

Nina Holland

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

10,371
citations

29994

54
h-index

34900

98
g-index

128
all docs

128
docs citations

128
times ranked

11619
citing authors

#	ARTICLE	IF	CITATIONS
1	An increased micronucleus frequency in peripheral blood lymphocytes predicts the risk of cancer in humans. <i>Carcinogenesis</i> , 2006, 28, 625-631.	1.3	825
2	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016, 98, 680-696.	2.6	717
3	Buccal micronucleus cytome assay. <i>Nature Protocols</i> , 2009, 4, 825-837.	5.5	493
4	The HUman MicroNucleus Project—An international collaborative study on the use of the micronucleus technique for measuring DNA damage in humans. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 428, 271-283.	0.4	464
5	The micronucleus assay in human buccal cells as a tool for biomonitoring DNA damage: The HUMN project perspective on current status and knowledge gaps. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 93-108.	2.4	431
6	HUman MicroNucleus project: international database comparison for results with the cytokinesis-block micronucleus assay in human lymphocytes: I. Effect of laboratory protocol, scoring criteria, and host factors on the frequency of micronuclei. <i>Environmental and Molecular Mutagenesis</i> , 2001, 37, 31-45.	0.9	387
7	The HUman MicroNucleus project on exfoliated buccal cells (HUMNXL): The role of life-style, host factors, occupational exposures, health status, and assay protocol. <i>Mutation Research - Reviews in Mutation Research</i> , 2011, 728, 88-97.	2.4	310
8	Effect of smoking habit on the frequency of micronuclei in human lymphocytes: results from the Human MicroNucleus project. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 543, 155-166.	2.4	303
9	Small-Magnitude Effect Sizes in Epigenetic End Points are Important in Children—The Children's Environmental Health Studies: The Children's Environmental Health and Disease Prevention Research Center's Epigenetics Working Group. <i>Environmental Health Perspectives</i> , 2017, 125, 511-526.	2.8	243
10	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , 2017, 26, 4067-4085.	1.4	211
11	Pesticide Toxicity and the Developing Brain. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 102, 228-236.	1.2	167
12	The HUMN and HUMNXL international collaboration projects on human micronucleus assays in lymphocytes and buccal cells—past, present and future. <i>Mutagenesis</i> , 2011, 26, 239-245.	1.0	165
13	Intra- and inter-laboratory variation in the scoring of micronuclei and nucleoplasmic bridges in binucleated human lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 534, 45-64.	0.9	159
14	Sex differences in DNA methylation assessed by 450K BeadChip in newborns. <i>BMC Genomics</i> , 2015, 16, 911.	1.2	155
15	PON1 status of farmworker mothers and children as a predictor of organophosphate sensitivity. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 183-190.	0.7	151
16	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019, 10, 1893.	5.8	140
17	Children's exposure to environmental pollutants and biomarkers of genetic damage. Results of a comprehensive literature search and meta-analysis. <i>Mutation Research - Reviews in Mutation Research</i> , 2006, 612, 14-39.	2.4	137
18	Genotype-activity relationship for Mn-superoxide dismutase, glutathione peroxidase 1 and catalase in humans. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 279-286.	0.7	133

