

Annamaria Colacci

List of Publications by Year in descending order

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110
papers

2,587
citations

201385

27
h-index

214527

47
g-index

117
all docs

117
docs citations

117
times ranked

3358
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.	1.3	239
2	Environmental immune disruptors, inflammation and cancer risk. <i>Carcinogenesis</i> , 2015, 36, S232-S253.	1.3	168
3	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88.	1.3	149
4	E-cigarettes induce toxicological effects that can raise the cancer risk. <i>Scientific Reports</i> , 2017, 7, 2028.	1.6	130
5	On the dynamics of random Boolean networks subject to noise: Attractors, ergodic sets and cell types. <i>Journal of Theoretical Biology</i> , 2010, 265, 185-193.	0.8	98
6	The effect of environmental chemicals on the tumor microenvironment. <i>Carcinogenesis</i> , 2015, 36, S160-S183.	1.3	97
7	Metabolic reprogramming and dysregulated metabolism: cause, consequence and/or enabler of environmental carcinogenesis?. <i>Carcinogenesis</i> , 2015, 36, S203-S231.	1.3	93
8	Multidrug resistance and malignancy in human osteosarcoma. <i>Cancer Research</i> , 1996, 56, 2434-9.	0.4	79
9	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.	1.9	72
10	Dynamical Properties of a Boolean Model of Gene Regulatory Network with Memory. <i>Journal of Computational Biology</i> , 2011, 18, 1291-1303.	0.8	56
11	Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. <i>Carcinogenesis</i> , 2015, 36, S2-S18.	1.3	55
12	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.	0.9	52
13	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, 159-168.	3.2	51
14	Moving forward in carcinogenicity assessment: Report of an EURL ECVAM/ESTIV workshop. <i>Toxicology in Vitro</i> , 2017, 45, 278-286.	1.1	49
15	Chemical compounds from anthropogenic environment and immune evasion mechanisms: potential interactions. <i>Carcinogenesis</i> , 2015, 36, S111-S127.	1.3	43
16	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, S184-S202.	1.3	41
17	The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. <i>Carcinogenesis</i> , 2015, 36, S128-S159.	1.3	40
18	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.	0.9	36

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19	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, 204-213.	1.2	35
20	Cell-cell interaction and diversity of emergent behaviours. <i>IET Systems Biology</i> , 2011, 5, 137-144.	0.8	34
21	Disruptive environmental chemicals and cellular mechanisms that confer resistance to cell death. <i>Carcinogenesis</i> , 2015, 36, S89-S110.	1.3	33
22	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, 81-86.	0.9	32
23	Cancer-related genes transcriptionally induced by the fungicide penconazole. <i>Toxicology in Vitro</i> , 2014, 28, 125-130.	1.1	32
24	Disruptive chemicals, senescence and immortality. <i>Carcinogenesis</i> , 2015, 36, S19-S37.	1.3	32
25	The potential for chemical mixtures from the environment to enable the cancer hallmark of sustained proliferative signalling. <i>Carcinogenesis</i> , 2015, 36, S38-S60.	1.3	32
26	Robustness Analysis of a Boolean Model of Gene Regulatory Network with Memory. <i>Journal of Computational Biology</i> , 2011, 18, 559-577.	0.8	30
27	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, 219-228.	1.2	29
28	Uncertainties of testing methods: What do we (want to) know about carcinogenicity?. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 235-252.	0.9	29
29	Benzene adducts with rat nucleic acids and proteins: dose-response relationship after treatment in vivo.. <i>Environmental Health Perspectives</i> , 1989, 82, 259-266.	2.8	27
30	BALB/c 3T3 cell transformation assay for the prediction of carcinogenic potential of chemicals and environmental mixtures. <i>Toxicology in Vitro</i> , 2010, 24, 1292-1300.	1.1	27
31	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.	1.3	27
32	Source-related components of fine particulate matter and risk of adverse birth outcomes in Northern Italy. <i>Environmental Research</i> , 2020, 186, 109564.	3.7	27
33	Gene Expression Changes in Medical Workers Exposed to Radiation. <i>Radiation Research</i> , 2009, 172, 500.	0.7	26
34	Short-term effects of particulate matter on cardiovascular morbidity in Italy: a national analysis. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1202-1211.	0.8	26
35	Evaluation of genotoxic effects of the herbicide dicamba using in vivo and in vitro test systems. <i>Environmental and Molecular Mutagenesis</i> , 1990, 15, 131-135.	0.9	24
36	A nationwide study of air pollution from particulate matter and daily hospitalizations for respiratory diseases in Italy. <i>Science of the Total Environment</i> , 2022, 807, 151034.	3.9	24

