Andrea Borghini

List of Publications by Year
in descending order

40 papers	951 citations	430442 18 h-index	454577 30 g-index
40 all docs	40 docs citations	40 times ranked	1726 citing authors

#	Article	IF	Citations
1	Subclinical Carotid Atherosclerosis and EarlyÂVascular Aging From Long-Term Low-DoseÂIonizing Radiation Exposure. JACC: Cardiovascular Interventions, 2015, 8, 616-627.	1.1	135
2	Ionizing radiation and atherosclerosis: Current knowledge and future challenges. Atherosclerosis, 2013, 230, 40-47.	0.4	88
3	Effects of Mountain Ultra-Marathon Running on ROS Production and Oxidative Damage by Micro-Invasive Analytic Techniques. PLoS ONE, 2015, 10, e0141780.	1.1	84
4	Chronic and acute effects of endurance training on telomere length. Mutagenesis, 2015, 30, 711-716.	1.0	58
5	DNA Damage and Repair in Atherosclerosis: Current Insights and Future Perspectives. International Journal of Molecular Sciences, 2012, 13, 16929-16944.	1.8	52
6	DNA modifications in atherosclerosis: From the past to the future. Atherosclerosis, 2013, 230, 202-209.	0.4	51
7	Arsenic exposure, genetic susceptibility and leukocyte telomere length in an Italian young adult population. Mutagenesis, 2016, 31, 539-546.	1.0	30
8	Prognostic value of mitochondrial DNA4977 deletion and mitochondrial DNA copy number in patients with stable coronary artery disease. Atherosclerosis, 2018, 276, 91-97.	0.4	29
9	Low-Dose Exposure to Ionizing Radiation Deregulates the Brain-Specific MicroRNA-134 in Interventional Cardiologists. Circulation, 2017, 136, 2516-2518.	1.6	28
10	Effects of Highly Polluted Environment on Sperm Telomere Length: A Pilot Study. International Journal of Molecular Sciences, 2017, 18, 1703.	1.8	27
11	Repair activity of oxidatively damaged DNA and telomere length in human lung epithelial cells after exposure to multi-walled carbon nanotubes. Mutagenesis, 2017, 32, 173-180.	1.0	24
12	Genetic polymorphisms offer insight into the causal role of microRNA in coronary artery disease. Atherosclerosis, 2018, 269, 63-70.	0.4	24
13	The molecular biomarkers of vascular aging and atherosclerosis: telomere length and mitochondrial DNA4977 common deletion. Mutation Research - Reviews in Mutation Research, 2020, 784, 108309.	2.4	24
14	Radiobiological Effectiveness of Ultrashort Laser-Driven Electron Bunches: Micronucleus Frequency, Telomere Shortening and Cell Viability. Radiation Research, 2016, 186, 245-253.	0.7	21
15	Development of a new multiplex quantitative realâ€time PCR assay for the detection of the mtDNA⁴⁹⁷⁷ deletion in coronary artery disease patients: A link with telomere shortening. Environmental and Molecular Mutagenesis, 2013, 54, 299-307.	0.9	20
16	Increased circulating cellâ€free <scp>DNA</scp> levels and mt<scp>DNA</scp> fragments in interventional cardiologists occupationally exposed to low levels of ionizing radiation. Environmental and Molecular Mutagenesis, 2015, 56, 293-300.	0.9	20
17	Targeted Next-Generation Sequencing in Patients with Non-syndromic Congenital Heart Disease. Pediatric Cardiology, 2018, 39, 682-689.	0.6	20
18	Adenosine A2A receptor gene polymorphism (1976C>T) affects coronary flow reserve response during vasodilator stress testing in patients with non ischemic-dilated cardiomyopathy. Pharmacogenetics and Genomics, 2011, 21, 469-475.	0.7	19

