

# Fabian Beier

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,948  
citations

471371

17  
h-index

265120

42  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging of blood can be tracked by DNA methylation changes at just three CpG sites. <i>Genome Biology</i> , 2014, 15, R24.	13.9	709
2	Rps14 haploinsufficiency causes a block in erythroid differentiation mediated by S100A8 and S100A9. <i>Nature Medicine</i> , 2016, 22, 288-297.	15.2	191
3	Reconstructing the in vivo dynamics of hematopoietic stem cells from telomere length distributions. <i>ELife</i> , 2015, 4, .	2.8	81
4	Therapeutic effect of androgen therapy in a mouse model of aplastic anemia produced by short telomeres. <i>Haematologica</i> , 2015, 100, 1267-1274.	1.7	66
5	Conditional TRF1 knockout in the hematopoietic compartment leads to bone marrow failure and recapitulates clinical features of dyskeratosis congenita. <i>Blood</i> , 2012, 120, 2990-3000.	0.6	59
6	Clonal hematopoiesis in donors and long-term survivors of related allogeneic hematopoietic stem cell transplantation. <i>Blood</i> , 2020, 135, 1548-1559.	0.6	58
7	Genetic characterization of acquired aplastic anemia by targeted sequencing. <i>Haematologica</i> , 2014, 99, e165-e167.	1.7	51
8	Effects of senolytic drugs on human mesenchymal stromal cells. <i>Stem Cell Research and Therapy</i> , 2018, 9, 108.	2.4	50
9	Accelerated telomere shortening in peripheral blood lymphocytes after occupational polychlorinated biphenyls exposure. <i>Archives of Toxicology</i> , 2017, 91, 289-300.	1.9	48
10	Comprehensive characterization of chorionic villi-derived mesenchymal stromal cells from human placenta. <i>Stem Cell Research and Therapy</i> , 2018, 9, 28.	2.4	38
11	Accelerated telomere shortening in glycosylphosphatidylinositol (GPI)â€“negative compared with GPI-positive granulocytes from patients with paroxysmal nocturnal hemoglobinuria (PNH) detected by proaerolysin flow-FISH. <i>Blood</i> , 2005, 106, 531-533.	0.6	37
12	Comparison of flowâ€“FISH and MMâ€“qPCR telomere length assessment techniques for the screening of telomeropathies. <i>Annals of the New York Academy of Sciences</i> , 2020, 1466, 93-103.	1.8	35
13	<sc>CD</sc>57 identifies T cells with functional senescence before terminal differentiation and relative telomere shortening in patients with activated <sc>PI</sc>3 kinase delta syndrome. <i>Immunology and Cell Biology</i> , 2018, 96, 1060-1071.	1.0	29
14	Gain-of-function mutations in RPA1 cause a syndrome with short telomeres and somatic genetic rescue. <i>Blood</i> , 2022, 139, 1039-1051.	0.6	29
15	Recurrent somatic mutations are rare in patients with cryptic dyskeratosis congenita. <i>Leukemia</i> , 2018, 32, 1762-1767.	3.3	27
16	Telomere shortening correlates with leukemic stem cell burden at diagnosis of chronic myeloid leukemia. <i>Blood Advances</i> , 2018, 2, 1572-1579.	2.5	24
17	Epigenetic Clocks Are Not Accelerated in COVID-19 Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9306.	1.8	21
18	Identification of CD133âˆ“/Telomerase-low Progenitor Cells in Glioblastoma-Derived Cancer Stem Cell Lines. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 337-343.	1.7	20

