

Annamaria Colacci

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

1,916
citations

25
h-index

40
g-index

117
ext. papers

2,270
ext. citations

4.5
avg, IF

3.76
L-index

#	Paper	IF	Citations
100	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S254-96	4.6	176
99	Environmental immune disruptors, inflammation and cancer risk. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S232-43	4.6	137
98	E-cigarettes induce toxicological effects that can raise the cancer risk. <i>Scientific Reports</i> , 2017 , 7, 2028	4.9	101
97	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S61-88	4.6	100
96	The effect of environmental chemicals on the tumor microenvironment. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S160-83	4.6	79
95	On the dynamics of random Boolean networks subject to noise: attractors, ergodic sets and cell types. <i>Journal of Theoretical Biology</i> , 2010 , 265, 185-93	2.3	79
94	Metabolic reprogramming and dysregulated metabolism: cause, consequence and/or enabler of environmental carcinogenesis?. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S203-31	4.6	61
93	Multidrug resistance and malignancy in human osteosarcoma. <i>Cancer Research</i> , 1996 , 56, 2434-9	10.1	60
92	In vivo and in vitro binding of benzene to nucleic acids and proteins of various rat and mouse organs. <i>Cancer Letters</i> , 1985 , 28, 159-68	9.9	50
91	Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S2-18	4.6	44
90	Dynamical properties of a boolean model of gene regulatory network with memory. <i>Journal of Computational Biology</i> , 2011 , 18, 1291-303	1.7	38
89	International regulatory needs for development of an IATA for non-genotoxic carcinogenic chemical substances. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016 , 33, 359-392	4.3	36
88	Chemical compounds from anthropogenic environment and immune evasion mechanisms: potential interactions. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S111-27	4.6	34
87	In vivo and in vitro binding of 1,2-dibromoethane and 1,2-dichloroethane to macromolecules in rat and mouse organs. <i>Journal of Cancer Research and Clinical Oncology</i> , 1984 , 108, 204-13	4.9	34
86	Cell-cell interaction and diversity of emergent behaviours. <i>IET Systems Biology</i> , 2011 , 5, 137-44	1.4	30
85	The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S128-59	4.6	29
84	Moving forward in carcinogenicity assessment: Report of an EURL ECVAM/ESTIV workshop. <i>Toxicology in Vitro</i> , 2017 , 45, 278-286	3.6	29

83	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: focus on the cancer hallmark of tumor angiogenesis. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S184-202	4.6	28
82	In vitro cytotoxic and cell transforming activities exerted by the pesticides cyanazine, dithianon, diflubenzuron, procymidone, and vinclozolin on BALB/c 3T3 cells. <i>Environmental and Molecular Mutagenesis</i> , 1993 , 21, 81-6	3.2	28
81	The potential for chemical mixtures from the environment to enable the cancer hallmark of sustained proliferative signalling. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S38-60	4.6	27
80	Disruptive chemicals, senescence and immortality. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S19-37	4.6	26
79	Cancer-related genes transcriptionally induced by the fungicide penconazole. <i>Toxicology in Vitro</i> , 2014 , 28, 125-30	3.6	26
78	BALB/c 3T3 cell transformation assay for the prediction of carcinogenic potential of chemicals and environmental mixtures. <i>Toxicology in Vitro</i> , 2010 , 24, 1292-300	3.6	26
77	Benzene adducts with rat nucleic acids and proteins: dose-response relationship after treatment in vivo. <i>Environmental Health Perspectives</i> , 1989 , 82, 259-66	8.4	26
76	Disruptive environmental chemicals and cellular mechanisms that confer resistance to cell death. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S89-110	4.6	25
75	The micronucleus assay as a biological dosimeter in hospital workers exposed to low doses of ionizing radiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 747, 7-13	3	24
74	Chemical carcinogen safety testing: OECD expert group international consensus on the development of an integrated approach for the testing and assessment of chemical non-genotoxic carcinogens. <i>Archives of Toxicology</i> , 2020 , 94, 2899-2923	5.8	22
73	Robustness analysis of a Boolean model of gene regulatory network with memory. <i>Journal of Computational Biology</i> , 2011 , 18, 559-77	1.7	22
72	Genetic safety evaluation of pesticides in different short-term tests. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1994 , 321, 219-28		22
71	Uncertainties of testing methods: What do we (want to) know about carcinogenicity?. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017 , 34, 235-252	4.3	22
70	Evaluation of genotoxic effects of the herbicide dicamba using in vivo and in vitro test systems. <i>Environmental and Molecular Mutagenesis</i> , 1990 , 15, 131-5	3.2	21
69	In vivo unwinding fluorimetric assay as evidence of the damage induced by fenarimol and DNOC in rat liver DNA. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1991 , 34, 485-94	3.2	20
68	Gene expression changes in medical workers exposed to radiation. <i>Radiation Research</i> , 2009 , 172, 500-8	3.1	19
67	Identification of pathway-based toxicity in the BALB/c 3T3 cell model. <i>Toxicology in Vitro</i> , 2015 , 29, 1240-53	3.5	18
66	Gene expression time-series analysis of camptothecin effects in U87-MG and DBTRG-05 glioblastoma cell lines. <i>Molecular Cancer</i> , 2008 , 7, 66	42.1	18

