

# Arpit Bhargava

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,396  
citations

331538

21  
h-index

377752

34  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Air pollution associated epigenetic modifications: Transgenerational inheritance and underlying molecular mechanisms. <i>Science of the Total Environment</i> , 2019, 656, 760-777.	3.9	106
2	Nanobiosensors: Point-of-care approaches for cancer diagnostics. <i>Biosensors and Bioelectronics</i> , 2019, 130, 147-165.	5.3	93
3	Ultrafine particulate matter impairs mitochondrial redox homeostasis and activates phosphatidylinositol 3-kinase mediated DNA damage responses in lymphocytes. <i>Environmental Pollution</i> , 2018, 234, 406-419.	3.7	66
4	Quantum Dot Based Nano-Biosensors for Detection of Circulating Cell Free miRNAs in Lung Carcinogenesis: From Biology to Clinical Translation. <i>Frontiers in Genetics</i> , 2018, 9, 616.	1.1	66
5	Exposure to ultrafine particulate matter induces NF- $\kappa$ B mediated epigenetic modifications. <i>Environmental Pollution</i> , 2019, 252, 39-50.	3.7	56
6	Evaluation of Cytotoxicity and Anticarcinogenic Potential of <i>Mentha</i> Leaf Extracts. <i>International Journal of Toxicology</i> , 2011, 30, 225-236.	0.6	55
7	Isocyanates induces DNA damage, apoptosis, oxidative stress, and inflammation in cultured human lymphocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2008, 22, 429-440.	1.4	51
8	Amorphous solid dispersion technique for improved drug delivery: basics to clinical applications. <i>Drug Delivery and Translational Research</i> , 2015, 5, 552-565.	3.0	45
9	Occult hepatitis B virus infection with low viremia induces DNA damage, apoptosis and oxidative stress in peripheral blood lymphocytes. <i>Virus Research</i> , 2010, 153, 143-150.	1.1	42
10	Role and clinical significance of lymphocyte mitochondrial dysfunction in type 2 diabetes mellitus. <i>Translational Research</i> , 2011, 158, 344-359.	2.2	42
11	Dendritic cell engineering for tumor immunotherapy: from biology to clinical translation. <i>Immunotherapy</i> , 2012, 4, 703-718.	1.0	40
12	Regulation of isocyanate-induced apoptosis, oxidative stress, and inflammation in cultured human neutrophils. <i>Cell Biology and Toxicology</i> , 2010, 26, 279-291.	2.4	38
13	Occult hepatitis C virus elicits mitochondrial oxidative stress in lymphocytes and triggers PI3-kinase-mediated DNA damage response. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1806-1814.	1.3	36
14	Cancer Chemopreventive Effects of the Flavonoid-Rich Fraction Isolated from Papaya Seeds. <i>Nutrition and Cancer</i> , 2014, 66, 857-871.	0.9	35
15	<i>In vitro</i> and <i>in vivo</i> evaluation of the anticarcinogenic and cancer chemopreventive potential of a flavonoid-rich fraction from a traditional Indian herb <i>Selaginella bryopteris</i> . <i>British Journal of Nutrition</i> , 2011, 106, 1154-1168.	1.2	34
16	Epigenetic Biomarkers for Risk Assessment of Particulate Matter Associated Lung Cancer. <i>Current Drug Targets</i> , 2018, 19, 1127-1147.	1.0	28
17	Emerging role of mitochondria in airborne particulate matter-induced immunotoxicity. <i>Environmental Pollution</i> , 2021, 270, 116242.	3.7	28
18	Inflammatory response to isocyanates and onset of genomic instability in cultured human lung fibroblasts. <i>Genetics and Molecular Research</i> , 2009, 8, 129-143.	0.3	28

