

Radu Corneliu Duca

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,189
citations

185998

28
h-index

264894

42
g-index

91
all docs

91
docs citations

91
times ranked

2908
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal intake of methyl-group donors affects DNA methylation of metabolic genes in infants. <i>Clinical Epigenetics</i> , 2017, 9, 16.	1.8	129
2	Systematic review of comparative studies assessing the toxicity of pesticide active ingredients and their product formulations. <i>Environmental Research</i> , 2020, 181, 108926.	3.7	117
3	Dietary and supplemental maternal methyl-group donor intake and cord blood DNA methylation. <i>Epigenetics</i> , 2017, 12, 1-10.	1.3	112
4	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
5	Monomer elution in relation to degree of conversion for different types of composite. <i>Journal of Dentistry</i> , 2015, 43, 1448-1455.	1.7	60
6	Long-term elution of monomers from resin-based dental composites. <i>Dental Materials</i> , 2019, 35, 477-485.	1.6	59
7	Prenatal Exposure to Mercury: Associations with Global DNA Methylation and Hydroxymethylation in Cord Blood and in Childhood. <i>Environmental Health Perspectives</i> , 2017, 125, 087022.	2.8	57
8	Differences in MWCNT- and SWCNT-induced DNA methylation alterations in association with the nuclear deposition. <i>Particle and Fibre Toxicology</i> , 2018, 15, 11.	2.8	57
9	From inequitable to sustainable e-waste processing for reduction of impact on human health and the environment. <i>Environmental Research</i> , 2021, 194, 110728.	3.7	55
10	Development of an analytical strategy based on LC-MS/MS for the measurement of different classes of pesticides and their metabolites in meconium: Application and characterisation of foetal exposure in France. <i>Environmental Research</i> , 2014, 132, 311-320.	3.7	54
11	Setting up a collaborative European human biological monitoring study on occupational exposure to hexavalent chromium. <i>Environmental Research</i> , 2019, 177, 108583.	3.7	53
12	In Vitro Cytochrome P450 Formation of a Mono-Hydroxylated Metabolite of Zearalenone Exhibiting Estrogenic Activities: Possible Occurrence of This Metabolite in Vivo. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1824-1837.	1.8	52
13	Hair decontamination procedure prior to multi-class pesticide analysis. <i>Drug Testing and Analysis</i> , 2014, 6, 55-66.	1.6	48
14	Towards a systematic use of effect biomarkers in population and occupational biomonitoring. <i>Environment International</i> , 2021, 146, 106257.	4.8	48
15	Maternal Methyl-Group Donor Intake and Global DNA (Hydroxy)Methylation before and during Pregnancy. <i>Nutrients</i> , 2016, 8, 474.	1.7	46
16	Epigenetic effects of carbon nanotubes in human monocytic cells. <i>Mutagenesis</i> , 2017, 32, 181-191.	1.0	46
17	Biomonitoring of occupational exposure to phthalates: A systematic review. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 229, 113548.	2.1	46
18	Multi-residue analysis of organic pollutants in hair and urine for matrices comparison. <i>Forensic Science International</i> , 2015, 249, 6-19.	1.3	44

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19	Reproductive Health Risks Associated with Occupational and Environmental Exposure to Pesticides. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6576.	1.2	44
20	Understanding farmers' safety behavior regarding pesticide use in Morocco. <i>Sustainable Production and Consumption</i> , 2021, 25, 471-483.	5.7	40
21	Potential Health Risk of Endocrine Disruptors in Construction Sector and Plastics Industry: A New Paradigm in Occupational Health. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1229.	1.2	37
22	Cyto-genotoxic and DNA methylation changes induced by different crystal phases of TiO ₂ -np in bronchial epithelial (16-HBE) cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 796, 1-12.	0.4	35
23	Biomonitoring as an Underused Exposure Assessment Tool in Occupational Safety and Health Context: Challenges and Way Forward. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5884.	1.2	34
24	Comparison of solid phase- and liquid/liquid-extraction for the purification of hair extract prior to multi-class pesticides analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 955-956, 98-107.	1.2	33
25	HBM4EU chromates study - Overall results and recommendations for the biomonitoring of occupational exposure to hexavalent chromium. <i>Environmental Research</i> , 2022, 204, 111984.	3.7	32
26	A novel high sensitivity UPLC-MS/MS method for the evaluation of bisphenol A leaching from dental materials. <i>Scientific Reports</i> , 2018, 8, 6981.	1.6	31
27	Qualitative analysis of dental material ingredients, composite resins and sealants using liquid chromatography coupled to quadrupole time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1576, 90-100.	1.8	31
28	In-vitro transdermal diffusion of monomers from adhesives. <i>Journal of Dentistry</i> , 2018, 75, 91-97.	1.7	31
29	Socioeconomic status and DNA methylation from birth through mid-childhood: a prospective study in Project Viva. <i>Epigenomics</i> , 2019, 11, 1413-1427.	1.0	30
30	The Influence of the Duration of Breastfeeding on the Infant's Metabolic Epigenome. <i>Nutrients</i> , 2019, 11, 1408.	1.7	29
31	Carbon Nanotube- and Asbestos-Induced DNA and RNA Methylation Changes in Bronchial Epithelial Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 850-860.	1.7	28
32	Development of a New HPLC Method Used for Determination of Zearalenone and Its Metabolites in Broiler Samples. Influence of Zearalenone on the Nutritional Properties of Broiler Meat. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 10497-10504.	2.4	27
33	Simultaneous analysis of bisphenol A based compounds and other monomers leaching from resin-based dental materials by UHPLC-MS/MS. <i>Journal of Separation Science</i> , 2017, 40, 1063-1075.	1.3	25
34	Release of monomers from composite dust. <i>Journal of Dentistry</i> , 2017, 60, 56-62.	1.7	25
35	Exposure to solar UV radiation in outdoor construction workers using personal dosimetry. <i>Environmental Research</i> , 2020, 181, 108967.	3.7	25
36	Temporal variability of global DNA methylation and hydroxymethylation in buccal cells of healthy adults: Association with air pollution. <i>Environment International</i> , 2018, 111, 301-308.	4.8	24

