

# Valentina Bollati

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2572212/valentina-bollati-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

173 papers	9,779 citations	46 h-index	96 g-index
183 ext. papers	11,586 ext. citations	6 avg, IF	6.15 L-index

#	Paper	IF	Citations
173	Peripheral mitochondrial DNA, telomere length and DNA methylation as predictors of live birth in in vitro fertilization cycles.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0261591	3.7	0
172	Insights into the identification of a molecular signature for amyotrophic lateral sclerosis exploiting integrated microRNA profiling of iPSC-derived motor neurons and exosomes.. <i>Cellular and Molecular Life Sciences</i> , <b>2022</b> , 79, 189	10.3	0
171	A serological investigation in Southern Italy: was SARS-CoV-2 circulating in late 2019?. <i>Human Vaccines and Immunotherapeutics</i> , <b>2022</b> , 1-9	4.4	1
170	Maternal air pollution exposure during the first trimester of pregnancy and markers of inflammation and endothelial dysfunction.. <i>Environmental Research</i> , <b>2022</b> , 212, 113216	7.9	1
169	Epigenetic Profiling in the Saliva of Obese Pregnant Women. <i>Nutrients</i> , <b>2022</b> , 14, 2122	6.7	1
168	Associations Among PCSK9 Levels, Atherosclerosis-Derived Extracellular Vesicles, and Their miRNA Content in Adults With Obesity.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 785250	5.4	0
167	Extracellular Vesicles: Footprints of environmental exposures in the aging process?. <i>Current Environmental Health Reports</i> , <b>2021</b> , 1	6.5	0
166	Evaluation and correlation between SARS-CoV-2 neutralizing and binding antibodies in convalescent and vaccinated subjects. <i>Journal of Immunological Methods</i> , <b>2021</b> , 500, 113197	2.5	2
165	Exposure study on susceptible people - SPES: An integrative biomonitoring approach. <i>Environment International</i> , <b>2021</b> , 158, 106931	12.9	
164	Unexpected detection of SARS-CoV-2 antibodies in the prepandemic period in Italy. <i>Tumori</i> , <b>2021</b> , 107, 446-451	1.7	74
163	Detection of IgM, IgG and SARS-CoV-2 RNA among the personnel of the University of Milan, March through May 2020: the UNICORN study. <i>BMJ Open</i> , <b>2021</b> , 11, e046800	3	4
162	Plasma Metabolomic Profiling in 1391 Subjects with Overweight and Obesity from the SPHERE Study. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	6
161	Association between follicular fluid phthalate concentrations and extracellular vesicle microRNAs expression. <i>Human Reproduction</i> , <b>2021</b> , 36, 1590-1599	5.7	2
160	Exposure to fine particulate matter (PM) hampers myelin repair in a mouse model of white matter demyelination. <i>Neurochemistry International</i> , <b>2021</b> , 145, 104991	4.4	1
159	Environmental and biological monitoring of personal exposure to air pollutants of adult people living in a metropolitan area. <i>Science of the Total Environment</i> , <b>2021</b> , 767, 144916	10.2	6
158	Prognostic parameters of in-hospital mortality in COVID-19 patients-An Italian experience. <i>European Journal of Clinical Investigation</i> , <b>2021</b> , 51, e13629	4.6	12
157	An EBC/Plasma miRNA Signature Discriminates Lung Adenocarcinomas From Pleural Mesothelioma and Healthy Controls. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 643280	5.3	0

156	Stress Modifies the Expression of Glucocorticoid-Responsive Genes by Acting at Epigenetic Levels in the Rat Prefrontal Cortex: Modulatory Activity of Lurasidone. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	7
155	Characterization of antibody response in asymptomatic and symptomatic SARS-CoV-2 infection. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253977	3.7	11
154	Is There an Association Between Oxytocin Levels in Plasma and Pregnant Women's Mental Health?. <i>Journal of the American Psychiatric Nurses Association</i> , <b>2021</b> , 27, 222-230	1.8	9
