

# Rik Gijsbers

## List of Publications by Year in descending order

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68  
papers

3,050  
citations

147801

31  
h-index

168389

53  
g-index

70  
all docs

70  
docs citations

70  
times ranked

4846  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent Human iPSC-Derived Neurospheroids Enable Modeling of Neurotoxicity After Oxygen-glucose Deprivation. <i>Neurotherapeutics</i> , 2022, 19, 550-569.	4.4	5
2	Urine-Derived Kidney Progenitor Cells in Cystinosis. <i>Cells</i> , 2022, 11, 1245.	4.1	2
3	Herpes simplex encephalitis in a patient with a distinctive form of inherited IFNAR1 deficiency. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	64
4	Transcriptional Profiling of STAT1 Gain-of-Function Reveals Common and Mutation-Specific Fingerprints. <i>Frontiers in Immunology</i> , 2021, 12, 632997.	4.8	15
5	Baboon Envelope Pseudotyped "Nanoblades" Carrying Cas9/gRNA Complexes Allow Efficient Genome Editing in Human T, B, and CD34+ Cells and Knock-in of AAV6-Encoded Donor DNA in CD34+ Cells. <i>Frontiers in Genome Editing</i> , 2021, 3, 604371.	5.2	25
6	Predicting genotoxicity of viral vectors for stem cell gene therapy using gene expression-based machine learning. <i>Molecular Therapy</i> , 2021, 29, 3383-3397.	8.2	25
7	Improved functionality and potency of next generation BinMLV viral vectors toward safer gene therapy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 23, 51-67.	4.1	2
8	Cardiac Microvascular Endothelial Cells in Pressure Overload-Induced Heart Disease. <i>Circulation: Heart Failure</i> , 2021, 14, e006979.	3.9	20
9	CRISPR/Cas9-Induced Mutagenesis Corroborates the Role of Transportin-SR2 in HIV-1 Nuclear Import. <i>Microbiology Spectrum</i> , 2021, 9, e0133621.	3.0	3
10	Size and affinity kinetics of nanobodies influence targeting and penetration of solid tumours. <i>Journal of Controlled Release</i> , 2020, 317, 34-42.	9.9	115
11	Interstitial Cell Remodeling Promotes Aberrant Adipogenesis in Dystrophic Muscles. <i>Cell Reports</i> , 2020, 31, 107597.	6.4	64
12	Tissue-Specific Ferritin- and GFP-Based Genetic Vectors Visualize Neurons by MRI in the Intact and Post-Ischemic Rat Brain. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8951.	4.1	5
13	MICAL2 is essential for myogenic lineage commitment. <i>Cell Death and Disease</i> , 2020, 11, 654.	6.3	17
14	Live Cell Imaging Demonstrates Multiple Routes Toward a STAT1 Gain-of-Function Phenotype. <i>Frontiers in Immunology</i> , 2020, 11, 1114.	4.8	11
15	Phenotyping of Rare CFTR Mutations Reveals Distinct Trafficking and Functional Defects. <i>Cells</i> , 2020, 9, 754.	4.1	23
16	AAV9-Mediated Overexpression of TRPM4 Increases the Incidence of Stress-Induced Ventricular Arrhythmias in Mice. <i>Frontiers in Physiology</i> , 2019, 10, 802.	2.8	15
17	Inherited IFNAR1 deficiency in otherwise healthy patients with adverse reaction to measles and yellow fever live vaccines. <i>Journal of Experimental Medicine</i> , 2019, 216, 2057-2070.	8.5	127
18	Cytokines trigger disruption of endothelium barrier function and p38MAP kinase activation in silenced human lung microvascular endothelial cells. <i>Pulmonary Circulation</i> , 2019, 9, 1-13.	1.7	12

