

Sofia Pavanello

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

3,129
citations

172457

29
h-index

168389

53
g-index

101
all docs

101
docs citations

101
times ranked

5901
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	2.8	239
2	Analysis of Heritability and Shared Heritability Based on Genome-Wide Association Studies for Thirteen Cancer Types. <i>Journal of the National Cancer Institute</i> , 2015, 107, djv279.	6.3	152
3	Biological indicators of genotoxic risk and metabolic polymorphisms. <i>Mutation Research - Reviews in Mutation Research</i> , 2000, 463, 285-308.	5.5	151
4	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88.	2.8	149
5	Shortened telomeres in individuals with abuse in alcohol consumption. <i>International Journal of Cancer</i> , 2011, 129, 983-992.	5.1	139
6	Genome-wide association study identifies multiple loci associated with bladder cancer risk. <i>Human Molecular Genetics</i> , 2014, 23, 1387-1398.	2.9	137
7	Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 453-475.	4.7	137
8	Global and gene-specific promoter methylation changes are related to anti-B[a]PDE-DNA adduct levels and influence micronuclei levels in polycyclic aromatic hydrocarbon-exposed individuals. <i>International Journal of Cancer</i> , 2009, 125, 1692-1697.	5.1	136
9	Shorter telomere length in peripheral blood lymphocytes of workers exposed to polycyclic aromatic hydrocarbons. <i>Carcinogenesis</i> , 2010, 31, 216-221.	2.8	132
10	Imputation and subset-based association analysis across different cancer types identifies multiple independent risk loci in the TERT-CLPTM1L region on chromosome 5p15.33. <i>Human Molecular Genetics</i> , 2014, 23, 6616-6633.	2.9	90
11	Mitochondrial DNA Copy Number and Exposure to Polycyclic Aromatic Hydrocarbons. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 1722-1729.	2.5	75
12	Reduced nucleotide excision repair and GSTM1-null genotypes influence anti-B[a]PDE-DNA adduct levels in mononuclear white blood cells of highly PAH-exposed coke oven workers. <i>Carcinogenesis</i> , 2004, 26, 169-175.	2.8	71
13	Urinary profiles to assess polycyclic aromatic hydrocarbons exposure in coke-oven workers. <i>Toxicology Letters</i> , 2010, 192, 72-78.	0.8	64
14	Environmental and biological monitoring of traffic wardens from the city of Rome. <i>Occupational Medicine</i> , 2001, 51, 198-203.	1.4	61
15	HPLC/fluorescence determination of anti-BPDE-DNA adducts in mononuclear white blood cells from PAH-exposed humans. <i>Carcinogenesis</i> , 1999, 20, 431-435.	2.8	59
16	Influence of the genetic polymorphism in the 5'-noncoding region of the CYP1A2 gene on CYP1A2 phenotype and urinary mutagenicity in smokers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 587, 59-66.	1.7	57
17	Lung cancer risk in workers exposed to poly(vinyl chloride) dust: a nested case-referent study. <i>Occupational and Environmental Medicine</i> , 2003, 60, 423-428.	2.8	50
18	Genome-wide interaction study of smoking and bladder cancer risk. <i>Carcinogenesis</i> , 2014, 35, 1737-1744.	2.8	50