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19	Imbalance of mitochondrial-nuclear cross talk in isocyanate mediated pulmonary endothelial cell dysfunction. <i>Redox Biology</i> , 2013, 1, 163-171.	3.9	24
20	Epigenetic dimension of oxygen radical injury in spermatogonial epithelial cells. <i>Reproductive Toxicology</i> , 2015, 52, 40-56.	1.3	24
21	Mapping the Mitochondrial Regulation of Epigenetic Modifications in Association With Carcinogenic and Noncarcinogenic Polycyclic Aromatic Hydrocarbon Exposure. <i>International Journal of Toxicology</i> , 2020, 39, 465-476.	0.6	22
22	Nano-engineered flavonoids for cancer protection. <i>Frontiers in Bioscience - Landmark</i> , 2019, 24, 1097-1157.	3.0	22
23	Induction of genomic instability in cultured human colon epithelial cells following exposure to isocyanates. <i>Cell Biology International</i> , 2009, 33, 675-683.	1.4	21
24	Status of Inflammatory Biomarkers in the Population that Survived the Bhopal Gas Tragedy: A Study after Two Decades. <i>Industrial Health</i> , 2010, 48, 204-208.	0.4	20
25	Circulating Biomarkers and their Possible Role in Pathogenesis of Chronic Hepatitis B and C Viral Infections. <i>Indian Journal of Clinical Biochemistry</i> , 2011, 26, 161-168.	0.9	20
26	Cell-Free Circulating Epigenomic Signatures: Non-Invasive Biomarker for Cardiovascular and Other Age-Related Chronic Diseases. <i>Current Pharmaceutical Design</i> , 2017, 23, 1175-1187.	0.9	20
27	Molecular detection of Mycobacterium tuberculosis in formalin-fixed, paraffin-embedded tissues and biopsies of gastrointestinal specimens using real-time polymerase chain reaction system. <i>Turkish Journal of Gastroenterology</i> , 2010, 21, 129-134.	0.4	19
28	Mitochondrial anomalies driver to age associated degenerative human ailments. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 769-793.	3.0	18
29	Quantum dot nanoconjugates for immuno-detection of circulating cell-free miRNAs. <i>Talanta</i> , 2020, 208, 120486.	2.9	17
30	Mitochondrial-induced Epigenetic Modifications: From Biology to Clinical Translation. <i>Current Pharmaceutical Design</i> , 2021, 27, 159-176.	0.9	17
31	Comparative assessment of lipid based nano-carrier systems for dendritic cell based targeting of tumor re-initiating cells in gynecological cancers. <i>Molecular Immunology</i> , 2016, 79, 98-112.	1.0	15
32	Point-of-care diagnostics approaches for detection of lung cancer-associated circulating miRNAs. <i>Drug Discovery Today</i> , 2021, 26, 1501-1509.	3.2	15
33	Surface-enhanced Raman scattering biosensors for detection of oncomiRs in breast cancer. <i>Drug Discovery Today</i> , 2022, 27, 2121-2136.	3.2	15
34	Role of mitochondrial oxidative stress on lymphocyte homeostasis in patients diagnosed with extra-pulmonary tuberculosis. <i>Cell Biology International</i> , 2016, 40, 166-176.	1.4	14
35	Impairment of Mitochondrial-Nuclear Cross Talk in Lymphocytes Exposed to Landfill Leachate. <i>Environmental Health Insights</i> , 2019, 13, 117863021983901.	0.6	13
36	Frequency of genetic alterations observed in cell cycle regulatory proteins and microsatellite instability in gallbladder adenocarcinoma: a translational perspective. <i>Asian Pacific Journal of Cancer Prevention</i> , 2011, 12, 573-4.	0.5	13