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19	Growth Factor Screening in Dystrophic Muscles Reveals PDGFB/PDGFRB-Mediated Migration of Interstitial Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1118.	4.1	12
20	Impact of LEDGIN treatment during virus production on residual HIV-1 transcription. <i>Retrovirology</i> , 2019, 16, 8.	2.0	22
21	Targeted editing of the PSIP1 gene encoding LEDGF/p75 protects cells against HIV infection. <i>Scientific Reports</i> , 2019, 9, 2389.	3.3	10
22	Molecular Basis of Cystinosis: Geographic Distribution, Functional Consequences of Mutations in the <i>CTNS</i> Gene, and Potential for Repair. <i>Nephron</i> , 2019, 141, 133-146.	1.8	44
23	HOXA9 Cooperates with Activated JAK/STAT Signaling to Drive Leukemia Development. <i>Cancer Discovery</i> , 2018, 8, 616-631.	9.4	76
24	Microgels produced using microfluidic on-chip polymer blending for controlled released of VEGF encoding lentivectors. <i>Acta Biomaterialia</i> , 2018, 69, 265-276.	8.3	37
25	A kindred with mutant IKAROS and autoimmunity. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 699-702.e12.	2.9	39
26	Fate of mesoangioblasts in a vaginal birth injury model: influence of the route of administration. <i>Scientific Reports</i> , 2018, 8, 10604.	3.3	7
27	Y-box-binding protein 1 supports the early and late steps of HIV replication. <i>PLoS ONE</i> , 2018, 13, e0200080.	2.5	11
28	Evaluation of WGA-Cre-dependent topological transgene expression in the rodent brain. <i>Brain Structure and Function</i> , 2017, 222, 717-733.	2.3	16
29	A novel kindred with inherited STAT2 deficiency and severe viral illness. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1995-1997.e9.	2.9	71
30	Engineering Next-Generation BET-Independent MLV Vectors for Safer Gene Therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 7, 231-245.	5.1	19
31	Measles virus envelope pseudotyped lentiviral vectors transduce quiescent human HSCs at an efficiency without precedent. <i>Blood Advances</i> , 2017, 1, 2088-2104.	5.2	37
32	Insight into HIV-2 latency may disclose strategies for a cure for HIV-1 infection. <i>Journal of Virus Eradication</i> , 2017, 3, 7-14.	0.5	3
33	Cardiac Niche Influences the Direct Reprogramming of Canine Fibroblasts into Cardiomyocyte-Like Cells. <i>Stem Cells International</i> , 2016, 2016, 1-13.	2.5	10
34	Towards a Safer, More Randomized Lentiviral Vector Integration Profile Exploring Artificial LEDGF Chimeras. <i>PLoS ONE</i> , 2016, 11, e0164167.	2.5	24
35	LEDGIN-mediated Inhibition of Integrase-LEDGF/p75 Interaction Reduces Reactivation of Residual Latent HIV. <i>EBioMedicine</i> , 2016, 8, 248-264.	6.1	90
36	Dynamic Oligomerization of Integrase Orchestrates HIV Nuclear Entry. <i>Scientific Reports</i> , 2016, 6, 36485.	3.3	28

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37	Development of an Alpha-synuclein Based Rat Model for Parkinson's Disease via Stereotactic Injection of a Recombinant Adeno-associated Viral Vector. <i>Journal of Visualized Experiments</i> , 2016, , 53670.	0.3	8
38	Preclinical Evaluation of a P2X7 Receptor Selective Radiotracer: PET Studies in a Rat Model with Local Overexpression of the Human P2X7 Receptor and in Nonhuman Primates. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1436-1441.	5.0	77
39	Noninvasive Imaging Reveals Stable Transgene Expression in Mouse Airways After Delivery of a Nonintegrating Recombinant Adeno-Associated Viral Vector. <i>Human Gene Therapy</i> , 2016, 27, 60-71.	2.7	10
40	Comparative Analysis of HIV-1 and Murine Leukemia Virus Three-Dimensional Nuclear Distributions. <i>Journal of Virology</i> , 2016, 90, 5205-5209.	3.4	17
41	Sodium Iodide Symporter PET and BLI Noninvasively Reveal Mesoangioblast Survival in Dystrophic Mice. <i>Stem Cell Reports</i> , 2015, 5, 1183-1195.	4.8	17
42	Retroviral integration: Site matters. <i>BioEssays</i> , 2015, 37, 1202-1214.	2.5	61
43	The dark side of ID8-Luc2: pitfalls for luciferase tagged murine models for ovarian cancer. , 2015, 3, 57.		17
44	Serotype-dependent transduction efficiencies of recombinant adeno-associated viral vectors in monkey neocortex. <i>NeuroPhotonics</i> , 2015, 2, 031209.	3.3	43
45	Host factors for retroviral integration site selection. <i>Trends in Biochemical Sciences</i> , 2015, 40, 108-116.	7.5	83
46	FK506 reduces neuroinflammation and dopaminergic neurodegeneration in an $\alpha$ -synuclein-based rat model for Parkinson's disease. <i>Neurobiology of Aging</i> , 2015, 36, 1559-1568.	3.1	68
47	Longitudinal follow-up and characterization of a robust rat model for Parkinson's disease based on overexpression of alpha-synuclein with adeno-associated viral vectors. <i>Neurobiology of Aging</i> , 2015, 36, 1543-1558.	3.1	75
48	Evaluation of the expression pattern of rAAV2/1, 2/5, 2/7, 2/8, and 2/9 serotypes with different promoters in the mouse visual cortex. <i>Journal of Comparative Neurology</i> , 2015, 523, Spc1-Spc1.	1.6	1
49	Assessment of bystander killing-mediated therapy of malignant brain tumors using a multimodal imaging approach. <i>Stem Cell Research and Therapy</i> , 2015, 6, 163.	5.5	14
50	Optimization of Multimodal Imaging of Mesenchymal Stem Cells Using the Human Sodium Iodide Symporter for PET and Cerenkov Luminescence Imaging. <i>PLoS ONE</i> , 2014, 9, e94833.	2.5	32
51	The HIV-1 Integrase Mutant R263A/K264A Is 2-fold Defective for TRN-SR2 Binding and Viral Nuclear Import. <i>Journal of Biological Chemistry</i> , 2014, 289, 25351-25361.	3.4	28
52	Noninvasive Bioluminescence Imaging of $\alpha$ -Synuclein Oligomerization in Mouse Brain Using Split Firefly Luciferase Reporters. <i>Journal of Neuroscience</i> , 2014, 34, 16518-16532.	3.6	24
53	Viral vectors expressing a single microRNA-based short-hairpin RNA result in potent gene silencing in vitro and in vivo. <i>Journal of Biotechnology</i> , 2014, 169, 71-81.	3.8	22
54	HIV-1 Integrase Variants Retarget Viral Integration and Are Associated with Disease Progression in a Chronic Infection Cohort. <i>Cell Host and Microbe</i> , 2014, 16, 651-662.	11.0	44