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37	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.	0.6	23
38	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, 485-494.	1.1	23
39	Gene expression time-series analysis of Camptothecin effects in U87-MG and DBTRG-05 glioblastoma cell lines. <i>Molecular Cancer</i> , 2008, 7, 66.	7.9	22
40	Identification of pathway-based toxicity in the BALB/c 3T3 cell model. <i>Toxicology in Vitro</i> , 2015, 29, 1240-1253.	1.1	20
41	The covalent binding of 1, 1,2,2-tetrachloroethane to macromolecules of rat and mouse organs. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1987, 7, 465-474.	0.8	19
42	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.	2.4	18
43	Transformation of BALB/c 3T3 Cells in vitro by the Fungicides Captan, Captafol and Folpet. <i>Japanese Journal of Cancer Research</i> , 1995, 86, 941-947.	1.7	18
44	A cDNA-microarray analysis of camptothecin resistance in glioblastoma cell lines. <i>Cancer Letters</i> , 2006, 231, 74-86.	3.2	18
45	Interaction of Halocompounds with Nucleic Acids. <i>Toxicologic Pathology</i> , 1986, 14, 438-444.	0.9	16
46	The Diffusion of Perturbations in a Model of Coupled Random Boolean Networks. <i>Lecture Notes in Computer Science</i> , 2008, , 315-322.	1.0	16
47	In vitro transforming effect of the fungicides metalaxyl and zineb. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1995, 15, 73-80.	0.8	15
48	Cytotoxic activity and transformation of BALB/c 3T3 cells in vitro by the insecticide acephate. <i>Cancer Letters</i> , 1996, 106, 147-153.	3.2	15
49	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.	0.5	15
50	Angiopoietin-2 expression in B-cell chronic lymphocytic leukemia: association with clinical outcome and immunoglobulin heavy-chain mutational status. <i>Leukemia</i> , 2007, 21, 1312-1315.	3.3	14
51	In vivo and in vitro binding of epichlorohydrin to nucleic acids. <i>Cancer Letters</i> , 1984, 23, 81-90.	3.2	13
52	The Secretive Liaison of Particulate Matter and SARS-CoV-2. A Hypothesis and Theory Investigation. <i>Frontiers in Genetics</i> , 2020, 11, 579964.	1.1	13
53	In vitro Transformation of BALB/c 3T3 Cells by 1,1,2,2-Tetrachloroethane. <i>Japanese Journal of Cancer Research</i> , 1990, 81, 786-792.	1.7	12
54	Information Transfer among Coupled Random Boolean Networks. <i>Lecture Notes in Computer Science</i> , 2010, , 1-11.	1.0	12