153	Effects of PM Exposure on the Methylation of Clock Genes in a Population of Subjects with Overweight or Obesity. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4
152	The role of extracellular vesicles in rheumatoid arthritis: a systematic review. <i>Clinical Rheumatology</i> , <b>2021</b> , 40, 3481-3497	3.9	4
151	The Independent Role of Body Mass Index (BMI) and Severity of Depressive Symptoms on Biological Changes of Women Affected by Overweight/Obesity. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	6
150	The Methylation of Clock Genes in Perinatal Depression: Which Role for Oxytocin?. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 734825	5	1
149	Epidemic Preparedness- as an Easy-to-Handle Tool to Produce Antigens for Viral Diagnosis: Application to COVID-19.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 736530	5.7	1
148	HDL in COVID-19 Patients: Evidence from an Italian Cross-Sectional Study.. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	2
147	Timeline of SARS-CoV-2 Spread in Italy: Results from an Independent Serological Retesting.. <i>Viruses</i> , <b>2021</b> , 14,	6.2	1
146	INSIDE Project: Individual Air Pollution Exposure, Extracellular Vesicles Signaling and Hypertensive Disorder Development in Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3
145	Air pollution as a contributor to the inflammatory activity of multiple sclerosis. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 334	10.1	10
144	DNA methylation level in blood and relations to breast cancer, risk factors and environmental exposure in Greenlandic Inuit women. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2020</b> , 127, 338-350	3.1	7
143	The liaison between respiratory failure and high blood pressure: evidence from COVID-19 patients. <i>European Respiratory Journal</i> , <b>2020</b> , 56,	13.6	24
142	Prenatal particulate air pollution and newborn telomere length: Effect modification by maternal antioxidant intakes and infant sex. <i>Environmental Research</i> , <b>2020</b> , 187, 109707	7.9	12
141	SARS-CoV-2 infection among asymptomatic homebound subjects in Milan, Italy. <i>European Journal of Internal Medicine</i> , <b>2020</b> , 78, 161-163	3.9	9
140	Platelet mitochondrial DNA methylation predicts future cardiovascular outcome in adults with overweight and obesity. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 29	7.7	18
139	Human endogenous retroviruses env gene expression and long terminal repeat methylation in colorectal cancer patients. <i>Medical Microbiology and Immunology</i> , <b>2020</b> , 209, 189-199	4	5

138	Nasal Microbiota Modifies the Effects of Particulate Air Pollution on Plasma Extracellular Vesicles. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3
137	Particulate Air Pollution, Clock Gene Methylation, and Stroke: Effects on Stroke Severity and Disability. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
136	Assessment of innate immune response activation following the injection of extracellular vesicles isolated from human cell cultures in zebrafish embryos. <i>Methods in Enzymology</i> , <b>2020</b> , 645, 277-295	1.7	1
135	Personalised Medicine: implication and perspectives in the field of occupational health. <i>Medicina Del Lavoro</i> , <b>2020</b> , 111, 425-444	1.9	4
134	Is perinatal major depression affecting obstetrical outcomes? Commentary on "Impact of maternal depression on perinatal outcome in hospitalized women-a prospective study". <i>Archives of Women's Mental Health</i> , <b>2020</b> , 23, 595-596	5	3
133	Understanding the effects of air pollution on neurogenesis and gliogenesis in the growing and adult brain. <i>Current Opinion in Pharmacology</i> , <b>2020</b> , 50, 61-66	5.1	15