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55	BET-independent MLV-based Vectors Target Away From Promoters and Regulatory Elements. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e179.	5.1	43
56	Bioluminescence imaging of stroke-induced endogenous neural stem cell response. <i>Neurobiology of Disease</i> , 2014, 69, 144-155.	4.4	27
57	The BET Family of Proteins Targets Moloney Murine Leukemia Virus Integration near Transcription Start Sites. <i>Cell Reports</i> , 2013, 5, 886-894.	6.4	162
58	Transient Expression of an LEDGF/p75 Chimera Retargets Lentivector Integration and Functionally Rescues in a Model for X-CGD. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e77.	5.1	13
59	LEDGF/p75-Independent HIV-1 Replication Demonstrates a Role for HRP-2 and Remains Sensitive to Inhibition by LEDGINs. <i>PLoS Pathogens</i> , 2012, 8, e1002558.	4.7	117
60	The transcriptional co-activator LEDGF/p75 displays a dynamic scan-and-lock mechanism for chromatin tethering. <i>Nucleic Acids Research</i> , 2011, 39, 1310-1325.	14.5	56
61	Role of the PWWP Domain of Lens Epithelium-derived Growth Factor (LEDGF)/p75 Cofactor in Lentiviral Integration Targeting. <i>Journal of Biological Chemistry</i> , 2011, 286, 41812-41826.	3.4	39
62	High-resolution profiling of the LEDGF/p75 chromatin interaction in the ENCODE region. <i>Nucleic Acids Research</i> , 2010, 38, 6135-6147.	14.5	65
63	LEDGF Hybrids Efficiently Retarget Lentiviral Integration Into Heterochromatin. <i>Molecular Therapy</i> , 2010, 18, 552-560.	8.2	144
64	Lens Epithelium-derived Growth Factor/p75 Interacts with the Transposase-derived DDE Domain of PoxZ. <i>Journal of Biological Chemistry</i> , 2009, 284, 11467-11477.	3.4	82
65	Highly Efficient Multicistronic Lentiviral Vectors with Peptide 2A Sequences. <i>Human Gene Therapy</i> , 2009, 20, 845-860.	2.7	128
66	Differential Interaction of HIV-1 Integrase and JPO2 with the C Terminus of LEDGF/p75. <i>Journal of Molecular Biology</i> , 2007, 372, 407-421.	4.2	75
67	Overexpression of the Lens Epithelium-Derived Growth Factor/p75 Integrase Binding Domain Inhibits Human Immunodeficiency Virus Replication. <i>Journal of Virology</i> , 2006, 80, 11498-11509.	3.4	154
68	Transient and Stable Knockdown of the Integrase Cofactor LEDGF/p75 Reveals Its Role in the Replication Cycle of Human Immunodeficiency Virus. <i>Journal of Virology</i> , 2006, 80, 1886-1896.	3.4	198