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37	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
38	Bisphenol A as degradation product of monomers used in resin-based dental materials. <i>Dental Materials</i> , 2021, 37, 1020-1029.	1.6	23
39	The effect of paternal methyl-group donor intake on offspring DNA methylation and birth weight. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 311-321.	0.7	21
40	Health and ecological risk assessment based on pesticide monitoring in Sa ^h ss plain (Morocco) groundwater. <i>Environmental Pollution</i> , 2021, 276, 116638.	3.7	21
41	Single-walled and multi-walled carbon nanotubes induce sequence-specific epigenetic alterations in 16 HBE cells. <i>Oncotarget</i> , 2018, 9, 20351-20365.	0.8	21
42	<i>In vivo</i> effects of zearalenone on the expression of proteins involved in the detoxification of rat xenobiotics. <i>Environmental Toxicology</i> , 2012, 27, 98-108.	2.1	20
43	Monomer release from direct and indirect adhesive restorations: A comparative <i>in vitro</i> study. <i>Dental Materials</i> , 2020, 36, 1275-1281.	1.6	18
44	Assessment of exposure of gas station attendants in Sri Lanka to benzene, toluene and xylenes. <i>Environmental Research</i> , 2019, 178, 108670.	3.7	17
45	HBM4EU chromates study - Reflection and lessons learnt from designing and undertaking a collaborative European biomonitoring study on occupational exposure to hexavalent chromium. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 234, 113725.	2.1	17
46	A human biomonitoring (HBM) Global Registry Framework: Further advancement of HBM research following the FAIR principles. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 238, 113826.	2.1	17
47	Investigating the <i>in vitro</i> metabolism of the dental resin monomers BisGMA, BisPMA, TCD-DI-HEA and UDMA using human liver microsomes and quadrupole time of flight mass spectrometry. <i>Toxicology</i> , 2019, 420, 1-10.	2.0	16
48	Biomonitoring for Occupational Exposure to Diisocyanates: A Systematic Review. <i>Annals of Work Exposures and Health</i> , 2020, 64, 569-585.	0.6	16
49	Systematic review of biomonitoring data on occupational exposure to hexavalent chromium. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 236, 113799.	2.1	16
50	A Method to Quantitatively Assess Dermal Exposure to Volatile Organic Compounds. <i>Annals of Work Exposures and Health</i> , 2017, 61, 975-985.	0.6	15
51	N6-Methyladenine in Eukaryotic DNA: Tissue Distribution, Early Embryo Development, and Neuronal Toxicity. <i>Frontiers in Genetics</i> , 2021, 12, 657171.	1.1	15
52	Saturation reduces <i>in-vitro</i> leakage of monomers from composites. <i>Dental Materials</i> , 2018, 34, 579-586.	1.6	14
53	Study of temporal variability of salivary cortisol and cortisone by LC-MS/MS using a new atmospheric pressure ionization source. <i>Scientific Reports</i> , 2019, 9, 19313.	1.6	14
54	Platinum sensitivity and DNA repair in a recently established panel of patient-derived ovarian carcinoma xenografts. <i>Oncotarget</i> , 2018, 9, 24707-24717.	0.8	14