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37	Prevalence of hepatitis C virus genotypes and impact of T helper cytokines in achieving sustained virological response during combination therapy: A study from Central India. <i>Indian Journal of Medical Microbiology</i> , 2010, 28, 358-362.	0.3	12
38	Molecular surveillance of hepatitis and tuberculosis infections in a cohort exposed to methyl isocyanate. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2011, 24, 94-101.	0.6	12
39	Assessment of tumor antigen-loaded solid lipid nanoparticles as an efficient delivery system for dendritic cell engineering. <i>Nanomedicine</i> , 2013, 8, 1067-1084.	1.7	12
40	Nanoengineered strategies to optimize dendritic cells for gastrointestinal tumor immunotherapy: from biology to translational medicine. <i>Nanomedicine</i> , 2014, 9, 2187-2202.	1.7	12
41	Engineered dendritic cells for gastrointestinal tumor immunotherapy: opportunities in translational research. <i>Journal of Drug Targeting</i> , 2013, 21, 126-136.	2.1	11
42	Immuno-cytometric detection of circulating cell free methylated DNA, post-translationally modified histones and micro RNAs using semi-conducting nanocrystals. <i>Talanta</i> , 2021, 222, 121516.	2.9	11
43	Comparative profiling of epigenetic modifications among individuals living in different high and low air pollution zones: A pilot study from India. <i>Environmental Advances</i> , 2021, 4, 100052.	2.2	11
44	Lateral flow assay-based detection of long non-coding RNAs: A point-of-care platform for cancer diagnosis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114285.	1.4	11
45	Integrated mitoeptigenetic signalling mechanisms associated with airborne particulate matter exposure: A cross-sectional pilot study. <i>Atmospheric Pollution Research</i> , 2022, 13, 101399.	1.8	11
46	Fetal nucleic acids in maternal plasma from biology to clinical translation. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 397-431.	3.0	9
47	Prenatal exposure to environmental pro-oxidants induces mitochondria-mediated epigenetic changes: a cross-sectional pilot study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74133-74149.	2.7	9
48	Gold based nano-photonic approach for point-of-care detection of circulating long non-coding RNAs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102413.	1.7	8
49	<i>Clostridium perfringens</i> phospholipase C impairs innate immune response by inducing integrated stress response and mitochondrial-induced epigenetic modifications. <i>Cellular Signalling</i> , 2020, 75, 109776.	1.7	6
50	Pre-clinical Validation of Mito-targeted Nano-engineered Flavonoids Isolated From <i>Selaginella bryopteris</i> (Sanjeevani) As A Novel Cancer Prevention Strategy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 18, 1860-1874.	0.9	6
51	A photonic dual nano-hybrid assay for detection of cell-free circulating mitochondrial DNA. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 208, 114441.	1.4	6
52	Translation research in molecular disease diagnosis: Bridging gap from laboratory to practice. <i>Journal of Global Infectious Diseases</i> , 2011, 3, 205.	0.2	5
53	Molecular bio-dosimetry for carcinogenic risk assessment in survivors of Bhopal gas tragedy. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2015, 28, 921-939.	0.6	5
54	Novel Approach for Quantification of Hepatitis C Virus in Liver Cirrhosis Using Real-Time Reverse Transcriptase PCR. <i>Journal of Gastrointestinal Surgery</i> , 2012, 16, 142-147.	0.9	4

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55	Environmental Impact on Reproductive Health: Can Biomarkers Offer Any Help?. Journal of Reproduction and Infertility, 2017, 18, 336-340.	1.0	4
56	Immune cell engineering: opportunities in lung cancer therapeutics. Drug Delivery and Translational Research, 2020, 10, 1203-1227.	3.0	3
57	A novel FRET probe-based approach for identification, quantification, and characterization of occult HCV infections in patients with cryptogenic liver cirrhosis. Indian Journal of Pathology and Microbiology, 2011, 54, 420.	0.1	3
58	Ascertaining the prevalence of occult hepatitis B virus infection in voluntary blood donors: A study from Central India. Indian Journal of Pathology and Microbiology, 2011, 54, 408.	0.1	3
59	Nano-engineered vitamins as a potential epigenetic modifier against environmental air pollutants. Reviews on Environmental Health, 2022, .	1.1	2
60	Molecular detection of window phase hepatitis C virus infection in voluntary blood donors and health care workers in a cohort from Central India. Indian Journal of Community Medicine, 2014, 39, 51.	0.2	1
61	Dendritic cell engineering for selective targeting of female reproductive tract cancers. Indian Journal of Medical Research, 2018, 148, S50-S63.	0.4	1
62	Bhopal (1984): Cancer Risk Among Survivors and Opportunities for Translational Environmental Health Research. Air Pollution Reviews, 2017, , 101-127.	0.1	0