132	Is in vitro fertilization (IVF) associated with perinatal affective disorders?. <i>Journal of Affective Disorders</i> , <b>2020</b> , 277, 271-278	6.6	2
131	Blood-derived extracellular vesicles isolated from healthy donors exposed to air pollution modulate in vitro endothelial cells behavior. <i>Scientific Reports</i> , <b>2020</b> , 10, 20138	4.9	2
130	Serological follow-up of SARS-CoV-2 asymptomatic subjects. <i>Scientific Reports</i> , <b>2020</b> , 10, 20048	4.9	39
129	Human Endogenous Retroviruses Long Terminal Repeat Methylation, Transcription, and Protein Expression in Human Colon Cancer. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 569015	5.3	5
128	Relevant non-pharmacologic topics for clinical research in rheumatic musculoskeletal diseases: The patient perspective. <i>International Journal of Rheumatic Diseases</i> , <b>2020</b> , 23, 1305-1310	2.3	5
127	The Efficacy of the Mineralcorticoid Receptor Antagonist Canrenone in COVID-19 Patients. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	7
126	The effects of everyday-life exposure to polycyclic aromatic hydrocarbons on biological age indicators. <i>Environmental Health</i> , <b>2020</b> , 19, 128	6	13
125	Effects of an acute bout of exercise on circulating extracellular vesicles: tissue-, sex-, and BMI-related differences. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 1108-1118	5.5	27
124	Targeted resequencing of FECH locus reveals that a novel deep intronic pathogenic variant and eQTLs may cause erythropoietic protoporphyria (EPP) through a methylation-dependent mechanism. <i>Genetics in Medicine</i> , <b>2020</b> , 22, 35-43	8.1	10
123	Out-of-hospital cardiac arrests in a large metropolitan area: synergistic effect of exposure to air particulates and high temperature. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> , 27, 513-519	3.9	7
122	Particulate matter exposure shapes DNA methylation through the lifespan. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 129	7.7	35
121	Inflammatory role of extracellular sphingolipids in Cystic Fibrosis. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2019</b> , 116, 105622	5.6	3

120	Supraphysiological Concentrations of Bisphenol A Alter the Expression of Extracellular Vesicle-Enriched miRNAs From Human Primary Granulosa Cells. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 5-13	4.4	10
119	Body mass index in relation to extracellular vesicle-linked microRNAs in human follicular fluid. <i>Fertility and Sterility</i> , <b>2019</b> , 112, 387-396.e3	4.8	8
118	miR-22-5p and miR-29a-5p Are Reliable Reference Genes for Analyzing Extracellular Vesicle-Associated miRNAs in Adipose-Derived Mesenchymal Stem Cells and Are Stable under Inflammatory Priming Mimicking Osteoarthritis Condition. <i>Stem Cell Reviews and Reports</i> , <b>2019</b> , 15, 743-754	7.3	15
117	Inter-generational resemblance of methylation levels at circadian genes and associations with phenology in the barn swallow. <i>Scientific Reports</i> , <b>2019</b> , 9, 6505	4.9	1
116	Insights into Inflammatory Priming of Adipose-Derived Mesenchymal Stem Cells: Validation of Extracellular Vesicles-Embedded miRNA Reference Genes as A Crucial Step for Donor Selection. <i>Cells</i> , <b>2019</b> , 8,	7.9	13
115	Identification of miRNA Reference Genes in Extracellular Vesicles from Adipose Derived Mesenchymal Stem Cells for Studying Osteoarthritis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	25
114	Interaction with hyaluronan matrix and miRNA cargo as contributors for in vitro potential of mesenchymal stem cell-derived extracellular vesicles in a model of human osteoarthritic synoviocytes. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 109	8.3	35
113	Tiotropium inhibits proinflammatory microparticle generation by human bronchial and endothelial cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 11631	4.9	3
