

Radu Corneliu Duca

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,189
citations

186265

28
h-index

265206

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.	4.1	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.	7.5	117
3	Dietary and supplemental maternal methyl-group donor intake and cord blood DNA methylation. <i>Epigenetics</i> , 2017, 12, 1-10.	2.7	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.	4.2	81
5	Monomer elution in relation to degree of conversion for different types of composite. <i>Journal of Dentistry</i> , 2015, 43, 1448-1455.	4.1	60
6	Long-term elution of monomers from resin-based dental composites. <i>Dental Materials</i> , 2019, 35, 477-485.	3.5	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.	6.0	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.	6.2	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.	7.5	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.	7.5	54
11	Setting up a collaborative European human biological monitoring study on occupational exposure to hexavalent chromium. <i>Environmental Research</i> , 2019, 177, 108583.	7.5	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.	4.1	52
13	Hair decontamination procedure prior to multi-class pesticide analysis. <i>Drug Testing and Analysis</i> , 2014, 6, 55-66.	2.6	48
14	Towards a systematic use of effect biomarkers in population and occupational biomonitoring. <i>Environment International</i> , 2021, 146, 106257.	10.0	48
15	Maternal Methyl-Group Donor Intake and Global DNA (Hydroxy)Methylation before and during Pregnancy. <i>Nutrients</i> , 2016, 8, 474.	4.1	46
16	Epigenetic effects of carbon nanotubes in human monocytic cells. <i>Mutagenesis</i> , 2017, 32, 181-191.	2.6	46
17	Biomonitoring of occupational exposure to phthalates: A systematic review. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 229, 113548.	4.3	46
18	Multi-residue analysis of organic pollutants in hair and urine for matrices comparison. <i>Forensic Science International</i> , 2015, 249, 6-19.	2.2	44