65	In vitro microsome- and cytosol-mediated binding of 1,2-dichloroethane and 1,2-dibromoethane with DNA. <i>Cell Biology and Toxicology</i> , 1985 , 1, 45-55	7.4	17
64	A cDNA-microarray analysis of camptothecin resistance in glioblastoma cell lines. <i>Cancer Letters</i> , 2006 , 231, 74-86	9.9	16
63	Transformation of BALB/c 3T3 cells in vitro by the fungicides captan, captafol and folpet. <i>Japanese Journal of Cancer Research</i> , 1995 , 86, 941-7		15
62	The covalent binding of 1,1,2,2-tetrachloroethane to macromolecules of rat and mouse organs. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1987 , 7, 465-74		15
61	Cytotoxic activity and transformation of BALB/c 3T3 cells in vitro by the insecticide acephate. <i>Cancer Letters</i> , 1996 , 106, 147-53	9.9	14
60	The Different Genotoxicity of P-Dichlorobenzene in Mouse and Rat: Measurement of the in Vivo and in Vitro Covalent Interaction with Nucleic Acids. <i>Tumori</i> , 1989 , 75, 305-310	1.7	14
59	The simulation of gene knock-out in scale-free random Boolean models of genetic networks. <i>Networks and Heterogeneous Media</i> , 2008 , 3, 333-343	1.6	14
58	In vivo and in vitro binding of epichlorohydrin to nucleic acids. <i>Cancer Letters</i> , 1984 , 23, 81-90	9.9	13
57	The Diffusion of Perturbations in a Model of Coupled Random Boolean Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 315-322	0.9	13
56	Angiopoietin-2 expression in B-cell chronic lymphocytic leukemia: association with clinical outcome and immunoglobulin heavy-chain mutational status. <i>Leukemia</i> , 2007 , 21, 1312-5	10.7	12
55	In vitro transforming effect of the fungicides metalaxyl and zineb. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1995 , 15, 73-80		12
54	Different sensitivity of BALB/c 3T3 cell clones in the response to carcinogens. <i>Toxicology in Vitro</i> , 2011 , 25, 1183-90	3.6	11
53	In vitro transformation of BALB/c 3T3 cells by 1,1,2,2-tetrachloroethane. <i>Japanese Journal of Cancer Research</i> , 1990 , 81, 786-92		11
52	Source-related components of fine particulate matter and risk of adverse birth outcomes in Northern Italy. <i>Environmental Research</i> , 2020 , 186, 109564	7.9	11
51	Enhancement of BALB/c 3T3 cells transformation by 1,2-dibromoethane promoting effect. <i>Carcinogenesis</i> , 1996 , 17, 225-31	4.6	10
50	Interaction of halocompounds with nucleic acids. <i>Toxicologic Pathology</i> , 1986 , 14, 438-44	2.1	10
49	The covalent binding of bromobenzene with nucleic acids. <i>Toxicologic Pathology</i> , 1985 , 13, 276-82	2.1	10
48	Information Transfer among Coupled Random Boolean Networks. <i>Lecture Notes in Computer Science</i> , 2010 , 1-11	0.9	9

