Sofie Bekaert

List of Publications by Year in descending order

51 papers	3,374 citations	218592 26 h-index	182361 51 g-index
52 all docs	52 docs citations	52 times ranked	5949 citing authors

#	Article	IF	Citations
1	Gender and telomere length: Systematic review and meta-analysis. Experimental Gerontology, 2014, 51, 15-27.	1.2	394
2	Telomere length and cardiovascular risk factors in a middleâ€aged population free of overt cardiovascular disease. Aging Cell, 2007, 6, 639-647.	3.0	309
3	NMR-Based Characterization of Metabolic Alterations in Hypertension Using an Adaptive, Intelligent Binning Algorithm. Analytical Chemistry, 2008, 80, 3783-3790.	3.2	217
4	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. Nature Communications, 2018, 9, 4455.	5.8	181
5	Amplification of the Pressure Pulse in the Upper Limb in Healthy, Middle-Aged Men and Women. Hypertension, 2009, 54, 414-420.	1.3	177
6	Rationale, design, methods and baseline characteristics of the Asklepios Study. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 179-191.	3.1	146
7	Paternal age at birth is an important determinant of offspring telomere length. Human Molecular Genetics, 2007, 16, 3097-3102.	1.4	146
8	PubMeth: a cancer methylation database combining text-mining and expert annotation. Nucleic Acids Research, 2007, 36, D842-D846.	6.5	144
9	Reproducibility of telomere length assessment: an international collaborative study. International Journal of Epidemiology, 2015, 44, 1673-1683.	0.9	133
10	Arterial stiffness and influences of the metabolic syndrome: A cross-countries study. Atherosclerosis, 2014, 233, 654-660.	0.4	116
11	Telomere biology in mammalian germ cells and during development. Developmental Biology, 2004, 274, 15-30.	0.9	112
12	Telomere attrition as ageing biomarker. Anticancer Research, 2005, 25, 3011-21.	0.5	111
13	Telomere Length as CardiovascularÂAgingÂBiomarker. Journal of the American College of Cardiology, 2018, 72, 805-813.	1.2	105
14	Common Genetic Variation in the 3â€²- BCL11B Gene Desert Is Associated With Carotid-Femoral Pulse Wave Velocity and Excess Cardiovascular Disease Risk. Circulation: Cardiovascular Genetics, 2012, 5, 81-90.	5.1	90
15	In vitro validation of Â-secretase inhibitors alone or in combination with other anti-cancer drugs for the treatment of T-cell acute lymphoblastic leukemia. Haematologica, 2008, 93, 533-542.	1.7	77
16	Single-nucleotide polymorphisms in DNA double-strand break repair genes: Association with head and neck cancer and interaction with tobacco use and alcohol consumption. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 656, 74-81.	0.9	70
17	Telomere length and cardiovascular aging: The means to the ends?. Ageing Research Reviews, 2011, 10, 297-303.	5.0	68
18	Systemic telomere length and preclinical atherosclerosis: the Asklepios Study. European Heart Journal, 2009, 30, 3074-3081.	1.0	67