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19	Association of prenatal urinary phthalate metabolite concentrations and childhood BMI and obesity. <i>Pediatric Research</i> , 2017, 82, 405-415.	1.1	129
20	Genome-wide methylation data mirror ancestry information. <i>Epigenetics and Chromatin</i> , 2017, 10, 1.	1.8	120
21	CHAMACOS, A Longitudinal Birth Cohort Study: Lessons from the Fields. <i>Journal of Children S Health</i> , 2003, 1, 3-27.	0.3	117
22	Paraoxonase Polymorphisms, Haplotypes, and Enzyme Activity in Latino Mothers and Newborns. <i>Environmental Health Perspectives</i> , 2006, 114, 985-991.	2.8	113
23	Organophosphate pesticide levels in blood and urine of women and newborns living in an agricultural community. <i>Environmental Research</i> , 2012, 117, 8-16.	3.7	110
24	Current-use flame retardants: Maternal exposure and neurodevelopment in children of the CHAMACOS cohort. <i>Chemosphere</i> , 2017, 189, 574-580.	4.2	110
25	Effects of Exposure to Polychlorinated Biphenyls and Organochlorine Pesticides on Thyroid Function during Pregnancy. <i>American Journal of Epidemiology</i> , 2008, 168, 298-310.	1.6	109
26	PON1 and Neurodevelopment in Children from the CHAMACOS Study Exposed to Organophosphate Pesticides <i>in Utero</i> . <i>Environmental Health Perspectives</i> , 2010, 118, 1775-1781.	2.8	107
27	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u.	0.9	105
28	The effect of vitamins C and E on biomarkers of oxidative stress depends on baseline level. <i>Free Radical Biology and Medicine</i> , 2008, 45, 377-384.	1.3	104
29	Molecular mechanisms by which <i>in vivo</i> exposure to exogenous chemical genotoxic agents can lead to micronucleus formation in lymphocytes <i>in vivo</i> and <i>ex vivo</i> in humans. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 12-25.	2.4	98
30	Effects of Chronic and Acute Ozone Exposure on Lipid Peroxidation and Antioxidant Capacity in Healthy Young Adults. <i>Environmental Health Perspectives</i> , 2007, 115, 1732-1737.	2.8	92
31	Vitamin C treatment reduces elevated C-reactive protein. <i>Free Radical Biology and Medicine</i> , 2009, 46, 70-77.	1.3	92
32	Prenatal and childhood polybrominated diphenyl ether (PBDE) exposure and attention and executive function at 9-12 years of age. <i>Neurotoxicology and Teratology</i> , 2015, 52, 151-161.	1.2	91
33	Determinants of Organophosphorus Pesticide Urinary Metabolite Levels in Young Children Living in an Agricultural Community. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 1061-1083.	1.2	90
34	The Effects of GSTM1 and GSTT1 Polymorphisms on Micronucleus Frequencies in Human Lymphocytes <i>In vivo</i> . <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 1038-1042.	1.1	82
35	Association of Prenatal Urinary Concentrations of Phthalates and Bisphenol A and Pubertal Timing in Boys and Girls. <i>Environmental Health Perspectives</i> , 2018, 126, 97004.	2.8	82
36	Flame retardants and their metabolites in the homes and urine of pregnant women residing in California (the CHAMACOS cohort). <i>Chemosphere</i> , 2017, 179, 159-166.	4.2	81

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37	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. <i>Genome Medicine</i> , 2020, 12, 25.	3.6	81
38	Commentary: Critical questions, misconceptions and a road map for improving the use of the lymphocyte cytokinesis-block micronucleus assay for in vivo biomonitoring of human exposure to genotoxic chemicals—A HUMN project perspective. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 759, 49-58.	2.4	80
39	Prenatal Organophosphate Pesticide Exposure and Traits Related to Autism Spectrum Disorders in a Population Living in Proximity to Agriculture. <i>Environmental Health Perspectives</i> , 2018, 126, 047012.	2.8	79
40	Association of Perceived Immigration Policy Vulnerability With Mental and Physical Health Among US-Born Latino Adolescents in California. <i>JAMA Pediatrics</i> , 2019, 173, 744.	3.3	77
41	Micronuclei as biomarkers of DNA damage, aneuploidy, inducers of chromosomal hypermutation and as sources of pro-inflammatory DNA in humans. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 786, 108342.	2.4	76
42	Effects of age, sex, and persistent organic pollutants on DNA methylation in children. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 209-222.	0.9	74
43	Determining Fetal Manganese Exposure from Mantle Dentine of Deciduous Teeth. <i>Environmental Science & Technology</i> , 2012, 46, 5118-5125.	4.6	72
44	Micronuclei in neonates and children: effects of environmental, genetic, demographic and disease variables. <i>Mutagenesis</i> , 2011, 26, 51-56.	1.0	71
45	Prenatal phthalate exposure and altered patterns of DNA methylation in cord blood. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 398-410.	0.9	71
46	Manganese in teeth and neurodevelopment in young Mexican-American children. <i>Environmental Research</i> , 2015, 142, 688-695.	3.7	66
47	Comparison of DNA methylation measured by Illumina 450K and EPIC BeadChips in blood of newborns and 14-year-old children. <i>Epigenetics</i> , 2018, 13, 655-664.	1.3	65
48	Children's exposure to environmental pollutants and biomarkers of genetic damage. Overview and critical issues. <i>Mutation Research - Reviews in Mutation Research</i> , 2006, 612, 1-13.	2.4	64
49	Developmental Changes in PON1 Enzyme Activity in Young Children and Effects of PON1 Polymorphisms. <i>Environmental Health Perspectives</i> , 2009, 117, 1632-1638.	2.8	64
50	Organophosphate pesticide exposure, PON1, and neurodevelopment in school-age children from the CHAMACOS study. <i>Environmental Research</i> , 2014, 134, 149-157.	3.7	63
51	Prenatal high molecular weight phthalates and bisphenol A, and childhood respiratory and allergic outcomes. <i>Pediatric Allergy and Immunology</i> , 2019, 30, 36-46.	1.1	63
52	Validation of PON1 enzyme activity assays for longitudinal studies. <i>Clinica Chimica Acta</i> , 2009, 402, 67-74.	0.5	62
53	Bacterial microbiome of breast milk and child saliva from low-income Mexican-American women and children. <i>Pediatric Research</i> , 2016, 79, 846-854.	1.1	62
54	Considerations for normalization of DNA methylation data by Illumina 450K BeadChip assay in population studies. <i>Epigenetics</i> , 2013, 8, 1141-1152.	1.3	60