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19	CYP1A2 polymorphisms, occupational and environmental exposures and risk of bladder cancer. <i>European Journal of Epidemiology</i> , 2010, 25, 491-500.	5.7	48
20	Urinary polycyclic aromatic hydrocarbons and monohydroxy metabolites as biomarkers of exposure in coke oven workers. <i>Occupational and Environmental Medicine</i> , 2009, 66, 509-516.	2.8	47
21	Extracellular vesicle-driven information mediates the long-term effects of particulate matter exposure on coagulation and inflammation pathways. <i>Toxicology Letters</i> , 2016, 259, 143-150.	0.8	39
22	Inflammatory Long Pentraxin 3 is Associated with Leukocyte Telomere Length in Night-Shift Workers. <i>Frontiers in Immunology</i> , 2017, 8, 516.	4.8	39
23	Identification of a novel susceptibility locus at 13q34 and refinement of the 20p12.2 region as a multi-signal locus associated with bladder cancer risk in individuals of European ancestry. <i>Human Molecular Genetics</i> , 2016, 25, 1203-1214.	2.9	38
24	Micronuclei and chromosome aberrations in subjects occupationally exposed to antineoplastic drugs: a multicentric approach. <i>International Archives of Occupational and Environmental Health</i> , 2015, 88, 683-695.	2.3	37
25	Determinants of anti-benzo[a]pyrene diol epoxide-DNA adduct formation in lymphomonocytes of the general population. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 611, 54-63.	1.7	36
26	Role of CYP1A2 polymorphisms on lung cancer risk in a prospective study. <i>Cancer Genetics</i> , 2012, 205, 278-284.	0.4	36
27	Micronuclei Related to Anti-B[a]PDE-DNA Adduct in Peripheral Blood Lymphocytes of Heavily Polycyclic Aromatic Hydrocarbon-Exposed Nonsmoking Coke-Oven Workers and Controls. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 2795-2799.	2.5	35
28	CYP1A2 genetic polymorphisms and adenocarcinoma lung cancer risk in the Tunisian population. <i>Life Sciences</i> , 2009, 84, 779-784.	4.3	34
29	Urinary carcinogenic 4-6 ring polycyclic aromatic hydrocarbons in coke oven workers and in subjects belonging to the general population: Role of occupational and environmental exposure. <i>International Journal of Hygiene and Environmental Health</i> , 2014, 217, 231-238.	4.3	30
30	Exploring Epigenetic Age in Response to Intensive Relaxing Training: A Pilot Study to Slow Down Biological Age. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3074.	2.6	30
31	Detection of benzo[a]pyrene-diol-epoxide-DNA adducts in white blood cells of psoriatic patients treated with coal tar. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1992, 281, 11-16.	1.1	29
32	Genomic instability: Crossing pathways at the origin of structural and numerical chromosome changes. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 563-580.	2.2	29
33	DNA repair in human lymphocytes treated in vitro with (±)-anti- and (±)-syn-benzol[a]pyrene diolepoxide. <i>Mutation Research DNA Repair</i> , 1993, 294, 117-126.	3.7	28
34	Interaction between CYP1A2-T2467DELTA polymorphism and smoking in adenocarcinoma and squamous cell carcinoma of the lung. <i>Lung Cancer</i> , 2007, 57, 266-272.	2.0	28
35	Role of CYP1A2 polymorphisms in breast cancer risk in women. <i>Molecular Medicine Reports</i> , 2013, 7, 280-286.	2.4	28
36	The 19q12 Bladder Cancer GWAS Signal: Association with Cyclin E Function and Aggressive Disease. <i>Cancer Research</i> , 2014, 74, 5808-5818.	0.9	24

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37	The effects of everyday-life exposure to polycyclic aromatic hydrocarbons on biological age indicators. <i>Environmental Health</i> , 2020, 19, 128.	4.0	24
38	GSTM1 null genotype as a risk factor for anti-BPDE-DNA adduct formation in mononuclear white blood cells of coke-oven workers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 558, 53-62.	1.7	23
39	The biological age of the heart is consistently younger than chronological age. <i>Scientific Reports</i> , 2020, 10, 10752.	3.3	23
40	Non-smoking coke oven workers show an occupational PAH exposure-related increase in urinary mutagens. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 562, 103-110.	1.7	22
41	A study protocol for the evaluation of occupational mutagenic/carcinogenic risks in subjects exposed to antineoplastic drugs: a multicentric project. <i>BMC Public Health</i> , 2011, 11, 195.	2.9	22
42	Influence of GSTM1 genotypes on anti-BPDE-DNA adduct levels in mononuclear white blood cells of humans exposed to PAH. <i>International Archives of Occupational and Environmental Health</i> , 1999, 72, 238-246.	2.3	21
43	Influence of metabolic genotype GSTM1 on levels of urinary mutagens in patients treated topically with coal tar. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 440, 27-33.	1.7	19
44	Role of metabolic polymorphisms NAT2 and CYP1A2 on urinary mutagenicity after a pan-fried hamburger meal. <i>Food and Chemical Toxicology</i> , 2002, 40, 1139-1144.	3.6	19
45	Higher Number of Night Shifts Associates with Good Perception of Work Capacity and Optimal Lung Function but Correlates with Increased Oxidative Damage and Telomere Attrition. <i>BioMed Research International</i> , 2019, 2019, 1-10.	1.9	19
46	Polyaromatic Hydrocarbons Administered in Humans by Dermal Route Increase Total IgE. <i>International Journal of Immunopathology and Pharmacology</i> , 2003, 16, 145-150.	2.1	18
47	Influence of GSTM1 null and low repair XPC PAT+ on anti-B[a]PDE-DNA adduct in mononuclear white blood cells of subjects low exposed to PAHs through smoking and diet. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 638, 195-204.	1.0	18
48	Relationship between Telomere Length, Genetic Traits and Environmental/Occupational Exposures in Bladder Cancer Risk by Structural Equation Modelling. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 5.	2.6	18
49	Complex Relationships between Occupation, Environment, DNA Adducts, Genetic Polymorphisms and Bladder Cancer in a Case-Control Study Using a Structural Equation Modeling. <i>PLoS ONE</i> , 2014, 9, e94566.	2.5	18
50	Urinary mutagenicity on TA98 and YG1024 <i>Salmonella typhimurium</i> strains after a hamburger meal: influence of GSTM1 and NAT2 genotypes. <i>Mutagenesis</i> , 1998, 13, 187-191.	2.6	17
51	Tobacco-smoke exposure indicators and urinary mutagenicity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 521, 1-9.	1.7	17
52	Exposure to diesel exhaust enhances total IgE in non-atopic dockers. <i>International Archives of Occupational and Environmental Health</i> , 2003, 76, 63-68.	2.3	17
53	Evidence for substantial formation of r-7, t-8-dihydroxy-c-9,10-oxy-7,8,9,10-tetrahydrobenzo[a]pyrene-deoxyguanosine in human lymphocytes treated in vitro with benzo[a]pyrene. <i>Carcinogenesis</i> , 1989, 10, 945-947.	2.8	16
54	Association between a urinary biomarker for exposure to PAH and blood level of the acute phase protein serum amyloid A in coke oven workers. <i>Environmental Health</i> , 2019, 18, 81.	4.0	15

