

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 | 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 |
| 2 | 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 |
| 3 | Transcript- and annotation-guided genome assembly of the European starling. <i>Molecular Ecology Resources</i> , 2022, 22, 3141-3160. | 4.8 | 9 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | A Hypomorphic Mutant of PHD Domain Protein Male Meioocytes Death 1. <i>Genes</i> , 2021, 12, 516. | 2.4 | 4 |
| 8 | 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 |
| 9 | The RNA Atlas expands the catalog of human non-coding RNAs. <i>Nature Biotechnology</i> , 2021, 39, 1453-1465. | 17.5 | 75 |
| 10 | Non-coding RNAs in the interaction between rice and <i>Meloidogyne graminicola</i> . <i>BMC Genomics</i> , 2021, 22, 560. | 2.8 | 12 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Genome-wide DNA hypomethylation shapes nematode pattern-triggered immunity in plants. <i>New Phytologist</i> , 2020, 227, 545-558. | 7.3 | 44 |
| 16 | Underestimated effect of intragenic HIV-1 DNA methylation on viral transcription in infected individuals. <i>Clinical Epigenetics</i> , 2020, 12, 36. | 4.1 | 13 |
| 17 | Molecular correlates of hypothalamic development in songbird ontogeny in comparison with the telencephalon. <i>FASEB Journal</i> , 2020, 34, 4997-5015. | 0.5 | 0 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | MEXPRESS update 2019. <i>Nucleic Acids Research</i> , 2019, 47, W561-W565. | 14.5 | 179 |
| 20 | 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 |
| 21 | 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 |
| 22 | Analysis of DNA methylation in cancer: location revisited. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 459-466. | 27.6 | 486 |
| 23 | Leukocyte telomere length and diet in the apparently healthy, middle-aged Asklepios population. <i>Scientific Reports</i> , 2018, 8, 6540. | 3.3 | 22 |
| 24 | A comprehensive overview of genomic imprinting in breast and its deregulation in cancer. <i>Nature Communications</i> , 2018, 9, 4120. | 12.8 | 47 |
| 25 | Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation. <i>Nature Communications</i> , 2018, 9, 4455. | 12.8 | 181 |
| 26 | Exploratory analysis of the human breast DNA methylation profile upon soymilk exposure. <i>Scientific Reports</i> , 2018, 8, 13617. | 3.3 | 3 |
| 27 | 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 |
| 28 | Telomere Length as Cardiovascular Aging Biomarker. <i>Journal of the American College of Cardiology</i> , 2018, 72, 805-813. | 2.8 | 105 |
| 29 | 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 |
| 30 | Epigenetic sampling effects: nephrectomy modifies the clear cell renal cell cancer methylome. <i>Cellular Oncology (Dordrecht)</i> , 2017, 40, 293-297. | 4.4 | 2 |
| 31 | 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 |
| 32 | Telomeres and Atherosclerosis. <i>Hypertension</i> , 2017, 70, 243-244. | 2.7 | 2 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Decoy receptor 1 (DCR1) promoter hypermethylation and response to irinotecan in metastatic colorectal cancer. <i>Oncotarget</i> , 2017, 8, 63140-63154. | 1.8 | 19 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Telomeres and Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2477-2479. | 2.8 | 8 |
| 41 | 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 |
| 42 | 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 |
| 43 | Identification of long non-coding RNAs involved in neuronal development and intellectual disability. <i>Scientific Reports</i> , 2016, 6, 28396. | 3.3 | 41 |
| 44 | Locally advanced basal cell carcinoma has a distinct methylation and transcriptomic profile. <i>Experimental Dermatology</i> , 2016, 25, 316-318. | 2.9 | 4 |
| 45 | 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 |
| 46 | 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 |
| 47 | Decreasing initial telomere length in humans intergenerationally understates age-associated telomere shortening. <i>Aging Cell</i> , 2015, 14, 669-677. | 6.7 | 24 |
| 48 | 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 |
| 49 | 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 |
| 50 | MEXPRESS: visualizing expression, DNA methylation and clinical TCGA data. <i>BMC Genomics</i> , 2015, 16, 636. | 2.8 | 257 |
| 51 | Mining for viral fragments in methylation enriched sequencing data. <i>Frontiers in Genetics</i> , 2015, 6, 16. | 2.3 | 5 |
| 52 | PROTEOFORMER: deep proteome coverage through ribosome profiling and MS integration. <i>Nucleic Acids Research</i> , 2015, 43, e29-e29. | 14.5 | 132 |
| 53 | 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 |
| 54 | 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 |