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19	Prevalence of Chlamydophila psittaci infections in a human population in contact with domestic and companion birds. Journal of Medical Microbiology, 2009, 58, 1207-1212.	0.7	53
20	Molecular diagnostics for congenital hearing loss including 15 deafness genes using a next generation sequencing platform. BMC Medical Genomics, 2012, 5, 17.	0.7	49
21	Oxidized Low-Density Lipoprotein Cholesterol Is Associated With Decreases in Cardiac Function Independent of Vascular Alterations. Hypertension, 2008, 52, 535-541.	1.3	43
22	Evaluation of standard and advanced preprocessing methods for the univariate analysis of blood serum 1H-NMR spectra. Analytical and Bioanalytical Chemistry, 2010, 398, 1781-1790.	1.9	40
23	Practical Tools to Implement Massive Parallel Pyrosequencing of PCR Products in Next Generation Molecular Diagnostics. PLoS ONE, 2011, 6, e25531.	1.1	40
24	Studying telomeres in a longitudinal population based study. Frontiers in Bioscience - Landmark, 2008, 13, 2960.	3.0	38
25	Femoral Plaques Confound the Association of Circulating Oxidized Low-Density Lipoprotein With Carotid Atherosclerosis in a General Population Aged 35 to 55 Years. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1563-1568.	1.1	30
26	Associations between single nucleotide polymorphisms in thyroid hormone transporter genes (MCT8,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	28
27	A non-genetic, epigenetic-like mechanism of telomere length inheritance?. European Journal of Human Genetics, 2014, 22, 10-11.	1.4	27
28	Decreasing initial telomere length in humans intergenerationally understates ageâ€associated telomere shortening. Aging Cell, 2015, 14, 669-677.	3.0	24
29	Lower red blood cell counts in middleâ€aged subjects with shorter peripheral blood leukocyte telomere length. Aging Cell, 2008, 7, 700-705.	3.0	23
30	Leukocyte telomere length and diet in the apparently healthy, middle-aged Asklepios population. Scientific Reports, 2018, 8, 6540.	1.6	22
31	Ionizing radiation-induced gene modulations, cytokine content changes and telomere shortening in mouse fetuses exhibiting forelimb defects. Developmental Biology, 2008, 322, 302-313.	0.9	21
32	Low dose irradiation of thyroid cells reveals a unique transcriptomic and epigenetic signature in RET/PTC-positive cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 731, 27-40.	0.4	19
33	On Cross-Sectional Associations of Leukocyte Telomere Length with Cardiac Systolic, Diastolic and Vascular Function: The Asklepios Study. PLoS ONE, 2014, 9, e115071.	1.1	19
34	Comparing telomere length of sister chromatids in human lymphocytes using three-dimensional confocal microscopy. Cytometry, 2002, 48, 34-44.	1.8	18
35	Reversal of Agingâ€Induced Increases in Aortic Stiffness by Targeting Cytoskeletal Proteinâ€Protein Interfaces. Journal of the American Heart Association, 2018, 7, .	1.6	17
36	No Shorter Telomeres in Subjects With a Family History of Cardiovascular Disease in the Asklepios Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 3076-3081.	1.1	16

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37	Analysing 454 amplicon resequencing experiments using the modular and database oriented Variant Identification Pipeline. BMC Bioinformatics, 2010, 11, 269.	1.2	15
38	Telomere shortening is associated with malformation in p53-deficient mice after irradiation during specific stages of development. DNA Repair, 2005, 4, 1028-1037.	1.3	14
39	Highâ€Quality Biobanks: Pivotal Assets for Reproducibility of OMICSâ€Data in Biomedical Translational Research. Proteomics, 2019, 19, e1800485.	1.3	11
40	Biobank Quality Management in the BBMRI.be Network. Frontiers in Medicine, 2019, 6, 141.	1.2	9
41	Involving society in science. EMBO Reports, 2021, 22, e54000.	2.0	9
42	Reproducibility of telomere length assessment: Authorsâ€™ Response to Damjan Krstajic and Ljubomir Buturovic. International Journal of Epidemiology, 2015, 44, 1739-1741.	0.9	8
43	Is Southern blotting necessary to measure telomere length reproducibly? Authorsâ€™ Response to: Commentary: The reliability of telomere length measurements. International Journal of Epidemiology, 2015, 44, 1686-1687.	0.9	8
44	Telomeres and Atherosclerosis. Journal of the American College of Cardiology, 2016, 67, 2477-2479.	1.2	8
45	Addition of a Novel, Protective Family History Category Allows Better Profiling of Cardiovascular Risk and Atherosclerotic Burden in the General Population. The Asklepios Study. PLoS ONE, 2013, 8, e63185.	1.1	7
46	Bimetra Biobank: A High Quality Biobank Facility to Stimulate Translational Biomedical Research. Open Journal of Bioresources, 2018, 5, .	1.5	5
47	Family History of Cardiovascular Disease and Offspring Echocardiographic Left Ventricular Structure and Function: The Asklepios Study. Journal of the American Society of Echocardiography, 2013, 26, 1290-1297.e2.	1.2	4
48	Response to low-dose X-irradiation is p53-dependent in a papillary thyroid carcinoma model system. International Journal of Oncology, 2011, 39, 1429-41.	1.4	2
49	Associations of rs4704397 in Phosphodiesterase 8B with Thyrotropin and Thyroid Hormone Concentrations. Thyroid, 2013, 23, 376-377.	2.4	2
50	Rationalized Development of a Campus-Wide Cell Line Dataset for Implementation in the Biobank LIMS System at Bioresource Center Ghent. Frontiers in Medicine, 2019, 6, 137.	1.2	2
51	Editorial: Biobanks as Essential Tools for Translational Research: The Belgian Landscape. Frontiers in Medicine, 2020, 7, 378.	1.2	0