47	Alternative Testing Methods for Predicting Health Risk from Environmental Exposures. <i>Sustainability</i> , 2014 , 6, 5265-5283	3.6	8
46	Short-term effects of particulate matter on cardiovascular morbidity in Italy: a national analysis. <i>European Journal of Preventive Cardiology</i> , 2020 ,	3.9	8
45	The transformics assay: first steps for the development of an integrated approach to investigate the malignant cell transformation in vitro. <i>Carcinogenesis</i> , 2018 , 39, 955-967	4.6	7
44	Binding of hexachloroethane to biological macromolecules from rat and mouse organs. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1988 , 24, 403-11	3.2	7
43	Comparison between photo-induction and microsomal activation of polycyclic hydrocarbons with different oncogenic potency. <i>Toxicologic Pathology</i> , 1984 , 12, 185-8	2.1	7
42	In vivo and in vitro interaction of trichloroethylene with macromolecules from various organs of rat and mouse. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1992 , 76, 192-208		7
41	Initiating activity of 1,1,2,2-tetrachloroethane in two-stage BALB/c 3T3 cell transformation. <i>Cancer Letters</i> , 1992 , 64, 145-53	9.9	6
40	Chloroform Bioactivation Leading to Nucleic Acids Binding. <i>Tumori</i> , 1991 , 77, 285-290	1.7	6
39	Induction of invasive and experimental metastasis potential in BALB/c 3T3 cells by benzo(a)pyrene transformation. <i>Invasion & Metastasis</i> , 1992 , 12, 1-11		6
38	The Secretive Liaison of Particulate Matter and SARS-CoV-2. A Hypothesis and Theory Investigation. <i>Frontiers in Genetics</i> , 2020 , 11, 579964	4.5	6
37	Effects of the protease inhibitor antipain on cell malignant transformation. <i>Anticancer Research</i> , 1999 , 19, 589-96	2.3	6
36	An improved classification of foci for carcinogenicity testing by statistical descriptors. <i>Toxicology in Vitro</i> , 2015 , 29, 1839-50	3.6	5
35	Results of animal studies suggest a nonlinear dose-response relationship for benzene effects. <i>Environmental Health Perspectives</i> , 1989 , 82, 171-6	8.4	5
34	The covalent interaction of 1,4-dibromobenzene with rat and mouse nucleic acids: in vivo and in vitro studies. <i>Toxicology Letters</i> , 1990 , 54, 121-7	4.4	5
33	In vitro effects of fenretinide on cell-matrix interactions. <i>Anticancer Research</i> , 2000 , 20, 3059-66	2.3	5
32	The use of omics-based approaches in regulatory toxicology: an alternative approach to assess the no observed transcriptional effect level. <i>Microchemical Journal</i> , 2018 , 136, 143-148	4.8	4
31	1,2-Dibromoethane as an initiating agent for cell transformation. <i>Japanese Journal of Cancer Research</i> , 1995 , 86, 168-73		4
30	Cytotoxic and cell transforming effects of the insecticide, lindane (gamma-hexachlorocyclohexane) on BALB/c 3T3 cells. <i>Research Communications in Molecular Pathology and Pharmacology</i> , 1995 , 89, 329-39		4

