

# Tim De Meyer

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

6,274  
citations

81900

39  
h-index

74163

75  
g-index

121  
all docs

121  
docs citations

121  
times ranked

11469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of DNA methylation in cancer: location revisited. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 459-466.	27.6	486
2	Gender and telomere length: Systematic review and meta-analysis. <i>Experimental Gerontology</i> , 2014, 51, 15-27.	2.8	394
3	Alterations of immune response of non-small cell lung cancer with Azacytidine. <i>Oncotarget</i> , 2013, 4, 2067-2079.	1.8	336
4	Telomere length and cardiovascular risk factors in a middle-aged population free of overt cardiovascular disease. <i>Aging Cell</i> , 2007, 6, 639-647.	6.7	309
5	MEXPRESS: visualizing expression, DNA methylation and clinical TCGA data. <i>BMC Genomics</i> , 2015, 16, 636.	2.8	257
6	NMR-Based Characterization of Metabolic Alterations in Hypertension Using an Adaptive, Intelligent Binning Algorithm. <i>Analytical Chemistry</i> , 2008, 80, 3783-3790.	6.5	217
7	Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. <i>Nature Communications</i> , 2018, 9, 4455.	12.8	181
8	MEXPRESS update 2019. <i>Nucleic Acids Research</i> , 2019, 47, W561-W565.	14.5	179
9	Transcriptional reprogramming by root knot and migratory nematode infection in rice. <i>New Phytologist</i> , 2012, 196, 887-900.	7.3	157
10	The CpG Island Methylator Phenotype: What's in a Name?. <i>Cancer Research</i> , 2013, 73, 5858-5868.	0.9	154
11	Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. <i>PLoS Genetics</i> , 2014, 10, e1004123.	3.5	150
12	Paternal age at birth is an important determinant of offspring telomere length. <i>Human Molecular Genetics</i> , 2007, 16, 3097-3102.	2.9	146
13	PubMeth: a cancer methylation database combining text-mining and expert annotation. <i>Nucleic Acids Research</i> , 2007, 36, D842-D846.	14.5	144
14	Body mass index is negatively associated with telomere length: a collaborative cross-sectional meta-analysis of 87 observational studies. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 453-475.	4.7	137
15	Reproducibility of telomere length assessment: an international collaborative study. <i>International Journal of Epidemiology</i> , 2015, 44, 1673-1683.	1.9	133
16	PROTEOFORMER: deep proteome coverage through ribosome profiling and MS integration. <i>Nucleic Acids Research</i> , 2015, 43, e29-e29.	14.5	132
17	Transcriptional analysis through RNA sequencing of giant cells induced by <i>Meloidogyne graminicola</i> in rice roots. <i>Journal of Experimental Botany</i> , 2013, 64, 3885-3898.	4.8	128
18	Arterial stiffness and influences of the metabolic syndrome: A cross-countries study. <i>Atherosclerosis</i> , 2014, 233, 654-660.	0.8	116