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55	Different sensitivity of BALB/c 3T3 cell clones in the response to carcinogens. <i>Toxicology in Vitro</i> , 2011, 25, 1183-1190.	1.1	11
56	The Covalent Binding of Bromobenzene with Nucleic Acids. <i>Toxicologic Pathology</i> , 1985, 13, 276-282.	0.9	10
57	Enhancement of BALB/c 3T3 cells transformation by 1,2-dibromoethane promoting effect. <i>Carcinogenesis</i> , 1996, 17, 225-231.	1.3	10
58	Alternative Testing Methods for Predicting Health Risk from Environmental Exposures. <i>Sustainability</i> , 2014, 6, 5265-5283.	1.6	10
59	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, 403-411.	1.1	9
60	Chloroform Bioactivation Leading to Nucleic Acids Binding. <i>Tumori</i> , 1991, 77, 285-290.	0.6	9
61	Assessment of air quality sensor system performance after relocation. <i>Atmospheric Pollution Research</i> , 2021, 12, 282-291.	1.8	9
62	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.	0.2	9
63	Comparison Between Photo-Induction and Microsomal Activation of Polycyclic Hydrocarbons with Different Oncogenic Potency. <i>Toxicologic Pathology</i> , 1984, 12, 185-188.	0.9	8
64	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.	0.5	8
65	In vitro effects of fenretinide on cell-matrix interactions. <i>Anticancer Research</i> , 2000, 20, 3059-66.	0.5	7
66	Initiating activity of 1,1,2,2-tetrachloroethane in two-stage BALBc 3T3 cell transformation. <i>Cancer Letters</i> , 1992, 64, 145-153.	3.2	6
67	An improved classification of foci for carcinogenicity testing by statistical descriptors. <i>Toxicology in Vitro</i> , 2015, 29, 1839-1850.	1.1	6
68	Evidence of DNA binding activity of perchloroethylene. <i>Research Communications in Chemical Pathology and Pharmacology</i> , 1987, 58, 215-35.	0.2	6
69	Effects of the protease inhibitor antipain on cell malignant transformation. <i>Anticancer Research</i> , 1999, 19, 589-96.	0.5	6
70	Results of animal studies suggest a nonlinear dose-response relationship for benzene effects.. <i>Environmental Health Perspectives</i> , 1989, 82, 171-176.	2.8	5
71	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.	0.6	5
72	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, 121-127.	0.4	5

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73	1,2-Dibromoethane as an Initiating Agent for Cell Transformation. Japanese Journal of Cancer Research, 1995, 86, 168-173.	1.7	5
74	The use of omics-based approaches in regulatory toxicology: an alternative approach to assess the no observed transcriptional effect level. Microchemical Journal, 2018, 136, 143-148.	2.3	5
75	INDUCTION OF A MALIGNANT PHENOTYPE IN BALB/C 3T3 CELLS BY 1,1,2-TETRACHLOROETHANE. International Journal of Oncology, 1993, 2, 937-45.	1.4	4
76	Hazard assessment of air pollutants: The transforming ability of complex pollutant mixtures in the Bhas 42 cell model. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 623-633.	0.9	4
77	Angiopoietin-2 Expression in B-Cell Chronic Lymphocytic Leukemia: Association with Clinical Outcome and Immunoglobulin Heavy-Chain Mutational Status.. Blood, 2006, 108, 2780-2780.	0.6	4
78	Inhibition of Malignant Tumor Cell Invasion: An Approach to Anti-Progression. , 1993, 61, 335-350.		4
79	Cytotoxic and cell transforming effects of the insecticide, lindane (gamma-hexachlorocyclohexane) on BALB/c 3T3 cells. Research Communications in Molecular Pathology and Pharmacology, 1995, 89, 329-39.	0.2	4
80	Covalent binding of 1,1,1,2-tetrachloroethane to nucleic acids as evidence of genotoxic activity. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1989, 26, 485-495.	1.1	3
81	509 POSTER Evaluation of in vitro toxicity and efficacy of ferutinin, a natural promising chemopreventive compound. European Journal of Cancer, Supplement, 2006, 4, 155.	2.2	3
82	Genotoxicity of Chloroethanes and Structure-Activity Relationships. , 1991, , 381-391.		3
83	DNA damaging activity of methyl parathion. Research Communications in Chemical Pathology and Pharmacology, 1991, 71, 209-18.	0.2	3
84	Genotoxicity of 1,1-dichloroethane. Research Communications in Chemical Pathology and Pharmacology, 1985, 49, 243-54.	0.2	3
85	Short-term tests of genotoxicity for 1,1,1-trichloroethane. Research Communications in Chemical Pathology and Pharmacology, 1986, 52, 305-20.	0.2	3
86	Comparison of the Covalent Binding of Various Chloroethanes with Nucleic Acids. , 1988, , 93-102.		2
87	Transforming activity of ethylene dibromide in BALB/c 3T3 cells. Research Communications in Chemical Pathology and Pharmacology, 1991, 73, 159-72.	0.2	2
88	Induction of chemotactic and invasive phenotype in BALB/c 3T3 cells by 1,2-dibromoethane transformation. Invasion & Metastasis, 1993, 13, 234-43.	0.5	2
89	In vitro cell transformation induced by the pesticide fenarimol. Research Communications in Chemical Pathology and Pharmacology, 1993, 80, 345-56.	0.2	2
90	Mechanistic Interrogation of Cell Transformation In Vitro: The Transformics Assay as an Exemplar of Oncotransformation. International Journal of Molecular Sciences, 2022, 23, 7603.	1.8	2