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|----|---|------|-----------|
| 55 | Reproducibility of telomere length assessment: an international collaborative study. <i>International Journal of Epidemiology</i> , 2015, 44, 1673-1683. | 1.9 | 133 |
| 56 | 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 |
| 57 | Systemic Suppression of the Shoot Metabolism upon Rice Root Nematode Infection. <i>PLoS ONE</i> , 2014, 9, e106858. | 2.5 | 13 |
| 58 | ViVar: A Comprehensive Platform for the Analysis and Visualization of Structural Genomic Variation. <i>PLoS ONE</i> , 2014, 9, e113800. | 2.5 | 45 |
| 59 | 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 |
| 60 | Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. <i>PLoS Genetics</i> , 2014, 10, e1004123. | 3.5 | 150 |
| 61 | 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 |
| 62 | Gender and telomere length: Systematic review and meta-analysis. <i>Experimental Gerontology</i> , 2014, 51, 15-27. | 2.8 | 394 |
| 63 | Rapid genetic adaptation precedes the spread of an exotic plant species. <i>Molecular Ecology</i> , 2014, 23, 2157-2164. | 3.9 | 111 |
| 64 | Arterial stiffness and influences of the metabolic syndrome: A cross-countries study. <i>Atherosclerosis</i> , 2014, 233, 654-660. | 0.8 | 116 |
| 65 | Next-generation technologies and data analytical approaches for epigenomics. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 155-170. | 2.2 | 55 |
| 66 | A non-genetic, epigenetic-like mechanism of telomere length inheritance?. <i>European Journal of Human Genetics</i> , 2014, 22, 10-11. | 2.8 | 27 |
| 67 | 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 |
| 68 | The CpG Island Methylator Phenotype: What's in a Name?. <i>Cancer Research</i> , 2013, 73, 5858-5868. | 0.9 | 154 |
| 69 | 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 |
| 70 | 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 |
| 71 | Associations of rs4704397 in Phosphodiesterase 8B with Thyrotropin and Thyroid Hormone Concentrations. <i>Thyroid</i> , 2013, 23, 376-377. | 4.5 | 2 |
| 72 | 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 |

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|----|--|------|-----------|
| 73 | Associations between single nucleotide polymorphisms in thyroid hormone transporter genes (MCT8, TJ ETQq1 1 0.784314 1.1 28 BT /Over | 1.1 | 28 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | Quality Evaluation of Methyl Binding Domain Based Kits for Enrichment DNA-Methylation Sequencing. <i>PLoS ONE</i> , 2013, 8, e59068. | 2.5 | 50 |
| 78 | 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 |
| 79 | 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 |
| 80 | Alterations of immune response of non-small cell lung cancer with Azacytidine. <i>Oncotarget</i> , 2013, 4, 2067-2079. | 1.8 | 336 |
| 81 | Abstract 3458: An epigenomic next-generation sequencing approach to identify predictive markers for PARP inhibitor response in breast cancer cells.. , 2013, , . | | 0 |
| 82 | 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 |
| 83 | 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 |
| 84 | Common Genetic Variation in the 3×10^4 - <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 |
| 85 | Transcriptional reprogramming by root knot and migratory nematode infection in rice. <i>New Phytologist</i> , 2012, 196, 887-900. | 7.3 | 157 |
| 86 | 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 |
| 87 | 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 |
| 88 | Telomere length and cardiovascular aging: The means to the ends?. <i>Ageing Research Reviews</i> , 2011, 10, 297-303. | 10.9 | 68 |
| 89 | 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 |
| 90 | 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 |

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|-----|---|------|-----------|
| 91 | 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 |
| 92 | Evaluation of standard and advanced preprocessing methods for the univariate analysis of blood serum ¹ H-NMR spectra. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1781-1790. | 3.7 | 40 |
| 93 | 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 |
| 94 | Systemic telomere length and preclinical atherosclerosis: the Asklepios Study. <i>European Heart Journal</i> , 2009, 30, 3074-3081. | 2.2 | 67 |
| 95 | <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 |
| 96 | High Content Analysis of Human Fibroblast Cell Cultures after Exposure to Space Radiation. <i>Radiation Research</i> , 2009, 172, 423-436. | 1.5 | 19 |
| 97 | Telomere biology in giant cell tumour of bone. <i>Journal of Pathology</i> , 2008, 214, 555-563. | 4.5 | 33 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |
| 101 | Studying telomeres in a longitudinal population based study. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2960. | 3.0 | 38 |
| 102 | PubMeth: a cancer methylation database combining text-mining and expert annotation. <i>Nucleic Acids Research</i> , 2007, 36, D842-D846. | 14.5 | 144 |
| 103 | Paternal age at birth is an important determinant of offspring telomere length. <i>Human Molecular Genetics</i> , 2007, 16, 3097-3102. | 2.9 | 146 |
| 104 | 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 |
| 105 | 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 |
| 106 | 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 |
| 107 | Telomere attrition as ageing biomarker. <i>Anticancer Research</i> , 2005, 25, 3011-21. | 1.1 | 111 |