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19	Rapid genetic adaptation precedes the spread of an exotic plant species. <i>Molecular Ecology</i> , 2014, 23, 2157-2164.	3.9	111
20	Telomere attrition as ageing biomarker. <i>Anticancer Research</i> , 2005, 25, 3011-21.	1.1	111
21	Telomere Length as Cardiovascular Aging Biomarker. <i>Journal of the American College of Cardiology</i> , 2018, 72, 805-813.	2.8	105
22	Common Genetic Variation in the <i>BCL11B</i> Gene Desert Is Associated With Carotid-Femoral Pulse Wave Velocity and Excess Cardiovascular Disease Risk. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 81-90.	5.1	90
23	Telomere length versus hormonal and bone mineral status in healthy elderly men. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1115-1122.	4.6	75
24	The RNA Atlas expands the catalog of human non-coding RNAs. <i>Nature Biotechnology</i> , 2021, 39, 1453-1465.	17.5	75
25	Telomere length and cardiovascular aging: The means to the ends?. <i>Ageing Research Reviews</i> , 2011, 10, 297-303.	10.9	68
26	Systemic telomere length and preclinical atherosclerosis: the Asklepios Study. <i>European Heart Journal</i> , 2009, 30, 3074-3081.	2.2	67
27	The Effect of VEGF-Targeted Therapy on Biomarker Expression in Sequential Tissue from Patients with Metastatic Clear Cell Renal Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 6924-6934.	7.0	62
28	Bacterial Diversity Assessment in Antarctic Terrestrial and Aquatic Microbial Mats: A Comparison between Bidirectional Pyrosequencing and Cultivation. <i>PLoS ONE</i> , 2014, 9, e97564.	2.5	60
29	Next-generation technologies and data analytical approaches for epigenomics. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 155-170.	2.2	55
30	Discovery of new methylation markers to improve screening for cervical intraepithelial neoplasia grade 2/3. <i>Clinical Epigenetics</i> , 2016, 8, 29.	4.1	53
31	A Four-Gene Promoter Methylation Marker Panel Consisting of <i>GREM1</i> , <i>NEURL</i> , <i>LAD1</i> and <i>NEFH</i> Predicts Survival of Clear Cell Renal Cell Cancer Patients. <i>Clinical Cancer Research</i> , 2017, 23, 2006-2018.	7.0	51
32	A variant at chromosome 9p21 is associated with recurrent myocardial infarction and cardiac death after acute coronary syndrome: The GRACE Genetics Study. <i>European Heart Journal</i> , 2010, 31, 1132-1141.	2.2	50
33	Quality Evaluation of Methyl Binding Domain Based Kits for Enrichment DNA-Methylation Sequencing. <i>PLoS ONE</i> , 2013, 8, e59068.	2.5	50
34	A comprehensive overview of genomic imprinting in breast and its deregulation in cancer. <i>Nature Communications</i> , 2018, 9, 4120.	12.8	47
35	ViVar: A Comprehensive Platform for the Analysis and Visualization of Structural Genomic Variation. <i>PLoS ONE</i> , 2014, 9, e113800.	2.5	45
36	Methylome analysis of extreme chemoresponsive patients identifies novel markers of platinum sensitivity in high-grade serous ovarian cancer. <i>BMC Medicine</i> , 2017, 15, 116.	5.5	44