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19	PRDM8 reveals aberrant DNA methylation in aging syndromes and is relevant for hematopoietic and neuronal differentiation. <i>Clinical Epigenetics</i> , 2020, 12, 125.	1.8	20
20	Androgen derivatives improve blood counts and elongate telomere length in adult cryptic dyskeratosis congenita. <i>British Journal of Haematology</i> , 2021, 193, 669-673.	1.2	20
21	Telomere shortening in enterocytes of patients with uncontrolled acute intestinal graft-versus-host disease. <i>Blood</i> , 2015, 126, 2518-2521.	0.6	19
22	Evidence for a pre-existing telomere deficit in non-clonal hematopoietic stem cells in patients with acute myeloid leukemia. <i>Annals of Hematology</i> , 2017, 96, 1457-1461.	0.8	18
23	Comparable Effects of the Androgen Derivatives Danazol, Oxymetholone and Nandrolone on Telomerase Activity in Human Primary Hematopoietic Cells from Patients with Dyskeratosis Congenita. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7196.	1.8	18
24	Late-onset and long-lasting autoimmune neutropenia: an analysis from the Italian Neutropenia Registry. <i>Blood Advances</i> , 2020, 4, 5644-5649.	2.5	18
25	Alternative lengthening of telomeres is the major telomere maintenance mechanism in astrocytoma with isocitrate dehydrogenase 1 mutation. <i>Journal of Neuro-Oncology</i> , 2020, 147, 1-14.	1.4	18
26	Serum levels of soluble B and T lymphocyte attenuator predict overall survival in patients undergoing immune checkpoint inhibitor therapy for solid malignancies. <i>International Journal of Cancer</i> , 2021, 149, 1189-1198.	2.3	17
27	Telomere dynamics in patients with del (5q) MDS before and under treatment with lenalidomide. <i>Leukemia Research</i> , 2015, 39, 1292-1298.	0.4	15
28	Treatment of telomeropathies. <i>Best Practice and Research in Clinical Haematology</i> , 2021, 34, 101282.	0.7	15
29	DNA methylation in <i>PRDM8</i> is indicative for dyskeratosis congenita. <i>Oncotarget</i> , 2016, 7, 10765-10772.	0.8	15
30	Chronic replicative stress induced by CCL4 in TRF1 knockout mice recapitulates the origin of large liver cell changes. <i>Journal of Hepatology</i> , 2015, 63, 446-455.	1.8	13
31	Revesz syndrome revisited. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 299.	1.2	13
32	Telomerase and Pluripotency Factors Jointly Regulate Stemness in Pancreatic Cancer Stem Cells. <i>Cancers</i> , 2021, 13, 3145.	1.7	13
33	Comprehensive Genomic Analysis Provides Further Evidence That Iron Overload Can Induce Genetic Instability in Myelodysplastic Syndromes. <i>Blood</i> , 2015, 126, 2842-2842.	0.6	13
34	A novel autosomal recessive TERT T1129P mutation in a dyskeratosis congenita family leads to cellular senescence and loss of CD34+ hematopoietic stem cells not reversible by mTOR-inhibition. <i>Aging</i> , 2015, 7, 911-927.	1.4	13
35	Infliximab therapy together with tyrosine kinase inhibition targets leukemic stem cells in chronic myeloid leukemia. <i>BMC Cancer</i> , 2019, 19, 658.	1.1	12
36	Investigation of measurable residual disease in acute myeloid leukemia by DNA methylation patterns. <i>Leukemia</i> , 2022, 36, 80-89.	3.3	12