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91	binding of 14C-nitrotriacetic acid (NTA) with DNA. European Journal of Cancer & Clinical Oncology, 1985, 21, 1376.	0.9	1
92	Lack of significant promoting activity by benzene in the rat liver model of carcinogenesis. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1995, 45, 481-488.	1.1	1
93	Comparative Metabolism and Genotoxicity Data on Benzene: Their Role in Cancer Risk Assessment. , 1992, , 263-291.		1
94	Environmental pollution and COVID-19: the molecular terms and predominant disease outcomes of their sweetheart agreement. Epidemiologia E Prevenzione, 2020, 44, 169-182.	1.1	1
95	Binding of 1,1-dichloroethane (1,1-DCE) to macromolecules of rat and mouse organs. European Journal of Cancer & Clinical Oncology, 1985, 21, 1385.	0.9	0
96	Experimental carcinogenesis and anti-carcinogenesis. European Journal of Cancer Prevention, 1994, 3, 382.	0.6	0
97	Assessment of polychlorinated biphenyls: Prospects for a global approach. Toxicology Letters, 2009, 189, S193-S194.	0.4	0
98	Toxicological Characterization of Waste-Related Products Using Alternative Methods: Three Case Studies. Handbook of Environmental Chemistry, 2012, , 171-205.	0.2	0
99	Cell cycle-related genes transcriptionally induced by the mycotoxin Zearalenone. Toxicology Letters, 2013, 221, S142-S143.	0.4	0
100	PI â€“ 1â€“4â€“...Source-related components of pm2.5 and long-term health effects: epidemiological findings of supersite project in italy. , 2018, , .		0
101	Role of socio-economic status in the relationship between air pollution and health. Environmental Epidemiology, 2019, 3, 324-325.	1.4	0
102	The Use of a Physiologically Based Pharmacokinetic Modelling in a â€œFull-Chainâ€ Exposure Assessment Framework: A Case Study on Urban and Industrial Pollution in Northern Italy. Atmosphere, 2020, 11, 1228.	1.0	0
103	INVESTIGATING CELL CRITICALITY. , 2008, , .		0
104	GENE-ENVIRONMENT INTERACTION: THE IMPORTANCE OF OMICS IN UNDERSTANDING THE EFFECT OF LOW-DOSE EXPOSURE. , 2009, , .		0
105	Dose-Response Relationships for Benzene: Human and Experimental Carcinogenicity Data. , 1992, , 293-303.		0
106	Chapter 7. Dissecting Modes of Action of Non-genotoxic Carcinogens. Issues in Toxicology, 2016, , 209-235.	0.2	0
107	Supersite Project: Toxicological profiles of atmospheric aerosol. ISEE Conference Abstracts, 2016, .	0.0	0
108	Children's and Adult Involuntary and Occupational Exposures and Cancer. , 0, , 259-316.		0

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109	Physiologically based pharmacokinetic (PBPK) modeling reliability in human exposure assessment after a perfluoroalkyl substances (PFAS) contamination occurred in northern Italy.. ISEE Conference Abstracts, 2020, 2020, .	0.0	0
110	Metabolic activation and covalent binding to nucleic acids of pentachloroethane as short-term test of genotoxicity. Research Communications in Chemical Pathology and Pharmacology, 1989, 63, 81-91.	0.2	0