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55	Sterol 27-Hydroxylase Polymorphism Significantly Associates With Shorter Telomere, Higher Cardiovascular and Type-2 Diabetes Risk in Obese Subjects. <i>Frontiers in Endocrinology</i> , 2018, 9, 309.	3.5	14
56	Biological monitoring of carcinogens: current status and perspectives. <i>Archives of Toxicology</i> , 2012, 86, 535-541.	4.2	12
57	Alcohol drinking, mean corpuscular volume of erythrocytes, and alcohol metabolic genotypes in drunk drivers. <i>Alcohol</i> , 2012, 46, 61-68.	1.7	12
58	The Italian National Surveillance System for Occupational Injuries: Conceptual Framework and Fatal Outcomes, 2002â€“2016. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7631.	2.6	12
59	An etiologic prediction model incorporating biomarkers to predict the bladder cancer risk associated with occupational exposure to aromatic amines: a pilot study. <i>Journal of Occupational Medicine and Toxicology</i> , 2017, 12, 23.	2.2	11
60	Longer Leukocytes Telomere Length Predicts a Significant Survival Advantage in the Elderly TRELONG Cohort, with Short Physical Performance Battery Score and Years of Education as Main Determinants for Telomere Elongation. <i>Journal of Clinical Medicine</i> , 2021, 10, 3700.	2.4	10
61	Exposure levels and cytochrome P450 1A2 activity, but not N-acetyltransferase, glutathione S-transferase (GST) M1 and T1, influence urinary mutagen excretion in smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2002, 11, 998-1003.	2.5	10
62	Mutagenic activity of overnight urine from healthy non-smoking subjects. <i>Environmental and Molecular Mutagenesis</i> , 2007, 48, 143-150.	2.2	9
63	Multiple single nucleotide polymorphisms of the transient receptor potential vanilloid 1 (TRPV1) genes associate with cough sensitivity to capsaicin in healthy subjects. <i>Pulmonary Pharmacology and Therapeutics</i> , 2020, 61, 101889.	2.6	9
64	Leucocytes telomere length and breast cancer risk/ susceptibility: A case-control study. <i>PLoS ONE</i> , 2018, 13, e0197522.	2.5	8
65	BaP Metabolism and DNA-adduct Formation in Cultured Human Lymphocytes Treated In Vitro with BaP and (-)-BaP-7,8-dihydrodiol. <i>ATLA Alternatives To Laboratory Animals</i> , 1992, 20, 126-137.	1.0	8
66	Breast Cancer Association with CYP1A2 Activity and Gene Polymorphisms - a Preliminary Case-control Study in Tunisia. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 3559-3563.	1.2	8
67	Transient Receptor Potential Vanilloid Subtype 1: Potential Role in Infection, Susceptibility, Symptoms and Treatment of COVID-19. <i>Frontiers in Medicine</i> , 2021, 8, 753819.	2.6	8
68	DNA Methylation - and Telomere - Based Biological Age Estimation as Markers of Biological Aging in Donors Kidneys. <i>Frontiers in Medicine</i> , 2022, 9, 832411.	2.6	7
69	Coal tar therapy does not influence in vitro benzo[a]pyrene metabolism and DNA adduct formation in peripheral blood lymphocytes of psoriatic patients. <i>Carcinogenesis</i> , 1992, 13, 1569-1573.	2.8	6
70	Yellow fever vaccine 17D administered to healthy women aged between 40 and 54 years halves breast cancer risk: an observational study. <i>European Journal of Cancer Prevention</i> , 2018, 27, 303-309.	1.3	6
71	Modulation of TRPV-1 by prostaglandin-E2 and bradykinin changes cough sensitivity and autonomic regulation of cardiac rhythm in healthy subjects. <i>Scientific Reports</i> , 2020, 10, 15163.	3.3	6
72	Cytotoxic and mutagenic effects of anti- and syn-benzo[a]pyrene diol epoxide in human lymphocytes. <i>Toxicology in Vitro</i> , 1994, 8, 1269-1275.	2.4	5