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37	Determinants of survival after lung transplantation in telomerase-related gene mutation carriers: A retrospective cohort. <i>American Journal of Transplantation</i> , 2022, 22, 1236-1244.	2.6	11
38	Presence of TERT Promoter Mutations is a Secondary Event and Associates with Elongated Telomere Length in Myxoid Liposarcomas. <i>International Journal of Molecular Sciences</i> , 2018, 19, 608.	1.8	9
39	Tracking myeloid malignancies by targeted analysis of successive DNA methylation at neighboring CG dinucleotides. <i>Haematologica</i> , 2019, 104, e349-e351.	1.7	9
40	Serum Levels of Soluble Urokinase Plasminogen Activator Receptor Predict Tumor Response and Outcome to Immune Checkpoint Inhibitor Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 646883.	1.3	7
41	Effects of continuous high-dose G-CSF administration on hematopoietic stem cell mobilization and telomere length in patients with amyotrophic lateral sclerosis – a pilot study. <i>Cytokine</i> , 2019, 120, 192-201.	1.4	6
42	Interstitial lung diseases associated with mutations of poly(A)-specific ribonuclease: A multicentre retrospective study. <i>Respirology</i> , 2022, 27, 226-235.	1.3	6
43	Germ line predisposition to myeloid malignancies appearing in adulthood. <i>Expert Review of Hematology</i> , 2018, 11, 625-636.	1.0	5
44	Cord blood telomere shortening associates with increased gestational age and birth weight in preterm neonates. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 344.	0.8	5
45	Telomere Shortening in Peripheral Leukocytes Is Associated With Poor Survival in Cancer Patients Treated With Immune Checkpoint Inhibitor Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 729207.	1.3	5
46	Antibody titers after SARS-CoV-2 mRNA vaccination in patients with aplastic anemia – A single-center study. <i>European Journal of Haematology</i> , 2022, 108, 528-531.	1.1	4
47	Influence of Telomere Length in Hepatocytes on Liver Regeneration after Partial Hepatectomy in Rats. <i>European Surgical Research</i> , 2018, 59, 83-90.	0.6	3
48	Selective ABO immunoadsorption in hematopoietic stem cell transplantation with major ABO incompatibility. <i>European Journal of Haematology</i> , 2021, 107, 324-332.	1.1	3
49	Transient elastography in adult patients with cryptic dyskeratosis congenita reveals subclinical liver fibrosis: a retrospective analysis of the Aachen telomere biology disease registry. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 395.	1.2	3
50	Longitudinal changes in telomere length in PCB-exposed individuals: interaction with CMV infection. <i>Archives of Toxicology</i> , 2021, 95, 1517-1520.	1.9	2
51	Age-Associated DNA Methylation Signature Reveals Premature Aging In Patients With Aplastic Anemia and Dyskeratosis Congenita Which Correlates With Telomere Shortening. <i>Blood</i> , 2013, 122, 1223-1223.	0.6	2
52	Influence of Telomere Length on the Achievement of Deep Molecular Response With Imatinib in Chronic Myeloid Leukemia Patients. <i>HemaSphere</i> , 2021, 5, e657.	1.2	2
53	Effective treatment of advanced Hodgkin lymphoma with a modified BEACOPP regimen for a patient with demyelinating hereditary motor and sensory neuropathy type 1 (HMSN1). <i>Clinical Case Reports (discontinued)</i> , 2022, 10, e05766.	0.2	2
54	Successful allogeneic stem cell transplantation of a patient with Werner syndrome and acute myeloid leukemia. <i>Leukemia Research</i> , 2021, 108, 106609.	0.4	1

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55	Internet-based patient survey on the consequences of COVID-19 lockdown on treatment and medical follow-up of patients with aplastic anemia or paroxysmal nocturnal hemoglobinuria in Germany. <i>European Journal of Haematology</i> , 2021, 106, 740-742.	1.1	0
56	Genetic Characterization Of Aplastic Anemia Patients By Targeted Sequencing. <i>Blood</i> , 2013, 122, 2470-2470.	0.6	0
57	Enterocytes Of Patients With Uncontrolled Acute Graft Versus Host Disease Of The Gut Undergo Massive Telomere Shortening Compared To Unaffected Controls. <i>Blood</i> , 2013, 122, 4467-4467.	0.6	0
58	The 3-OH Derivative of the Polychlorinated Biphenyl (PCB)-28 Inhibits Telomerase Expression and Accelerates Telomere Shortening in Vitro: A Rationale for the Significantly Shortened Telomere Length Found in Peripheral Blood Lymphocytes of Workers Exposed to High Doses of Lower Chlorinated PCBs. <i>Blood</i> , 2014, 124, 4139-4139.	0.6	0
59	Evidence for Premature Aging of (Clonal but also) Non-Clonal Hematopoietic Stem Cells in Patients with Acute Myeloid Leukemia (AML). <i>Blood</i> , 2014, 124, 1048-1048.	0.6	0
60	Cooperating Effect of Rps14, Csnk1a1 and miRNA145/miRNA146a Haploinsufficiency in the Activation of the Innate Immune System in Del(5q) MDS. <i>Blood</i> , 2015, 126, 356-356.	0.6	0
61	Prevalence of Inherited Predisposition Syndromes in Young Patients with Acute Myeloid Leukemia and Aberrant Karyotype. <i>Blood</i> , 2020, 136, 41-42.	0.6	0
62	RPA1 Gain of Function Causes Human Short Telomere Syndrome with Revertant Somatic Mosaicism. <i>Blood</i> , 2020, 136, 36-37.	0.6	0
63	Retrospective observational study evaluating zinc plasma level in patients undergoing thoracoabdominal aortic aneurysm repair and its correlation with outcome. <i>Scientific Reports</i> , 2021, 11, 24348.	1.6	0