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19	Reproductive Health Risks Associated with Occupational and Environmental Exposure to Pesticides. International Journal of Environmental Research and Public Health, 2021, 18, 6576.	2.6	44
20	Understanding farmers'™ safety behavior regarding pesticide use in Morocco. Sustainable Production and Consumption, 2021, 25, 471-483.	11.0	40
21	Potential Health Risk of Endocrine Disruptors in Construction Sector and Plastics Industry: A New Paradigm in Occupational Health. International Journal of Environmental Research and Public Health, 2018, 15, 1229.	2.6	37
22	Cyto-genotoxic and DNA methylation changes induced by different crystal phases of TiO ₂ -np in bronchial epithelial (16-HBE) cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2017, 796, 1-12.	1.0	35
23	Biomonitoring as an Underused Exposure Assessment Tool in Occupational Safety and Health Context'™ Challenges and Way Forward. International Journal of Environmental Research and Public Health, 2020, 17, 5884.	2.6	34
24	Comparison of solid phase- and liquid/liquid-extraction for the purification of hair extract prior to multi-class pesticides analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 955-956, 98-107.	2.3	33
25	HBM4EU chromates study - Overall results and recommendations for the biomonitoring of occupational exposure to hexavalent chromium. Environmental Research, 2022, 204, 111984.	7.5	32
26	A novel high sensitivity UPLC-MS/MS method for the evaluation of bisphenol A leaching from dental materials. Scientific Reports, 2018, 8, 6981.	3.3	31
27	Qualitative analysis of dental material ingredients, composite resins and sealants using liquid chromatography coupled to quadrupole time of flight mass spectrometry. Journal of Chromatography A, 2018, 1576, 90-100.	3.7	31
28	In-vitro transdermal diffusion of monomers from adhesives. Journal of Dentistry, 2018, 75, 91-97.	4.1	31
29	Socioeconomic status and DNA methylation from birth through mid-childhood: a prospective study in Project Viva. Epigenomics, 2019, 11, 1413-1427.	2.1	30
30	The Influence of the Duration of Breastfeeding on the Infant'™s Metabolic Epigenome. Nutrients, 2019, 11, 1408.	4.1	29
31	Carbon Nanotube- and Asbestos-Induced DNA and RNA Methylation Changes in Bronchial Epithelial Cells. Chemical Research in Toxicology, 2019, 32, 850-860.	3.3	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. Journal of Agricultural and Food Chemistry, 2009, 57, 10497-10504.	5.2	27
33	Simultaneous analysis of bisphenol A based compounds and other monomers leaching from resin-based dental materials by UHPLC-MS/MS. Journal of Separation Science, 2017, 40, 1063-1075.	2.5	25
34	Release of monomers from composite dust. Journal of Dentistry, 2017, 60, 56-62.	4.1	25
35	Exposure to solar UV radiation in outdoor construction workers using personal dosimetry. Environmental Research, 2020, 181, 108967.	7.5	25
36	Temporal variability of global DNA methylation and hydroxymethylation in buccal cells of healthy adults: Association with air pollution. Environment International, 2018, 111, 301-308.	10.0	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.	3.3	24
38	Bisphenol A as degradation product of monomers used in resin-based dental materials. <i>Dental Materials</i> , 2021, 37, 1020-1029.	3.5	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.	1.4	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.	7.5	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.	1.8	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.	4.0	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.	3.5	18
44	Assessment of exposure of gas station attendants in Sri Lanka to benzene, toluene and xylenes. <i>Environmental Research</i> , 2019, 178, 108670.	7.5	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.	4.3	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.	4.3	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.	4.2	16
48	Biomonitoring for Occupational Exposure to Diisocyanates: A Systematic Review. <i>Annals of Work Exposures and Health</i> , 2020, 64, 569-585.	1.4	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.	4.3	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.	1.4	15
51	N6-Methyladenine in Eukaryotic DNA: Tissue Distribution, Early Embryo Development, and Neuronal Toxicity. <i>Frontiers in Genetics</i> , 2021, 12, 657171.	2.3	15
52	Saturation reduces <i>in-vitro</i> leakage of monomers from composites. <i>Dental Materials</i> , 2018, 34, 579-586.	3.5	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.	3.3	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.	1.8	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.	2.6	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.	4.2	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.	2.6	13
58	Long-term elution of bisphenol A from dental composites. Dental Materials, 2021, 37, 1561-1568.	3.5	12
59	Global and gene-specific DNA methylation effects of different asbestos fibres on human bronchial epithelial cells. Environment International, 2018, 115, 301-311.	10.0	10
60	Human phase I in vitro liver metabolism of two bisphenolic diglycidyl ethers BADGE and BFDGE. Toxicology Letters, 2020, 332, 7-13.	0.8	10
61	Bisphenol A release from short-term degraded resin-based dental materials. Journal of Dentistry, 2022, 116, 103894.	4.1	8
62	Identification of chemicals leaching from dental resin-based materials after in vitro chemical and salivary degradation. Dental Materials, 2022, 38, 19-32.	3.5	8
63	Environmental Contamination and Occupational Exposure of Algerian Hospital Workers. Frontiers in Public Health, 2020, 8, 374.	2.7	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.	3.5	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.	7.5	7
66	Integrated evaluation of solvent exposure in an occupational setting: air, dermal and bio-monitoring. Toxicology Letters, 2018, 298, 150-157.	0.8	6
67	An alternative method to assess permeation through disposable gloves. Journal of Hazardous Materials, 2021, 411, 125045.	12.4	5
68	HBM4EU Chromates Study: Urinary Metabolomics Study of Workers Exposed to Hexavalent Chromium. Metabolites, 2022, 12, 362.	2.9	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.	2.6	5
70	Redox Behavior of Zearalenone in Various Solvents. Analytical Letters, 2010, 43, 1287-1300.	1.8	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.	1.4	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.	1.4	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.	0.8	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.	2.8	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.	0.2	1
76	The Parental Pesticide and Offspring's Epigenome Study: Towards an Integrated Use of Human Biomonitoring of Exposure and Effect Biomarkers. <i>Toxics</i> , 2021, 9, 332.	3.7	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.	2.3	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.	1.0	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	1713â€¦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.	2.8	0
84	Evaluation of dermal exposure to 5-Fluorouracil in a healthcare setting. <i>Safety and Health at Work</i> , 2022, 13, S244.	0.6	0
85	Novel biomonitoring of early biological effects upon benzene low-level exposure. <i>Safety and Health at Work</i> , 2022, 13, S43.	0.6	0