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73	How to prevent immunological reactions in leprosy patients and interrupt transmission of <i>Mycobacterium leprae</i> to healthy subjects: Two hypotheses. <i>Medical Hypotheses</i> , 2008, 71, 551-563.	1.5	5
74	Impact of Occupational Exposures and Genetic Polymorphisms on Recurrence and Progression of Non-Muscle-Invasive Bladder Cancer. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1563.	2.6	5
75	Urinary Mercapturic Acids to Assess Exposure to Benzene and Other Volatile Organic Compounds in Coke Oven Workers. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1801.	2.6	5
76	DNA Methylation-Based Age Prediction and Telomere Length Reveal an Accelerated Aging in Induced Sputum Cells Compared to Blood Leukocytes: A Pilot Study in COPD Patients. <i>Frontiers in Medicine</i> , 2021, 8, 690312.	2.6	5
77	Relationship between benzo(a)pyrene-DNA adducts and somatic mutation and recombination in <i>Drosophila melanogaster</i> . <i>Environmental and Molecular Mutagenesis</i> , 1994, 23, 171-178.	2.2	4
78	The applications of DNA methylation as a biomarker in kidney transplantation: a systematic review. <i>Clinical Epigenetics</i> , 2022, 14, 20.	4.1	4
79	Metabolic and DNA Repair Variations in Susceptibility to Genotoxins. <i>Polycyclic Aromatic Compounds</i> , 2003, 23, 49-107.	2.6	3
80	Biomonitoring exposures to carcinogens. , 2014, , 785-798.		3
81	Molecular and epigenetic markers as promising tools to quantify the effect of occupational exposures and the risk of developing non-communicable diseases. <i>Medicina Del Lavoro</i> , 2019, 110, 168-190.	0.4	3
82	Metabolic consequences of adenine-phosphoribosyl transferase deficiency in V79 hamster fibroblasts. <i>Experimental Cell Research</i> , 1992, 203, 336-343.	2.6	2
83	Determination of Anti-Bpde-DNA Adducts in Pah-Exposed Humans using the HPLC/Fluorescence Technique. <i>Polycyclic Aromatic Compounds</i> , 1999, 17, 73-83.	2.6	2
84	Influence of CYP1A2 and NAT2 Metabolic Phenotypes on Smokers' Urinary Mutagenicity. <i>Polycyclic Aromatic Compounds</i> , 2002, 22, 981-990.	2.6	2
85	Internal exposure to carcinogenic polycyclic aromatic hydrocarbons and DNA damage. <i>Archives of Toxicology</i> , 2013, 87, 551-553.	4.2	2
86	Biomonitoring Exposures to Carcinogens. , 2019, , 789-805.		2
87	Association between leukocyte telomere length (LTL) and functional decline in patients with Idiopathic Pulmonary Fibrosis (IPF) on antifibrotic treatment. , 2019, , .		1
88	P129â€¦Role of telomere length within the complex relationship between genetic traits and environmental/occupational exposures in bladder cancer risk. , 2016, , .		0
89	Abstract LB-397: Shortened telomeres in subjects with heavy alcohol consumption. , 2010, , .		0
90	DNA METHYLATION IN BLOOD LYMPHOCYTES AND RISK OF LUNG CANCER. ISEE Conference Abstracts, 2011, 2011, .	0.0	0

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91	Predictors of response to pirfenidone treatment in patients with idiopathic pulmonary fibrosis (IPF). , 2016, , .		0
92	The Italian National Surveillance System for Occupational Injuries: Conceptual Framework and Fatal Outcomes, 2002-2016. SSRN Electronic Journal, 0, , .	0.4	0
93	A rejuvenation effect of the antifibrotic therapy correlates with lung function improvement in IPF patients. , 2021, , .		0
94	Modulation of transient receptor potential vanilloid-1 (TRPV1) by inhaled prostaglandin-E2 (PGE2) and bradykinin (BK) is associated with increased cough sensitivity to capsaicin (CPS) and autonomic dysregulation of cardiac rhythm in healthy subjects. , 2020, , .		0