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37	Genome-wide DNA hypomethylation shapes nematode pattern-triggered immunity in plants. <i>New Phytologist</i> , 2020, 227, 545-558.	7.3	44
38	Microbial Community Dynamics and Response to Plant Growth-Promoting Microorganisms in the Rhizosphere of Four Common Food Crops Cultivated in Hydroponics. <i>Microbial Ecology</i> , 2017, 73, 378-393.	2.8	43
39	Transcriptome analysis of rice mature root tissue and root tips in early development by massive parallel sequencing. <i>Journal of Experimental Botany</i> , 2012, 63, 2141-2157.	4.8	41
40	Identification of long non-coding RNAs involved in neuronal development and intellectual disability. <i>Scientific Reports</i> , 2016, 6, 28396.	3.3	41
41	Evaluation of standard and advanced preprocessing methods for the univariate analysis of blood serum <sup>1</sup> H-NMR spectra. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1781-1790.	3.7	40
42	Patterns of sex ratio variation and genetic diversity in the dioecious forest perennial <i>Mercurialis perennis</i> . <i>Plant Ecology</i> , 2010, 206, 105-114.	1.6	39
43	Studying telomeres in a longitudinal population based study. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2960.	3.0	38
44	<i>E2F</i> s mediate a fundamental cell-cycle deregulation in high-grade serous ovarian carcinomas. <i>Journal of Pathology</i> , 2009, 217, 14-20.	4.5	35
45	Telomere biology in giant cell tumour of bone. <i>Journal of Pathology</i> , 2008, 214, 555-563.	4.5	33
46	Associations between single nucleotide polymorphisms in thyroid hormone transporter genes (MCT8,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	28
47	Identification and validation of <i>WISP1</i> as an epigenetic regulator of metastasis in oral squamous cell carcinoma. <i>Genes Chromosomes and Cancer</i> , 2016, 55, 45-59.	2.8	28
48	Below-Ground Attack by the Root Knot Nematode <i>Meloidogyne graminicola</i> Predisposes Rice to Blast Disease. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 255-266.	2.6	28
49	A non-genetic, epigenetic-like mechanism of telomere length inheritance?. <i>European Journal of Human Genetics</i> , 2014, 22, 10-11.	2.8	27
50	Molecular and epigenetic features of melanomas and tumor immune microenvironment linked to durable remission to ipilimumab-based immunotherapy in metastatic patients. <i>Journal of Translational Medicine</i> , 2016, 14, 232.	4.4	27
51	Targeted RNA-seq successfully identifies normal and pathogenic splicing events in breast/ovarian cancer susceptibility and Lynch syndrome genes. <i>International Journal of Cancer</i> , 2019, 145, 401-414.	5.1	27
52	SNP discovery using Paired-End RAD tag sequencing on pooled genomic DNA of <i>Sisymbrium austriacum</i> (Brassicaceae). <i>Molecular Ecology Resources</i> , 2013, 13, 269-275.	4.8	24
53	Decreasing initial telomere length in humans intergenerationally understates age-associated telomere shortening. <i>Aging Cell</i> , 2015, 14, 669-677.	6.7	24
54	Lower red blood cell counts in middle-aged subjects with shorter peripheral blood leukocyte telomere length. <i>Aging Cell</i> , 2008, 7, 700-705.	6.7	23

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55	Leukocyte telomere length and diet in the apparently healthy, middle-aged Asklepios population. <i>Scientific Reports</i> , 2018, 8, 6540.	3.3	22
56	Identification of DNA methylation markers for early detection of CRC indicates a role for nervous system-related genes in CRC. <i>Clinical Epigenetics</i> , 2021, 13, 80.	4.1	22
57	Ionizing radiation-induced gene modulations, cytokine content changes and telomere shortening in mouse fetuses exhibiting forelimb defects. <i>Developmental Biology</i> , 2008, 322, 302-313.	2.0	21
58	Molecular insights into the compatible and incompatible interactions between sugar beet and the beet cyst nematode. <i>BMC Plant Biology</i> , 2020, 20, 483.	3.6	21
59	The genome of the extremophile <i>Artemia</i> provides insight into strategies to cope with extreme environments. <i>BMC Genomics</i> , 2021, 22, 635.	2.8	20
60	High Content Analysis of Human Fibroblast Cell Cultures after Exposure to Space Radiation. <i>Radiation Research</i> , 2009, 172, 423-436.	1.5	19
61	Low dose irradiation of thyroid cells reveals a unique transcriptomic and epigenetic signature in RET/PTC-positive cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 731, 27-40.	1.0	19
62	On Cross-Sectional Associations of Leukocyte Telomere Length with Cardiac Systolic, Diastolic and Vascular Function: The Asklepios Study. <i>PLoS ONE</i> , 2014, 9, e115071.	2.5	19
63	Decoy receptor 1 (DCR1) promoter hypermethylation and response to irinotecan in metastatic colorectal cancer. <i>Oncotarget</i> , 2017, 8, 63140-63154.	1.8	19
64	RAB25 expression is epigenetically downregulated in oral and oropharyngeal squamous cell carcinoma with lymph node metastasis. <i>Epigenetics</i> , 2016, 11, 653-663.	2.7	18
65	Effect of sunitinib treatment on mutations and methylation in metastatic renal cancer. <i>Journal of Clinical Oncology</i> , 2015, 33, 492-492.	1.6	18
66	Genome-wide DNA methylation detection by MethylCap-seq and Infinium HumanMethylation450 BeadChips: an independent large-scale comparison. <i>Scientific Reports</i> , 2015, 5, 15375.	3.3	17
67	Reversal of Aging-induced Increases in Aortic Stiffness by Targeting Cytoskeletal Protein-Protein Interfaces. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	17
68	No Shorter Telomeres in Subjects With a Family History of Cardiovascular Disease in the Asklepios Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 3076-3081.	2.4	16
69	Genome-wide methylome analysis using MethylCap-seq uncovers 4 hypermethylated markers with high sensitivity for both adeno- and squamous-cell cervical carcinoma. <i>Oncotarget</i> , 2016, 7, 80735-80750.	1.8	15
70	Telomere shortening is associated with malformation in p53-deficient mice after irradiation during specific stages of development. <i>DNA Repair</i> , 2005, 4, 1028-1037.	2.8	14
71	Genome-wide shifts in histone modifications at early stage of rice infection with <i>Meloidogyne graminicola</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 440-455.	4.2	14
72	Dynamic epigenetic changes to <i>VHL</i> occur with sunitinib in metastatic clear cell renal cancer. <i>Oncotarget</i> , 2016, 7, 25241-25250.	1.8	14