112	Effects of Physical Exercise on Endothelial Function and DNA Methylation. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	14
111	Extracellular Vesicles Released by Colorectal Cancer Cell Lines Modulate Innate Immune Response in Zebrafish Model: The Possible Role of Human Endogenous Retroviruses. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
110	Central metabolism of functionally heterogeneous mesenchymal stromal cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 15420	4.9	7
109	Molecular and epigenetic markers as promising tools to quantify the effect of occupational exposures and the risk of developing non-communicable diseases. <i>Medicina Del Lavoro</i> , <b>2019</b> , 110, 168-190	1.9	2
108	Maternal cortisol output in pregnancy and newborn telomere length: Evidence for sex-specific effects. <i>Psychoneuroendocrinology</i> , <b>2019</b> , 102, 225-235	5	26
107	miRNAs and lncRNAs as Biomarkers of Toxicant Exposure <b>2019</b> , 237-247		1
106	Methods for Analyzing miRNA Expression <b>2019</b> , 379-405		0
105	Long-term exposure to air pollution raises circulating levels of proprotein convertase subtilisin/kexin type 9 in obese individuals. <i>European Journal of Preventive Cardiology</i> , <b>2019</b> , 26, 578-588	3.9	25
104	Urinary concentrations of phenols and phthalate metabolites reflect extracellular vesicle microRNA expression in follicular fluid. <i>Environment International</i> , <b>2019</b> , 123, 20-28	12.9	23
103	50-Hz MF does not affect global DNA methylation of SH-SY5Y cells treated with the neurotoxin MPP. <i>Bioelectromagnetics</i> , <b>2019</b> , 40, 33-41	1.6	4

102	Regulatory T cell-derived extracellular vesicles modify dendritic cell function. <i>Scientific Reports</i> , <b>2018</b> , 8, 6065	4.9	85
101	Placental promoter methylation of DNA repair genes and prenatal exposure to particulate air pollution: an ENVIRONAGE cohort study. <i>Lancet Planetary Health</i> , <b>2018</b> , 2, e174-e183	9.8	37
100	Short-term particulate matter exposure influences nasal microbiota in a population of healthy subjects. <i>Environmental Research</i> , <b>2018</b> , 162, 119-126	7.9	29
99	Acute particulate matter affects cardiovascular autonomic modulation and IFN- $\gamma$ methylation in healthy volunteers. <i>Environmental Research</i> , <b>2018</b> , 161, 97-103	7.9	28
98	Placental circadian pathway methylation and in utero exposure to fine particle air pollution. <i>Environment International</i> , <b>2018</b> , 114, 231-241	12.9	35
97	The protocol of a population-based prospective cohort study in southwest of Iran to analyze common non-communicable diseases: Shahrekord cohort study. <i>BMC Public Health</i> , <b>2018</b> , 18, 660	4.1	15
96	Sterol 27-Hydroxylase Polymorphism Significantly Associates With Shorter Telomere, Higher Cardiovascular and Type-2 Diabetes Risk in Obese Subjects. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 309	5.7	11
95	Epigenetic and Transcriptional Modifications in Repetitive Elements in Petrol Station Workers Exposed to Benzene and MTBE. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	14
94	MicroRNA expression analysis identifies a subset of downregulated miRNAs in ALS motor neuron progenitors. <i>Scientific Reports</i> , <b>2018</b> , 8, 10105	4.9	37
93	Is there a link between air pollution and mental disorders?. <i>Environment International</i> , <b>2018</b> , 118, 154-168	2.9	118
92	Sex differences in effects of maternal risk and protective factors in childhood and pregnancy on newborn telomere length. <i>Psychoneuroendocrinology</i> , <b>2018</b> , 95, 74-85	5	36
91	Tumor-derived microRNAs induce myeloid suppressor cells and predict immunotherapy resistance in melanoma. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 5505-5516	15.9	120
