist</i> , 2008, 10, 5-9.	0.1	8
66	Antigenotoxic effect of allicin against estradiol-17 β -induced genotoxic damage in cultured mammalian cells. <i>Natural Product Research</i> , 2010, 24, 1087-1094.	1.8	8
67	Prevalence and gene frequencies of A1A2BO and Rh(D) blood group alleles among some Muslim populations of North India. <i>Egyptian Journal of Medical Human Genetics</i> , 2013, 14, 69-76.	1.0	8
68	Beta-thalassemia and the advent of new interventions beyond transfusion and iron chelation. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 3610-3626.	2.4	8
69	Effects of inbreeding on marriage payment in North India. <i>Journal of Biosocial Science</i> , 1995, 27, 333-337.	1.2	7
70	Effect of methyl methanesulphonate on hsp70 expression and tissue damage in the third instar larvae of transgenic <i>Drosophila melanogaster</i> (hsp70-lacZ) Bg9. <i>Interdisciplinary Toxicology</i> , 2011, 4, 159-65.	1.0	7
71	Validation of 1-methyl-2-phenylindole method for estimating lipid peroxidation in the third instar larvae of transgenic <i>Drosophila melanogaster</i> (hsp70-lacZ) Bg9. <i>Pharmaceutical Methods</i> , 2012, 3, 94-97.	0.4	7
72	Effect of myricetin on the transgenic <i>Drosophila</i> model of Parkinson's disease. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2017, 55, 259-262.	0.3	7

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73	Induction of chromosomal aberrations and sister chromatid exchanges by chlormadinone acetate in human lymphocytes: a possible role of reactive oxygen species. <i>Indian Journal of Experimental Biology</i> , 2004, 42, 1078-83.	0.0	7
74	Reproductive Fitness and Selection Intensity Among Muslims of North India. <i>Journal of Human Ecology: International, Interdisciplinary Journal of Man-environment Relationship</i> , 2006, 19, 107-112.	0.1	6
75	Does <i>Caesalpinia bonducella</i> ameliorate genotoxicity? An in vitro study in human lymphocyte culture and in vivo study in Albino mice. <i>Egyptian Journal of Medical Human Genetics</i> , 2013, 14, 247-257.	1.0	6
76	<i>Terminalia catappa</i> , an anticlastogenic agent against MMS induced genotoxicity in the human lymphocyte culture and in bone marrow cells of Albino mice. <i>Egyptian Journal of Medical Human Genetics</i> , 2014, 15, 227-233.	1.0	6
77	Antigenotoxic effect of the <i>Plumbago zeylanica</i> extract against the genotoxic damage induced by potassium canrenoate in cultured human peripheral blood lymphocytes. <i>Drug and Chemical Toxicology</i> , 2012, 35, 119-126.	2.3	5
78	Effect of the Steroid K-canrenoate on <i>hsp70</i> Expression and Tissue Damage in Transgenic <i>Drosophila melanogaster</i> (<i>hsp70-lacZ</i>) ⁹ . <i>Journal of Insect Science</i> , 2012, 12, 1-10.	1.5	5
79	Gene frequency of sickle cell trait among Muslim populations in a malarial belt of India, i.e., Manipur. <i>Egyptian Journal of Medical Human Genetics</i> , 2012, 13, 323-330.	1.0	5
80	Whole-Exome Sequencing Reveals a Rare Variant of OTOF Gene Causing Congenital Non-syndromic Hearing Loss Among Large Muslim Families Favoring Consanguinity. <i>Frontiers in Genetics</i> , 2021, 12, 641925.	2.3	5
81	Protective role of allicin and L-ascorbic acid against the genotoxic damage induced by chlormadinone acetate in cultured human lymphocytes. <i>Indian Journal of Experimental Biology</i> , 2005, 43, 769-72.	0.0	5
82	Protective role of nordihydroguaiaretic acid (NDGA) against the genotoxic damage induced by ethynodiol diacetate in human lymphocytes in vitro. <i>Journal of Environmental Biology</i> , 2007, 28, 279-82.	0.5	5
83	Induction of Chromosomal Aberrations and Sister Chromatid Exchanges by Cyproterone Acetate in Human Lymphocytes. <i>International Journal of Human Genetics</i> , 2004, 4, 187-191.	0.1	4
84	Analysis of genotoxic damage induced by dacarbazine: an in vitro study. <i>Toxin Reviews</i> , 2010, 29, 130-136.	3.4	4
85	Protective role of <i>Plumbago zeylanica</i> extract against the toxic effects of ethinylestradiol in the third instar larvae of transgenic <i>Drosophila melanogaster</i> (<i>hsp70-lacZ</i>) ⁹ and cultured human peripheral blood lymphocytes. <i>Alternative Medicine Studies</i> , 2011, 1, 7.	0.2	4
86	A Novel Frameshift Mutation, Deletion of HBB:c.199_202delAAAG [Codon 66/67 (-AAAG)] in β^2 -Thalassemia Major Patients from the Western Region of Uttar Pradesh, India. <i>The Application of Clinical Genetics</i> , 2021, Volume 14, 77-85.	3.0	4
87	Antigenotoxic effect of allicin against methyl methanesulphonate induced genotoxic damage. <i>Journal of Environmental Biology</i> , 2005, 26, 547-50.	0.5	4
88	ABORTION INDEX AND MORTALITY OF OFFSPRING AMONG WOMEN OF DIFFERENT AGE, CASTE AND POPULATION GROUPS OF NORTH INDIAN MUSLIMS. <i>Journal of Biosocial Science</i> , 2008, 40, 431-443.	1.2	3
89	Genotoxic damage in cultured human peripheral blood lymphocytes of oral contraceptive users. <i>Egyptian Journal of Medical Human Genetics</i> , 2012, 13, 301-305.	1.0	3
90	Gene and environment interplay in cognition: Evidence from twin and molecular studies, future directions and suggestions for effective candidate gene x environment (cGxE) research. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 33, 121-130.	2.0	3