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73	Screening of soy and milk protein hydrolysates for their ability to activate the CCK1 receptor. <i>Peptides</i> , 2012, 34, 226-231.	2.4	13
74	Staphylococcal enterotoxin B influences the DNA methylation pattern in nasal polyp tissue: a preliminary study. <i>Allergy, Asthma and Clinical Immunology</i> , 2013, 9, 48.	2.0	13
75	Systemic Suppression of the Shoot Metabolism upon Rice Root Nematode Infection. <i>PLoS ONE</i> , 2014, 9, e106858.	2.5	13
76	Underestimated effect of intragenic HIV-1 DNA methylation on viral transcription in infected individuals. <i>Clinical Epigenetics</i> , 2020, 12, 36.	4.1	13
77	Dehydroascorbate induces plant resistance in rice against root-knot nematode <i>Meloidogyne graminicola</i> . <i>Molecular Plant Pathology</i> , 2022, 23, 1303-1319.	4.2	13
78	Chorismate mutase and isochorismatase, two potential effectors of the migratory nematode <i>Hirschmanniella oryzae</i> , increase host susceptibility by manipulating secondary metabolite content of rice. <i>Molecular Plant Pathology</i> , 2020, 21, 1634-1646.	4.2	12
79	Non-coding RNAs in the interaction between rice and <i>Meloidogyne graminicola</i> . <i>BMC Genomics</i> , 2021, 22, 560.	2.8	12
80	The impact of extensive clonal growth on fine-scale mating patterns: a full paternity analysis of a lily-of-the-valley population ( <i>Convallaria majalis</i> ). <i>Annals of Botany</i> , 2013, 111, 623-628.	2.9	11
81	Telomere Length Integrates Psychological Factors in the Successful Aging Story, But What About the Biology?. <i>Psychosomatic Medicine</i> , 2011, 73, 524-527.	2.0	10
82	A genome-wide search for epigenetically regulated genes in zebra finch using MethylCap-seq and RNA-seq. <i>Scientific Reports</i> , 2016, 6, 20957.	3.3	9
83	Selection of miRNA reference genes for plant defence studies in rice ( <i>Oryza sativa</i> ). <i>Planta</i> , 2019, 250, 2101-2110.	3.2	9
84	Coronary spasm after the topical use of cocaine in nasal surgery. <i>American Journal of Case Reports</i> , 2013, 14, 76-79.	0.8	9
85	Transcript- and annotation-guided genome assembly of the European starling. <i>Molecular Ecology Resources</i> , 2022, 22, 3141-3160.	4.8	9
86	Reproducibility of telomere length assessment: Authors'™ Response to Damjan Krstajic and Ljubomir Buturovic. <i>International Journal of Epidemiology</i> , 2015, 44, 1739-1741.	1.9	8
87	Is Southern blotting necessary to measure telomere length reproducibly? Authors'™ Response to: Commentary: The reliability of telomere length measurements. <i>International Journal of Epidemiology</i> , 2015, 44, 1686-1687.	1.9	8
88	Telomeres and Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2477-2479.	2.8	8
89	DNA Methylation Regulates Transcription Factor-Specific Neurodevelopmental but Not Sexually Dimorphic Gene Expression Dynamics in Zebra Finch Telencephalon. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 583555.	3.7	8
90	Addition of a Novel, Protective Family History Category Allows Better Profiling of Cardiovascular Risk and Atherosclerotic Burden in the General Population. The Asklepios Study. <i>PLoS ONE</i> , 2013, 8, e63185.	2.5	7