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55	Urinary Phthalate Metabolites and Biomarkers of Oxidative Stress in a Mexican-American Cohort: Variability in Early and Late Pregnancy. <i>Toxics</i> , 2016, 4, 7.	1.6	57
56	State of the art survey of the buccal micronucleus assay--a first stage in the HUMNXL project initiative. <i>Mutagenesis</i> , 2009, 24, 295-302.	1.0	56
57	Prenatal Exposure to Phthalates and Neurodevelopment in the CHAMACOS Cohort. <i>Environmental Health Perspectives</i> , 2019, 127, 107010.	2.8	55
58	Maternal phthalate exposure during pregnancy is associated with DNA methylation of LINE-1 and Alu repetitive elements in Mexican-American children. <i>Environmental Research</i> , 2016, 148, 55-62.	3.7	49
59	Associations between prenatal maternal urinary concentrations of personal care product chemical biomarkers and childhood respiratory and allergic outcomes in the CHAMACOS study. <i>Environment International</i> , 2018, 121, 538-549.	4.8	48
60	The use of the lymphocyte cytokinesis-block micronucleus assay for monitoring pesticide-exposed populations. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 183-203.	2.4	47
61	Future of environmental research in the age of epigenomics and exposomics. <i>Reviews on Environmental Health</i> , 2017, 32, 45-54.	1.1	46
62	Adiponectin and Leptin Trajectories in Mexican-American Children from Birth to 9 Years of Age. <i>PLoS ONE</i> , 2013, 8, e77964.	1.1	46
63	Cytogenetic damage in buccal epithelia and peripheral lymphocytes of young healthy individuals exposed to ozone. <i>Mutagenesis</i> , 2006, 21, 131-137.	1.0	45
64	A Comparison of PBDE Serum Concentrations in Mexican and Mexican-American Children Living in California. <i>Environmental Health Perspectives</i> , 2011, 119, 1442-1448.	2.8	44
65	Longitudinal changes in PON1 enzymatic activities in Mexican-American mothers and children with different genotypes and haplotypes. <i>Toxicology and Applied Pharmacology</i> , 2010, 244, 181-189.	1.3	43
66	Use of nasal cells in micronucleus assays and other genotoxicity studies. <i>Mutagenesis</i> , 2011, 26, 231-238.	1.0	43
67	Estimation of blood cellular heterogeneity in newborns and children for epigenome-wide association studies. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 751-758.	0.9	43
68	Prenatal phthalate, paraben, and phenol exposure and childhood allergic and respiratory outcomes: Evaluating exposure to chemical mixtures. <i>Science of the Total Environment</i> , 2020, 725, 138418.	3.9	42
69	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. <i>Genome Medicine</i> , 2020, 12, 105.	3.6	41
70	Maternal bisphenol a exposure during pregnancy and its association with adipokines in Mexican-American children. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 621-628.	0.9	39
71	Cytogenetic Damage in Blood Lymphocytes and Exfoliated Epithelial Cells of Children With Inflammatory Bowel Disease. <i>Pediatric Research</i> , 2007, 61, 209-214.	1.1	38
72	Application of a geographic information system to explore associations between air pollution and micronucleus frequencies in African American children and adults. <i>Environmental and Molecular Mutagenesis</i> , 2006, 47, 236-246.	0.9	36