90	The role of clock genes in the etiology of Major Depressive Disorder: Special Section on "Translational and Neuroscience Studies in Affective Disorders". Section Editor, Maria Nobile MD, PhD. This Section of JAD focuses on the relevance of translational and neuroscience studies in providing a better understanding of the neural basis of affective disorders. The main aim is to	6.6	18
89	Air pollution is associated to the multiple sclerosis inflammatory activity as measured by brain MRI. <i>Multiple Sclerosis Journal</i> , <b>2018</b> , 24, 1578-1584	5	25
88	Particulate Air Pollution, Blood Mitochondrial DNA Copy Number, and Telomere Length in Mothers in the First Trimester of Pregnancy: Effects on Fetal Growth. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 5162905	6.7	24
87	Extracellular microRNAs profile in human follicular fluid and IVF outcomes. <i>Scientific Reports</i> , <b>2018</b> , 8, 17036	4.9	40
86	Global methylation patterns in primary plasma cell leukemia. <i>Leukemia Research</i> , <b>2018</b> , 73, 95-102	2.7	9
85	Dietary Intervention Modifies DNA Methylation Age Assessed by the Epigenetic Clock. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800092	5.9	37

84	Particulate matter exposure increases JC polyomavirus replication in the human host. <i>Environmental Pollution</i> , <b>2018</b> , 241, 234-239	9.3	8
83	PM10 exposure is associated with increased hospitalizations for respiratory syncytial virus bronchiolitis among infants in Lombardy, Italy. <i>Environmental Research</i> , <b>2018</b> , 166, 452-457	7.9	54
82	Extracellular MicroRNA Signature of Human Helper T Cell Subsets in Health and Autoimmunity. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 2903-2915	5.4	40
81	Extracellular Vesicles: How the External and Internal Environment Can Shape Cell-To-Cell Communication. <i>Current Environmental Health Reports</i> , <b>2017</b> , 4, 30-37	6.5	31
80	Short-term particulate matter exposure induces extracellular vesicle release in overweight subjects. <i>Environmental Research</i> , <b>2017</b> , 155, 228-234	7.9	22
79	Extracellular Vesicle-Shuttled mRNA in Mesenchymal Stem Cell Communication. <i>Stem Cells</i> , <b>2017</b> , 35, 1093-1105	5.8	77
78	Migration phenology and breeding success are predicted by methylation of a photoperiodic gene in the barn swallow. <i>Scientific Reports</i> , <b>2017</b> , 7, 45412	4.9	32
77	In vitro hydroquinone-induced instauration of histone bivalent mark on human retroelements (LINE-1) in HL60 cells. <i>Toxicology in Vitro</i> , <b>2017</b> , 40, 1-10	3.6	6
76	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , <b>2017</b> , 541, 81-86	50.4	511
75	Plasmatic extracellular vesicle microRNAs in malignant pleural mesothelioma and asbestos-exposed subjects suggest a 2-miRNA signature as potential biomarker of disease. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176680	3.7	50
74	Extracellular vesicle-packaged miRNA release after short-term exposure to particulate matter is associated with increased coagulation. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 32	8.4	60
73	Effects of metal-rich particulate matter exposure on exogenous and endogenous viral sequence methylation in healthy steel-workers. <i>Environmental Research</i> , <b>2017</b> , 159, 452-457	7.9	8
72	Evaluation of DNA methylation of inflammatory genes following treatment of chronic periodontitis: A pilot case-control study. <i>Journal of Clinical Periodontology</i> , <b>2017</b> , 44, 905-914	7.7	17
71	Particulate matter exposure is associated with inflammatory gene methylation in obese subjects. <i>Environmental Research</i> , <b>2017</b> , 152, 478-484	7.9	33
70	Methylation of the circadian Clock gene in the offspring of a free-living passerine bird increases with maternal and individual exposure to PM. <i>Environmental Pollution</i> , <b>2017</b> , 220, 29-37	9.3	10