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19	Genetic Risk Score and Acute Skin Toxicity After Breast Radiation Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2014, 29, 267-272.	0.7	19
20	Brain-derived neurotrophic factor (Val66Met) polymorphism and olfactory ability in young adults. Journal of Biomedical Science, 2013, 20, 57.	2.6	16
21	Microgravity and space radiation inhibit autophagy in human capillary endothelial cells, through either opposite or synergistic effects on specific molecular pathways. Cellular and Molecular Life Sciences, 2022, 79, 1.	2.4	16
22	miRNome Profiling in Bicuspid Aortic Valve-Associated Aortopathy by Next-Generation Sequencing. International Journal of Molecular Sciences, 2017, 18, 2498.	1.8	15
23	Leukocyte telomere shortening in grown-up patients with congenital heart disease. International Journal of Cardiology, 2016, 204, 17-22.	0.8	14
24	Independent and Combined Effects of Telomere Shortening and mtDNA4977 Deletion on Long-term Outcomes of Patients with Coronary Artery Disease. International Journal of Molecular Sciences, 2019, 20, 5508.	1.8	14
25	FLASH ultra-high dose rates in radiotherapy: preclinical and radiobiological evidence. International Journal of Radiation Biology, 2022, 98, 127-135.	1.0	14
26	Small-scale laser based electron accelerators for biology and medicine: a comparative study of the biological effectiveness. Proceedings of SPIE, 2013, , .	0.8	11
27	Usefulness of biomarkers as intermediate endpoints in health risks posed by occupational lead exposure. International Journal of Occupational Medicine and Environmental Health, 2015, 29, 167-178.	0.6	9
28	Influence of genetic polymorphisms in DICER and XPO5 genes on the risk of coronary artery disease and circulating levels of vascular miRNAs. Thrombosis Research, 2019, 180, 32-36.	0.8	8
29	Increased mitochondrial DNA4977-bp deletion in catheterization laboratory workers with long-term low-dose exposure to ionizing radiation. European Journal of Preventive Cardiology, 2019, 26, 976-984.	0.8	8
30	Stromal cell-derived factor-1â€“3â€²A polymorphism is associated with decreased risk of myocardial infarction and early endothelial disturbance. Journal of Cardiovascular Medicine, 2014, 15, 710-716.	0.6	7
31	Arsenic and subclinical vascular damage in a sample of Italian young adults: a cross-sectional analysis. Environmental Science and Pollution Research, 2016, 23, 20307-20314.	2.7	7
32	Nitrogen Biobank for Cardiovascular Research. Current Cardiology Reviews, 2013, 9, 253-259.	0.6	7
33	Reproductive outcomes and Y chromosome instability in radiationâ€exposed male workers in cardiac catheterization laboratory. Environmental and Molecular Mutagenesis, 2020, 61, 361-368.	0.9	6
34	Individual and joint effects of genetic polymorphisms in microRNA-machinery genes on congenital heart disease susceptibility. Cardiology in the Young, 2021, 31, 965-968.	0.4	6
35	A Novel Application for Cognitive Evaluation in Mountain Ultramarathons: Olfactory Assessment. Wilderness and Environmental Medicine, 2016, 27, 131-135.	0.4	5
36	Functional characterization and circulating expression profile of dysregulated microRNAs in BAV-associated aortopathy. Heart and Vessels, 2020, 35, 432-440.	0.5	5

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37	Advanced glycation end products, leukocyte telomere length, and mitochondrial DNA copy number in patients with coronary artery disease and alterations of glucose homeostasis: From the GENOCOR study. Nutrition, Metabolism and Cardiovascular Diseases, 2022, 32, 1236-1244.	1.1	4
38	A Functional Aryl Hydrocarbon Receptor Genetic Variant, Alone and in Combination with Parental Exposure, is a Risk Factor for Congenital Heart Disease. Cardiovascular Toxicology, 2018, 18, 261-267.	1.1	3
39	Genetic polymorphisms of miRNA machinery genes in bicuspid aortic valve and associated aortopathy. Personalized Medicine, 2021, 18, 21-29.	0.8	2
40	Non-coding RNAs in cellular response to ionizing radiation. Non-coding RNA Investigation, 0, 2, 42-42.	0.6	1