

# Nathalie Grova

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,298  
citations

331538

21  
h-index

360920

35  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Polycyclic Aromatic Hydrocarbon Levels in Milk Collected Near Potential Contamination Sources. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4640-4642.	2.4	89
2	Hair analysis for the biomonitoring of pesticide exposure: comparison with blood and urine in a rat model. <i>Archives of Toxicology</i> , 2017, 91, 2813-2825.	1.9	81
3	Chemical Evaluation of Electronic Cigarettes: Multicomponent Analysis of Liquid Refills and their Corresponding Aerosols. <i>Journal of Analytical Toxicology</i> , 2017, 41, 670-678.	1.7	77
4	Modulation of behavior and NMDA-R1 gene mRNA expression in adult female mice after sub-acute administration of benzo(a)pyrene. <i>NeuroToxicology</i> , 2007, 28, 630-636.	1.4	74
5	Epigenetic and Neurological Impairments Associated with Early Life Exposure to Persistent Organic Pollutants. <i>International Journal of Genomics</i> , 2019, 2019, 1-19.	0.8	74
6	Genetic and epigenetic alterations in normal and sensitive COPD-diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM 2.5. <i>Environmental Pollution</i> , 2017, 230, 163-177.	3.7	73
7	Differential responses of healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM4. <i>Environmental Pollution</i> , 2016, 218, 1074-1088.	3.7	58
8	Milk, urine and faeces excretion kinetics in lactating goats after an oral administration of aromatic hydrocarbons. <i>International Dairy Journal</i> , 2002, 12, 1025-1031.	1.5	57
9	Determination of Phenanthrene and Hydroxyphenanthrenes in Various Biological Matrices at Trace Levels using Gas Chromatography-Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2005, 29, 175-181.	1.7	44
10	Gas Chromatography-Mass Spectrometry Study of Polycyclic Aromatic Hydrocarbons in Grass and Milk from Urban and Rural Farms. <i>European Journal of Mass Spectrometry</i> , 2000, 6, 457-460.	0.5	41
11	Sub-acute administration of benzo[a]pyrene (B[a]P) reduces anxiety-related behaviour in adult mice and modulates regional expression of N-methyl-D-aspartate (NMDA) receptors genes in relevant brain regions. <i>Chemosphere</i> , 2008, 73, S295-S302.	4.2	41
12	Determination of PAHs and OH-PAHs in Rat Brain by Gas Chromatography Tandem (Triple Quadrupole) Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2011, 24, 1653-1667.	1.7	39
13	The COVID-19 Pandemic: Does Our Early Life Environment, Life Trajectory and Socioeconomic Status Determine Disease Susceptibility and Severity?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5094.	1.8	39
14	Milk and Urine Excretion of Polycyclic Aromatic Hydrocarbons and Their Hydroxylated Metabolites After a Single Oral Administration in Ruminants. <i>Journal of Dairy Science</i> , 2007, 90, 2624-2629.	1.4	38
15	Portal absorption of <sup>14</sup> C after ingestion of spiked milk with <sup>14</sup> C-phenanthrene, <sup>14</sup> C-benzo[a]pyrene or <sup>14</sup> C-TCDD in growing pigs. <i>Chemosphere</i> , 2002, 48, 843-848.	4.2	32
16	Modulation of carcinogen bioavailability by immunisation with benzo[a]pyrene-conjugate vaccines. <i>Vaccine</i> , 2009, 27, 4142-4151.	1.7	31
17	Effect of oral exposure to polycyclic aromatic hydrocarbons on goat's milk contamination. <i>Agronomy for Sustainable Development</i> , 2006, 26, 195-199.	2.2	27
18	Neurobehavioral Toxicity of a Repeated Exposure (14 Days) to the Airborne Polycyclic Aromatic Hydrocarbon Fluorene in Adult Wistar Male Rats. <i>PLoS ONE</i> , 2013, 8, e71413.	1.1	24