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55	HBM4EU Occupational Biomonitoring Study on e-Waste Study Protocol. International Journal of Environmental Research and Public Health, 2021, 18, 12987.	1.2	14
56	Hair analysis for the biomonitoring of polycyclic aromatic hydrocarbon exposure: comparison with urinary metabolites and DNA adducts in a rat model. Archives of Toxicology, 2018, 92, 3061-3075.	1.9	13
57	HBM4EU Chromates Study: Determinants of Exposure to Hexavalent Chromium in Plating, Welding and Other Occupational Settings. International Journal of Environmental Research and Public Health, 2022, 19, 3683.	1.2	13
58	Long-term elution of bisphenol A from dental composites. Dental Materials, 2021, 37, 1561-1568.	1.6	12
59	Global and gene-specific DNA methylation effects of different asbestos fibres on human bronchial epithelial cells. Environment International, 2018, 115, 301-311.	4.8	10
60	Human phase I in vitro liver metabolism of two bisphenolic diglycidyl ethers BADGE and BFDGE. Toxicology Letters, 2020, 332, 7-13.	0.4	10
61	Bisphenol A release from short-term degraded resin-based dental materials. Journal of Dentistry, 2022, 116, 103894.	1.7	8
62	Identification of chemicals leaching from dental resin-based materials after in vitro chemical and salivary degradation. Dental Materials, 2022, 38, 19-32.	1.6	8
63	Environmental Contamination and Occupational Exposure of Algerian Hospital Workers. Frontiers in Public Health, 2020, 8, 374.	1.3	7
64	Assessing the estrogenic activity of chemicals present in resin based dental composites and in leachates of commercially available composites using the ER±-CALUX bioassay. Dental Materials, 2021, 37, 1834-1844.	1.6	7
65	HBM4EU chromates study - Usefulness of measurement of blood chromium levels in the assessment of occupational Cr(VI) exposure.. Environmental Research, 2022, 214, 113758.	3.7	7
66	Integrated evaluation of solvent exposure in an occupational setting: air, dermal and bio-monitoring. Toxicology Letters, 2018, 298, 150-157.	0.4	6
67	An alternative method to assess permeation through disposable gloves. Journal of Hazardous Materials, 2021, 411, 125045.	6.5	5
68	HBM4EU Chromates Study: Urinary Metabolomics Study of Workers Exposed to Hexavalent Chromium. Metabolites, 2022, 12, 362.	1.3	5
69	Surveillance of Indoor Air Concentration of Volatile Organic Compounds in Luxembourgish Households. International Journal of Environmental Research and Public Health, 2022, 19, 5467.	1.2	5
70	Redox Behavior of Zearalenone in Various Solvents. Analytical Letters, 2010, 43, 1287-1300.	1.0	4
71	Production and use of mycotoxins uniformly enriched with stable isotopes for their dosage in biological samples. World Mycotoxin Journal, 2008, 1, 275-281.	0.8	4
72	Response to Cherrie Letter, "How to Quantitatively Assess Dermal Exposure to Volatile Organic Compounds". Annals of Work Exposures and Health, 2018, 62, 255-256.	0.6	1

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73	Exposure to environmental levels of polycyclic aromatic hydrocarbons leads to epigenetic modulation in a rat model. <i>Toxicology Letters</i> , 2018, 295, S56.	0.4	1
74	O1A.5â€¦Emergent role of epigenetic biomarkers of pesticides exposure: a case study among women of childbearing age living in meknes (morocco). <i>Occupational and Environmental Medicine</i> , 2019, 76, A4.1-A4.	1.3	1
75	Could fibrinogen and hsCRP be useful for assessing personal risk in workers exposed to a mixture of ultrafine particles and organic solvents?. <i>Romanian Journal of Laboratory Medicine</i> , 2018, 26, 177-187.	0.1	1
76	The Parental Pesticide and Offspringâ€™s Epigenome Study: Towards an Integrated Use of Human Biomonitoring of Exposure and Effect Biomarkers. <i>Toxics</i> , 2021, 9, 332.	1.6	1
77	Quantification of three antineoplastic agents in urine using the UniSpray ionisation source. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1205, 123331.	1.2	1
78	Production and use of mycotoxins uniformly enriched with stable isotopes for their dosage in biological samples: (3) tools for pharmacokinetics and as internal standards. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 537-538.	0.5	0
79	O10: Pesticide concentration in hair of animals under controlled exposure. <i>Toxicologie Analytique Et Clinique</i> , 2014, 26, S9.	0.1	0
80	1713câ€¦Epigenetics in solvent induced neurobehavioral disorders. , 2018, , .		0
81	780â€¦Contributions of dermal vs air exposure to biomonitoring for solvent exposure. , 2018, , .		0
82	855â€¦Dermal exposure to diisocyanates: development and validation of an analytical method for accurately assessment of very low levels of exposure. , 2018, , .		0
83	O5B.2â€¦Dermal exposure to solvents: a need for quantitative analysis. <i>Occupational and Environmental Medicine</i> , 2019, 76, A43.2-A43.	1.3	0
84	Evaluation of dermal exposure to 5-Fluorouracile in a healthcare setting. <i>Safety and Health at Work</i> , 2022, 13, S244.	0.3	0
85	Novel biomonitoring of early biological effects upon benzene low-level exposure. <i>Safety and Health at Work</i> , 2022, 13, S43.	0.3	0