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73	Levels and Determinants of DDT and DDE Exposure in the VHEMBE Cohort. <i>Environmental Health Perspectives</i> , 2017, 125, 077006.	2.8	35
74	DNA methylation of imprinted genes in Mexican-American newborn children with prenatal phthalate exposure. <i>Epigenomics</i> , 2018, 10, 1011-1026.	1.0	33
75	PON1 as a model for integration of genetic, epigenetic, and expression data on candidate susceptibility genes. <i>Environmental Epigenetics</i> , 2015, 1, .	0.9	32
76	Serum vitamin C and other biomarkers differ by genotype of phase 2 enzyme genes GSTM1 and GSTT1. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 929-937.	2.2	31
77	Associations Between Prenatal Urinary Biomarkers of Phthalate Exposure and Preterm Birth. <i>JAMA Pediatrics</i> , 2022, 176, 895.	3.3	31
78	Harmonisation of the micronucleus assay in human buccal cells--a Human Micronucleus (HUMN) project (www.humn.org) initiative commencing in 2007. <i>Mutagenesis</i> , 2006, 22, 3-4.	1.0	30
79	Prenatal Exposure to Mixtures of Phthalates, Parabens, and Other Phenols and Obesity in Five-Year-Olds in the CHAMACOS Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1796.	1.2	30
80	Metabolomic Markers of Phthalate Exposure in Plasma and Urine of Pregnant Women. <i>Frontiers in Public Health</i> , 2018, 6, 298.	1.3	29
81	Heterogeneity in childhood body mass trajectories in relation to prenatal phthalate exposure. <i>Environmental Research</i> , 2019, 175, 22-33.	3.7	27
82	DNA methylation and socioeconomic status in a Mexican-American birth cohort. <i>Clinical Epigenetics</i> , 2018, 10, 61.	1.8	26
83	Associations of PON1 and Genetic Ancestry with Obesity in Early Childhood. <i>PLoS ONE</i> , 2013, 8, e62565.	1.1	25
84	Risk Factors Associated With SARS-CoV-2 Infection Among Farmworkers in Monterey County, California. <i>JAMA Network Open</i> , 2021, 4, e2124116.	2.8	25
85	Meta-analysis of epigenome-wide association studies in newborns and children show widespread sex differences in blood DNA methylation. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 789, 108415.	2.4	24
86	Folate concentrations in pediatric patients with newly diagnosed inflammatory bowel disease. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 545-550.	2.2	23
87	Relationship between expression and methylation of obesity-related genes in children. <i>Mutagenesis</i> , 2015, 30, 411-420.	1.0	23
88	Inter-laboratory consistency and variability in the buccal micronucleus cytome assay depends on biomarker scored and laboratory experience: results from the HUMNxl international inter-laboratory scoring exercise. <i>Mutagenesis</i> , 2016, 32, gew047.	1.0	23
89	Prevalence and Clinical Profile of Severe Acute Respiratory Syndrome Coronavirus 2 Infection among Farmworkers, California, USA, June-November 2020. <i>Emerging Infectious Diseases</i> , 2021, 27, 1330-1342.	2.0	23
90	Traffic-related air pollution is associated with glucose dysregulation, blood pressure, and oxidative stress in children. <i>Environmental Research</i> , 2021, 195, 110870.	3.7	22