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91	SNP-guided identification of monoallelic DNA-methylation events from enrichment-based sequencing data. <i>Nucleic Acids Research</i> , 2014, 42, e157-e157.	14.5	6
92	Possible technical and biological explanations for the "parental telomere length inheritance discrepancy"™ enigma. <i>European Journal of Human Genetics</i> , 2015, 23, 3-4.	2.8	6
93	Mining for viral fragments in methylation enriched sequencing data. <i>Frontiers in Genetics</i> , 2015, 6, 16.	2.3	5
94	Family History of Cardiovascular Disease and Offspring Echocardiographic Left Ventricular Structure and Function: The Asklepios Study. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 1290-1297.e2.	2.8	4
95	Locally advanced basal cell carcinoma has a distinct methylation and transcriptomic profile. <i>Experimental Dermatology</i> , 2016, 25, 316-318.	2.9	4
96	Muscle strength is a major determinant of the blood pressure response to isometric stress testing: the Asklepios population study. <i>Journal of Hypertension</i> , 2020, 38, 224-234.	0.5	4
97	A Hypomorphic Mutant of PHD Domain Protein Male Meioocytes Death 1. <i>Genes</i> , 2021, 12, 516.	2.4	4
98	Clinically relevant aberrant Filip1l DNA methylation detected in a murine model of cutaneous squamous cell carcinoma. <i>EBioMedicine</i> , 2021, 67, 103383.	6.1	4
99	Spatiotemporal expression profile of novel and known small RNAs throughout rice plant development focussing on seed tissues. <i>BMC Genomics</i> , 2022, 23, 44.	2.8	4
100	Exploratory analysis of the human breast DNA methylation profile upon soymilk exposure. <i>Scientific Reports</i> , 2018, 8, 13617.	3.3	3
101	Response to low-dose X-irradiation is p53-dependent in a papillary thyroid carcinoma model system. <i>International Journal of Oncology</i> , 2011, 39, 1429-41.	3.3	2
102	Associations of rs4704397 in Phosphodiesterase 8B with Thyrotropin and Thyroid Hormone Concentrations. <i>Thyroid</i> , 2013, 23, 376-377.	4.5	2
103	Epigenetic sampling effects: nephrectomy modifies the clear cell renal cell cancer methylome. <i>Cellular Oncology (Dordrecht)</i> , 2017, 40, 293-297.	4.4	2
104	Telomeres and Atherosclerosis. <i>Hypertension</i> , 2017, 70, 243-244.	2.7	2
105	Letter by De Meyer Regarding Article, "Short Leukocyte Telomere Length Precedes Clinical Expression of Atherosclerosis: The Blood-and-Muscle Model". <i>Circulation Research</i> , 2018, 122, e71-e72.	4.5	2
106	Molecular correlates of hypothalamic development in songbird ontogeny in comparison with the telencephalon. <i>FASEB Journal</i> , 2020, 34, 4997-5015.	0.5	0
107	Abstract 3458: An epigenomic next-generation sequencing approach to identify predictive markers for PARP inhibitor response in breast cancer cells.. , 2013, , .		0