69	DNA methylation changes in Mexican children exposed to arsenic from two historic mining areas in San Luis potosí. <i>Environmental and Molecular Mutagenesis</i> , <b>2016</b> , 57, 717-723	3.2	15
68	Titanium dioxide nanoparticles: occupational exposure assessment in the photocatalytic paving production. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	8
67	Hydroquinone induces DNA hypomethylation-independent overexpression of retroelements in human leukemia and hematopoietic stem cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 474, 691-695	3.4	10

66	MicroRNAs are associated with blood-pressure effects of exposure to particulate matter: Results from a mediated moderation analysis. <i>Environmental Research</i> , <b>2016</b> , 146, 274-81	7.9	19
65	Effects of particulate matter exposure on multiple sclerosis hospital admission in Lombardy region, Italy. <i>Environmental Research</i> , <b>2016</b> , 145, 68-73	7.9	55
64	BDNF rs6265 methylation and genotype interact on risk for schizophrenia. <i>Epigenetics</i> , <b>2016</b> , 11, 11-23	5.7	40
63	Epigenomic Studies in Epidemiology <b>2016</b> , 163-182		1
62	Mitochondrial oxidative DNA damage and exposure to particulate air pollution in mother-newborn pairs. <i>Environmental Health</i> , <b>2016</b> , 15, 10	6	59
61	Particulate matter induces prothrombotic microparticle shedding by human mononuclear and endothelial cells. <i>Toxicology in Vitro</i> , <b>2016</b> , 32, 333-8	3.6	30
60	TNF-Related Apoptosis-Inducing Ligand (TRAIL)-Armed Exosomes Deliver Proapoptotic Signals to Tumor Site. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 3499-512	12.9	123
59	Prenatal exposure to mixtures of xenoestrogens and genome-wide DNA methylation in human placenta. <i>Epigenomics</i> , <b>2016</b> , 8, 43-54	4.4	13
58	Titanium and Zirconium Levels Are Associated with Changes in MicroRNAs Expression: Results from a Human Cross-Sectional Study on Obese Population. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161916	3.7	11
57	Engineered nanomaterials exposure in the production of graphene. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 812-821	3.4	12
56	Genome-wide DNA methylation study in human placenta identifies novel loci associated with maternal smoking during pregnancy. <i>International Journal of Epidemiology</i> , <b>2016</b> , 45, 1644-1655	7.8	55
55	Extracellular vesicle-driven information mediates the long-term effects of particulate matter exposure on coagulation and inflammation pathways. <i>Toxicology Letters</i> , <b>2016</b> , 259, 143-150	4.4	28
54	Microvesicle-associated microRNA expression is altered upon particulate matter exposure in healthy workers and in A549 cells. <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 59-67	4.1	66
53	Epigenome-wide association of DNA methylation markers in peripheral blood from Indian Asians and Europeans with incident type 2 diabetes: a nested case-control study. <i>Lancet Diabetes and Endocrinology</i> , <b>2015</b> , 3, 526-534	18.1	277
52	Identification of RNA polymerase III-transcribed Alu loci by computational screening of RNA-Seq data. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 817-35	20.1	45
51	MicroRNAs as potential signatures of environmental exposure or effect: a systematic review. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 399-411	8.4	205
50	Time-dependent release of extracellular vesicle subpopulations in tumor CABA1 cells. <i>Oncology Reports</i> , <b>2015</b> , 34, 2752-9	3.5	7
49	Quantitative analysis of methylation defects and correlation with clinical characteristics in patients with pseudohypoparathyroidism type I and GNAS epigenetic alterations. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E508-17	5.6	42

48	Extracellular histones mediate the effects of metal-rich air particles on blood coagulation. <i>Environmental Research</i> , <b>2014</b> , 132, 76-82	7.9	11