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91	PON1 DNA methylation and neurobehavior in Mexican-American children with prenatal organophosphate exposure. <i>Environment International</i> , 2018, 121, 31-40.	4.8	21
92	Effects of <i>PON1</i> polymorphisms and haplotypes on molecular phenotype in Mexican-American mothers and children. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 105-116.	0.9	18
93	Recent progress in the genetics and epigenetics of paraoxonase. <i>Current Opinion in Pediatrics</i> , 2015, 27, 240-247.	1.0	18
94	Maternal adverse childhood experiences before pregnancy are associated with epigenetic aging changes in their children. <i>Aging</i> , 2021, 13, 25653-25669.	1.4	18
95	Serum Persistent Organic Pollutants and Duration of Lactation among Mexican-American Women. <i>Journal of Environmental and Public Health</i> , 2010, 2010, 1-11.	0.4	17
96	Reduced Intracellular T-Helper 1 Interferon-Gamma in Blood of Newly Diagnosed Children With Crohn's Disease and Age-Related Changes in Th1/Th2 Cytokine Profiles. <i>Pediatric Research</i> , 2008, 63, 257-262.	1.1	16
97	miRNAs differentially expressed by next-generation sequencing in cord blood buffy coat samples of boys and girls. <i>Epigenomics</i> , 2016, 8, 1619-1635.	1.0	16
98	Associations between perinatal factors and adiponectin and leptin in 9-year-old Mexican-American children. <i>Pediatric Obesity</i> , 2013, 8, 454-463.	1.4	15
99	Human urinary mutagenicity after wood smoke exposure during traditional temazcal use. <i>Mutagenesis</i> , 2014, 29, 367-377.	1.0	15
100	Vitamin C intervention may lower the levels of persistent organic pollutants in blood of healthy women – A pilot study. <i>Food and Chemical Toxicology</i> , 2016, 92, 197-204.	1.8	15
101	DNA methylation of LINE-1 and Alu repetitive elements in relation to sex hormones and pubertal timing in Mexican-American children. <i>Pediatric Research</i> , 2016, 79, 855-862.	1.1	15
102	Prenatal exposure to phthalates and maternal metabolic outcomes in a high-risk pregnant Latina population. <i>Environmental Research</i> , 2021, 194, 110712.	3.7	15
103	CpG Methylation across the adipogenic PPAR β gene and its relationship with birthweight and child BMI at 9 years. <i>BMC Medical Genetics</i> , 2017, 18, 7.	2.1	13
104	Dioxin exposure associated with fecundability and infertility in mothers and daughters of Seveso, Italy. <i>Human Reproduction</i> , 2021, 36, 794-807.	0.4	13
105	Meta-analysis of epigenome-wide associations between DNA methylation at birth and childhood cognitive skills. <i>Molecular Psychiatry</i> , 2022, 27, 2126-2135.	4.1	13
106	Ozone inhalation leads to a dose-dependent increase of cytogenetic damage in human lymphocytes. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 378-387.	0.9	12
107	Dietary intake and household exposures as predictors of urinary concentrations of high molecular weight phthalates and bisphenol A in a cohort of adolescents. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 37-47.	1.8	12
108	Deportation Worry, Cardiovascular Disease Risk Factor Trajectories, and Incident Hypertension: A Community-Based Cohort Study. <i>Journal of the American Heart Association</i> , 2019, 8, e013086.	1.6	10

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109	Traffic-related air pollution, biomarkers of metabolic dysfunction, oxidative stress, and CC16 in children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 530-537.	1.8	10
110	Polybrominated Diphenyl Ethers, Polychlorinated Biphenyls, and 2,2-Bis(4-chlorophenyl)-1,1-dichloroethene in 7- and 9-Year-Old Children and Their Mothers in the Center for the Health Assessment of Mothers and Children of Salinas Cohort. <i>Environmental Science & Technology</i> , 2018, 52, 2287-2294.	4.6	9
111	Genetic modification of the effect of maternal household air pollution exposure on birth weight in Guatemalan newborns. <i>Reproductive Toxicology</i> , 2014, 50, 19-26.	1.3	8
112	AHR gene-dioxin interactions and birthweight in the Seveso Second Generation Health Study. <i>International Journal of Epidemiology</i> , 2018, 47, 1992-2004.	0.9	8
113	Age-Related Differences in miRNA Expression in Mexican-American Newborns and Children. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 524.	1.2	8
114	Cytokine Profiles in Peripheral Blood of Children and Adults With Crohn Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012, 54, 769-775.	0.9	7
115	Pregnancy lipidomic profiles and DNA methylation in newborns from the CHAMACOS cohort. <i>Environmental Epigenetics</i> , 2019, 5, dvz004.	0.9	7
116	Is There an Association Between Lifetime Cumulative Exposure and Acute Pulmonary Responses to Ozone?. <i>Journal of Occupational and Environmental Medicine</i> , 2008, 50, 341-349.	0.9	6
117	5-Hydroxymethylcytosine in cord blood and associations of DNA methylation with sex in newborns. <i>Mutagenesis</i> , 2019, 34, 315-322.	1.0	5
118	Early-Life Home Environment and Obesity in a Mexican American Birth Cohort: The CHAMACOS Study. <i>Psychosomatic Medicine</i> , 2019, 81, 209-219.	1.3	2
119	Comparison of DNA methylation measurements from EPIC BeadChip and SeqCap targeted bisulphite sequencing in PON1 and nine additional candidate genes. <i>Epigenetics</i> , 2022, 17, 1944-1955.	1.3	1
120	Mixture effects of air pollutants on children's urinary levels of 8-isoprostane, a biomarker of oxidative stress. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0