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91	Whole-exome sequencing reveals a novel homozygous mutation in the COQ8B gene associated with nephrotic syndrome. <i>Scientific Reports</i> , 2021, 11, 13337.	3.3	3
92	Effect of Myricetin on the Oxidative Stress Markers in the Brain of Transgenic Flies Expressing Human Alpha-Synuclein. <i>International Journal of Nutrition, Pharmacology, Neurological Diseases</i> , 2017, 7, 101.	0.5	3
93	Impact of Vitamin B12 against Pesticide Induced Mitoinhibition and Clastogeny.. <i>Cytologia</i> , 1992, 57, 353-358.	0.6	2
94	Effect of <i>Centella asiatica</i> L. extract against ethinylestradiol-induced geno-toxic damage on cultured human lymphocytes. <i>Biomedical Research (Aligarh, India)</i> , 2009, 20, 166.	0.1	2
95	Distribution of sensory taste thresholds for phenylthiocarbamide (PTC) taste ability in North Indian Muslim populations. <i>Egyptian Journal of Medical Human Genetics</i> , 2013, 14, 367-373.	1.0	2
96	Effect of lemon grass extract against methyl methanesulfonate-induced toxicity. <i>Toxin Reviews</i> , 2019, , 1-15.	3.4	2
97	Biochemical Effects of Oral Contraceptives among Users: A Review. <i>International Journal of Pharmacology</i> , 2012, 8, 314-320.	0.3	2
98	Anticarcinogenic and antimutagenic activity of <i>Alstonia scholaris</i> on the albino mice bone marrow cells and peripheral human lymphocyte culture against methyl methane sulfonate induced genotoxicity. <i>Advanced Biomedical Research</i> , 2016, 5, 92.	0.5	2
99	Antioxidant Effect of ECG on Testosterone Propionate Induced Chromosome Damage. <i>International Journal of Pharmacology</i> , 2008, 4, 258-263.	0.3	2
100	Prevalence and Genetic Analysis of Bitter Taste Perception for Phenylthiocarbamide (PTC) Among Some Muslim Populations of Uttar Pradesh, India. <i>Iranian Journal of Public Health</i> , 2014, 43, 441-52.	0.5	2
101	Evaluation of genotoxic potential of norethynodrel in human lymphocytes in vitro. <i>Journal of Environmental Biology</i> , 2005, 26, 387-92.	0.5	2
102	Steroid Hormones and Sister Chromatid Exchanges in the Human Lymphocyte Chromosomes.. <i>Cytologia</i> , 1996, 61, 53-56.	0.6	1
103	Gene diversity and biochemical markers among some Muslim Populations of Uttar Pradesh. <i>Anthropologischer Anzeiger</i> , 2009, 67, 29-36.	0.4	1
104	Protective role of <i>Eclipta alba</i> L. extract against ethinylestradiol induced genotoxic damage in cultured human lymphocytes. <i>Alternative Medicine Studies</i> , 2011, 1, 4.	0.2	1
105	Genetic structure of human populations based on 5 gene loci: A preliminary report from Northern India. <i>Gene Reports</i> , 2016, 4, 244-248.	0.8	1
106	Genetics and Public Health in Post-Genomic Era. <i>Trends in Medical Research</i> , 2008, 3, 41-63.	0.2	1
107	Effects of Inbreeding on Mortality: A North Indian Study. <i>Journal of Human Ecology: International, Interdisciplinary Journal of Man-environment Relationship</i> , 1998, 9, 463-466.	0.1	0
108	Ethical Concerns Related to Medical Genetics. <i>Anthropologist</i> , 2007, 9, 67-71.	0.1	0

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109	Gene frequency of sickle cell trait among Muslim populations in a Malarial belt of India, i.e., Manipur. Egyptian Journal of Medical Human Genetics, 2013, 14, 207-208.	1.0	0
110	Mental Retardation and Mental Health: Paradigm Shifts in Genetic, Clinical and Behavioural Research. Journal of Medical Sciences (Faisalabad, Pakistan), 2008, 8, 603-640.	0.0	0