47	Relevance of telomere/telomerase system impairment in early stage chronic lymphocytic leukemia. <i>Genes Chromosomes and Cancer</i> , <b>2014</b> , 53, 612-21	5	32
46	Nutrients intake is associated with DNA methylation of candidate inflammatory genes in a population of obese subjects. <i>Nutrients</i> , <b>2014</b> , 6, 4625-39	6.7	35
45	Susceptibility to particle health effects, miRNA and exosomes: rationale and study protocol of the SPHERE study. <i>BMC Public Health</i> , <b>2014</b> , 14, 1137	4.1	29
44	Does enhancement of oxidative stress markers mediate health effects of ambient air particles?. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 46-51	8.4	12
43	Blood DNA methylation, nevi number, and the risk of melanoma. <i>Melanoma Research</i> , <b>2014</b> , 24, 480-7	3.3	16
42	Aberrant methylation of hypermethylated-in-cancer-1 and exocyclic DNA adducts in tobacco smokers. <i>Toxicological Sciences</i> , <b>2014</b> , 137, 47-54	4.4	20
41	Association between blood pressure and DNA methylation of retrotransposons and pro-inflammatory genes. <i>International Journal of Epidemiology</i> , <b>2013</b> , 42, 270-80	7.8	45
40	Integrative Analysis of miRNA and inflammatory gene expression after acute particulate matter exposure. <i>Toxicological Sciences</i> , <b>2013</b> , 132, 307-16	4.4	58
39	Allergen sensitization is associated with increased DNA methylation in older men. <i>International Archives of Allergy and Immunology</i> , <b>2013</b> , 161, 37-43	3.7	14
38	Predictors of global methylation levels in blood DNA of healthy subjects: a combined analysis. <i>International Journal of Epidemiology</i> , <b>2012</b> , 41, 126-39	7.8	177
37	Arsenic exposure and DNA methylation among elderly men. <i>Epidemiology</i> , <b>2012</b> , 23, 668-76	3.1	72
36	DNA methylation differences in exposed workers and nearby residents of the Ma Ta Phut industrial estate, Rayong, Thailand. <i>International Journal of Epidemiology</i> , <b>2012</b> , 41, 1753-60; discussion 1761-3	7.8	46
35	Nasal cell DNA methylation, inflammation, lung function and wheezing in children with asthma. <i>Epigenomics</i> , <b>2012</b> , 4, 91-100	4.4	54
34	Alu and LINE-1 methylation and lung function in the normative ageing study. <i>BMJ Open</i> , <b>2012</b> , 2,	3	30
33	Increased mitochondrial DNA copy number in occupations associated with low-dose benzene exposure. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 210-5	8.4	81
32	Urinary benzene biomarkers and DNA methylation in Bulgarian petrochemical workers: study findings and comparison of linear and beta regression models. <i>PLoS ONE</i> , <b>2012</b> , 7, e50471	3.7	42
31	On the interplay of telomeres, nevi and the risk of melanoma. <i>PLoS ONE</i> , <b>2012</b> , 7, e52466	3.7	15

30	Global DNA methylation and low-level exposure to benzene. <i>Medicina Del Lavoro</i> , <b>2012</b> , 103, 84-95	1.9	33
29	Epigenetics and lifestyle. <i>Epigenomics</i> , <b>2011</b> , 3, 267-77	4.4	294
28	DNA methylation in repetitive elements and Alzheimer disease. <i>Brain, Behavior, and Immunity</i> , <b>2011</b> , 25, 1078-83	16.6	157
27	Repetitive element hypomethylation in blood leukocyte DNA and cancer incidence, prevalence, and mortality in elderly individuals: the Normative Aging Study. <i>Cancer Causes and Control</i> , <b>2011</b> , 22, 437-47	2.8	65
26	Folate network genetic variation, plasma homocysteine, and global genomic methylation content: a genetic association study. <i>BMC Medical Genetics</i> , <b>2011</b> , 12, 150	2.1	21
25	Biological and clinical relevance of quantitative global methylation of repetitive DNA sequences in chronic lymphocytic leukemia. <i>Epigenetics</i> , <b>2011</b> , 6, 188-94	5.7	50