29	509 POSTER Evaluation of in vitro toxicity and efficacy of ferutinin, a natural promising chemopreventive compound. <i>European Journal of Cancer, Supplement</i> , 2006 , 4, 155	1.6	3
28	Covalent binding of 1,1,1,2-tetrachloroethane to nucleic acids as evidence of genotoxic activity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1989 , 26, 485-95	3.2	3
27	In Vivo and in Vitro Interaction of 1,2-Dichlorobenzene with Nucleic Acids and Proteins of Mice and Rats. <i>Tumori</i> , 1990 , 76, 339-344	1.7	3
26	Genotoxicity of 1,1-dichloroethane. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1985 , 49, 243-54		3
25	Short-term tests of genotoxicity for 1,1,1-trichloroethane. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1986 , 52, 305-20		3
24	Evidence of DNA binding activity of perchloroethylene. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1987 , 58, 215-35		3
23	Assessment of air quality sensor system performance after relocation. <i>Atmospheric Pollution Research</i> , 2021 , 12, 282-291	4.5	3
22	DNA damaging activity of methyl parathion. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1991 , 71, 209-18		2
21	Transforming activity of ethylene dibromide in BALB/c 3T3 cells. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1991 , 73, 159-72		2
20	Induction of chemotactic and invasive phenotype in BALB/c 3T3 cells by 1,2-dibromoethane transformation. <i>Invasion & Metastasis</i> , 1993 , 13, 234-43		2
19	In vitro cell transformation induced by the pesticide fenarimol. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1993 , 80, 345-56		2
18	Hazard assessment of air pollutants: The transforming ability of complex pollutant mixtures in the Bhas 42 cell model. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 623-633	4.3	2
17	A nationwide study of air pollution from particulate matter and daily hospitalizations for respiratory diseases in Italy. <i>Science of the Total Environment</i> , 2021 , 807, 151034	10.2	2
16	Inhibition of malignant tumor cell invasion: an approach to anti-progression. <i>Basic Life Sciences</i> , 1993 , 61, 335-50		2
15	Genotoxicity of Chloroethanes and Structure-Activity Relationships 1991 , 381-391		2
14	Lack of significant promoting activity by benzene in the rat liver model of carcinogenesis. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1995 , 45, 481-8	3.2	1
13	Induction of a malignant phenotype in BALB/c 3t3 cells by 1,1,2,2-tetrachloroethane. <i>International Journal of Oncology</i> , 1993 , 2, 937-45	1	1
12	Comparative Metabolism and Genotoxicity Data on Benzene: Their Role in Cancer Risk Assessment 1992 , 263-291		1

11	Comparison of the Covalent Binding of Various Chloroethanes with Nucleic Acids 1988 , 93-102		1
10	Environmental pollution and COVID-19: the molecular terms and predominant disease outcomes of their sweetheart agreement. <i>Epidemiologia E Prevenzione</i> , 2020 , 44, 169-182	1.1	0
9	Toxicological Characterization of Waste-Related Products Using Alternative Methods: Three Case Studies. <i>Handbook of Environmental Chemistry</i> , 2012 , 171-205	0.8	
8	Experimental carcinogenesis and anti-carcinogenesis: a summary of the current status. <i>European Journal of Cancer Prevention</i> , 1994 , 3, 382-5	2	
7	Metabolic activation and covalent binding to nucleic acids of pentachloroethane as short-term test of genotoxicity. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1989 , 63, 81-91		
6	Angiopoietin-2 Expression in B-Cell Chronic Lymphocytic Leukemia: Association with Clinical Outcome and Immunoglobulin Heavy-Chain Mutational Status.. <i>Blood</i> , 2006 , 108, 2780-2780	2.2	
5	Children's and Adult Involuntary and Occupational Exposures and Cancer 259-316		
4	Dose-Response Relationships for Benzene: Human and Experimental Carcinogenicity Data 1992 , 293-303		
3	Chapter 7:Dissecting Modes of Action of Non-genotoxic Carcinogens. <i>Issues in Toxicology</i> , 2016 , 209-235	0.3	
2	The Use of a Physiologically Based Pharmacokinetic Modelling in a Full-Chain Exposure Assessment Framework: A Case Study on Urban and Industrial Pollution in Northern Italy. <i>Atmosphere</i> , 2020 , 11, 1228	2.7	
1	Role of socio-economic status in the relationship between air pollution and health. <i>Environmental Epidemiology</i> , 2019 , 3, 324-325	0.2	