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19	Exposure to Polycyclic Aromatic Hydrocarbons Leads to Non-monotonic Modulation of DNA and RNA (hydroxy)methylation in a Rat Model. <i>Scientific Reports</i> , 2018, 8, 10577.	1.6	24
20	Gas chromatography-tandem mass spectrometry analysis of 52 monohydroxylated metabolites of polycyclic aromatic hydrocarbons in hairs of rats after controlled exposure. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8897-8911.	1.9	23
21	Modulation of Benzo[a]pyrene induced immunotoxicity in mice actively immunized with a B[a]P-diphtheria toxoid conjugate. <i>Toxicology and Applied Pharmacology</i> , 2009, 240, 37-45.	1.3	21
22	Influence of pesticide physicochemical properties on the association between plasma and hair concentration. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3601-3612.	1.9	21
23	New insights into urine-based assessment of polycyclic aromatic hydrocarbon-exposure from a rat model: Identification of relevant metabolites and influence of elimination kinetics. <i>Environmental Pollution</i> , 2017, 228, 484-495.	3.7	19
24	Polycyclic Aromatic Hydrocarbons Can Trigger Hepatocyte Release of Extracellular Vesicles by Various Mechanisms of Action Depending on Their Affinity for the Aryl Hydrocarbon Receptor. <i>Toxicological Sciences</i> , 2019, 171, 443-462.	1.4	18
25	Modulation of benzo[a]pyrene induced neurotoxicity in female mice actively immunized with a B[a]P-diphtheria toxoid conjugate. <i>Toxicology and Applied Pharmacology</i> , 2013, 271, 175-183.	1.3	17
26	Behavioral toxicity and physiological changes from repeated exposure to fluorene administered orally or intraperitoneally to adult male Wistar rats: A dose-response study. <i>NeuroToxicology</i> , 2016, 53, 321-333.	1.4	17
27	Analysis of tetrahydroxylated benzo[a]pyrene isomers in hair as biomarkers of exposure to benzo[a]pyrene. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1997-2008.	1.9	16
28	Role for the ATPase inhibitory factor 1 in the environmental carcinogen-induced Warburg phenotype. <i>Scientific Reports</i> , 2017, 7, 195.	1.6	15
29	PAHs increase the production of extracellular vesicles both <i>in vitro</i> in endothelial cells and <i>in vivo</i> in urines from rats. <i>Environmental Pollution</i> , 2019, 255, 113171.	3.7	15
30	Ultra performance liquid chromatography-tandem mass spectrometer method applied to the analysis of both thyroid and steroid hormones in human hair. <i>Journal of Chromatography A</i> , 2020, 1612, 460648.	1.8	15
31	N6-Methyladenine in Eukaryotic DNA: Tissue Distribution, Early Embryo Development, and Neuronal Toxicity. <i>Frontiers in Genetics</i> , 2021, 12, 657171.	1.1	15
32	Tetrahydroxylated-benzo[a]pyrene isomer analysis after hydrolysis of DNA-adducts isolated from rat and human white blood cells. <i>Journal of Chromatography A</i> , 2014, 1364, 183-191.	1.8	14
33	Short-term effects of a perinatal exposure to a 16 polycyclic aromatic hydrocarbon mixture in rats: Assessment of early motor and sensorial development and cerebral cytochrome oxidase activity in pups. <i>NeuroToxicology</i> , 2014, 43, 90-101.	1.4	13
34	Hair analysis for the biomonitoring of polycyclic aromatic hydrocarbon exposure: comparison with urinary metabolites and DNA adducts in a rat model. <i>Archives of Toxicology</i> , 2018, 92, 3061-3075.	1.9	13
35	Inhibitory Action of Benzo[a]pyrene on Hepatic Lipoprotein Receptors <i>In Vitro</i> and on Liver Lipid Homeostasis in Mice. <i>PLoS ONE</i> , 2014, 9, e102991.	1.1	12
36	Identification of new tetrahydroxylated metabolites of Polycyclic Aromatic Hydrocarbons in hair as biomarkers of exposure and signature of DNA adduct levels. <i>Analytica Chimica Acta</i> , 2017, 995, 65-76.	2.6	12

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37	Blood pharmacokinetic of 17 common pesticides in mixture following a single oral exposure in rats: implications for human biomonitoring and exposure assessment. Archives of Toxicology, 2019, 93, 2849-2862.	1.9	9
38	Mechanisms involved in the death of steatotic WIF-B9 hepatocytes co-exposed to benzo[a]pyrene and ethanol: a possible key role for xenobiotic metabolism and nitric oxide. Free Radical Biology and Medicine, 2018, 129, 323-337.	1.3	8
39	Le transfert des micropolluants organiques dans la chaîne alimentaire Etat et perspectives de recherche. Oleagineux Corps Gras Lipides, 2000, 7, 431-435.	0.2	6
40	Assessment of 9-OH- and 7,8-diol-benzo[a]pyrene in Blood as Potent Markers of Cognitive Impairment Related to benzo[a]pyrene Exposure: An Animal Model Study. Toxics, 2021, 9, 50.	1.6	6
41	Brominated flame retardants, a cornelian dilemma. Environmental Chemistry Letters, 2023, 21, 9-14.	8.3	6
42	Short- and long-term effects of a neonatal exposure to benzo(a)pyrene (BaP) or 3,3',4,4'-pentachlorobiphenyl (PCB126) on behaviour of rat pups. Toxicology Letters, 2006, 164, S80-S81.	0.4	5
43	Head-to-Head Study of Developmental Neurotoxicity and Resultant Phenotype in Rats: Î±-Hexabromocyclododecane versus Valproic Acid, a Recognized Model of Reference for Autism Spectrum Disorders. Toxics, 2022, 10, 180.	1.6	5
44	Milk~Arterial Plasma Transfer of PCDDs and PCDFs in Pigs. Journal of Agricultural and Food Chemistry, 2002, 50, 1695-1699.	2.4	4
45	TRANSFER OF PHENANTHRENE AND ITS HYDROXYLATED METABOLITES TO MILK, URINE AND FAECES. Polycyclic Aromatic Compounds, 2008, 28, 98-111.	1.4	4
46	Immunogenicity of a Promiscuous T Cell Epitope Peptide Based Conjugate Vaccine against Benzo[a]pyrene: Redirecting Antibodies to the Hapten. PLoS ONE, 2012, 7, e38329.	1.1	4
47	Evaluation of the Risk of PAHs and Dioxins Transfer to Humans via the Dairy Ruminant. , 2005, , 419-430.		1
48	Exposure to environmental levels of polycyclic aromatic hydrocarbons leads to epigenetic modulation in a rat model. Toxicology Letters, 2018, 295, S56.	0.4	1
49	O10: Pesticide concentration in hair of animals under controlled exposure. Toxicologie Analytique Et Clinique, 2014, 26, S9.	0.1	0
50	Significant weight gain in mice exposed to the pollutant benzo[a]pyrene is associated with modifications in hepatic lipoprotein receptors and lipid status. FASEB Journal, 2013, 27, lb118.	0.2	0