24	Stress-related methylation of the catechol-O-methyltransferase Val 158 allele predicts human prefrontal cognition and activity. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 6692-8	6.6	159
23	Inhalable metal-rich air particles and histone H3K4 dimethylation and H3K9 acetylation in a cross-sectional study of steel workers. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 964-9	8.4	115
22	Prognostic Significance of Telomere Length in Chronic Lymphocytic Leukemia Patients in Early Stage Disease,. <i>Blood</i> , <b>2011</b> , 118, 3890-3890	2.2	
21	Environmental epigenetics. <i>Heredity</i> , <b>2010</b> , 105, 105-12	3.6	373
20	Biomarkers of lead exposure and DNA methylation within retrotransposons. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 790-5	8.4	179
19	Exposure to metal-rich particulate matter modifies the expression of candidate microRNAs in peripheral blood leukocytes. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 763-8	8.4	254
18	Repetitive element DNA methylation and circulating endothelial and inflammation markers in the VA normative aging study. <i>Epigenetics</i> , <b>2010</b> , 5, 222-8	5.7	91
17	Epigenetic effects of shiftwork on blood DNA methylation. <i>Chronobiology International</i> , <b>2010</b> , 27, 1093-104	3.4	50
16	Pseudohypoparathyroidism and GNAS epigenetic defects: clinical evaluation of albright hereditary osteodystrophy and molecular analysis in 40 patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 651-8	5.6	135
15	Shorter telomere length in peripheral blood lymphocytes of workers exposed to polycyclic aromatic hydrocarbons. <i>Carcinogenesis</i> , <b>2010</b> , 31, 216-21	4.6	115
14	Ischemic heart disease and stroke in relation to blood DNA methylation. <i>Epidemiology</i> , <b>2010</b> , 21, 819-28	3.1	278
13	Blood leukocyte DNA hypomethylation and gastric cancer risk in a high-risk Polish population. <i>International Journal of Cancer</i> , <b>2010</b> , 127, 1866-74	7.5	94

12	Environmental Particulate Matter and Genetic Alterations: Tarantini et al. Respond. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117,	8.4	78
11	Epigenetics and environmental chemicals. <i>Current Opinion in Pediatrics</i> , <b>2009</b> , 21, 243-51	3.2	664
10	LINE-1 methylation in plasma DNA as a biomarker of activity of DNA methylation inhibitors in patients with solid tumors. <i>Epigenetics</i> , <b>2009</b> , 4, 176-84	5.7	50
9	Differential repetitive DNA methylation in multiple myeloma molecular subgroups. <i>Carcinogenesis</i> , <b>2009</b> , 30, 1330-5	4.6	91
8	Rapid DNA methylation changes after exposure to traffic particles. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 179, 572-8	10.2	522
7	Decline in genomic DNA methylation through aging in a cohort of elderly subjects. <i>Mechanisms of Ageing and Development</i> , <b>2009</b> , 130, 234-9	5.6	450
6	Global and gene-specific promoter methylation changes are related to anti-B[a]PDE-DNA adduct levels and influence micronuclei levels in polycyclic aromatic hydrocarbon-exposed individuals. <i>International Journal of Cancer</i> , <b>2009</b> , 125, 1692-7	7.5	125
5	Development and validation of a gas chromatography/mass spectrometry method for the assessment of genomic DNA methylation. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 2637-46	2.2	32
4	Effects of particulate matter on genomic DNA methylation content and iNOS promoter methylation. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 217-22	8.4	277
3	Global DNA hypomethylation is associated with high serum-persistent organic pollutants in Greenlandic Inuit. <i>Environmental Health Perspectives</i> , <b>2008</b> , 116, 1547-52	8.4	277
2	Repetitive DNA Hypomethylation in Multiple Myeloma. <i>Blood</i> , <b>2008</b> , 112, 2703-2703	2.2	1
1	Changes in DNA methylation patterns in subjects exposed to low-dose benzene. <i>Cancer Research</i> , <b>2007</b> , 67, 876-80	10.1	508