Rik Gijsbers

List of Publications by Year
in descending order

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68	3,050	147801	168389
papers	citations	31 h-index	53 g-index

70	70	70	4846
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transient and Stable Knockdown of the Integrase Cofactor LEDGF/p75 Reveals Its Role in the Replication Cycle of Human Immunodeficiency Virus. Journal of Virology, 2006, 80, 1886-1896.	3.4	198
2	The BET Family of Proteins Targets Moloney Murine Leukemia Virus Integration near Transcription Start Sites. Cell Reports, 2013, 5, 886-894.	6.4	162
3	Overexpression of the Lens Epithelium-Derived Growth Factor/p75 Integrase Binding Domain Inhibits Human Immunodeficiency Virus Replication. Journal of Virology, 2006, 80, 11498-11509.	3.4	154
4	LEDGF Hybrids Efficiently Retarget Lentiviral Integration Into Heterochromatin. Molecular Therapy, 2010, 18, 552-560.	8.2	144
5	Highly Efficient Multicistronic Lentiviral Vectors with Peptide 2A Sequences. Human Gene Therapy, 2009, 20, 845-860.	2.7	128
6	Inherited IFNAR1 deficiency in otherwise healthy patients with adverse reaction to measles and yellow fever live vaccines. Journal of Experimental Medicine, 2019, 216, 2057-2070.	8.5	127
7	LEDGF/p75-Independent HIV-1 Replication Demonstrates a Role for HRP-2 and Remains Sensitive to Inhibition by LEDGINs. PLoS Pathogens, 2012, 8, e1002558.	4.7	117
8	Size and affinity kinetics of nanobodies influence targeting and penetration of solid tumours. Journal of Controlled Release, 2020, 317, 34-42.	9.9	115
9	LEDGIN-mediated Inhibition of Integraseâ€“LEDGF/p75 Interaction Reduces Reactivation of Residual Latent HIV. EBioMedicine, 2016, 8, 248-264.	6.1	90
10	Host factors for retroviral integration site selection. Trends in Biochemical Sciences, 2015, 40, 108-116.	7.5	83
11	Lens Epithelium-derived Growth Factor/p75 Interacts with the Transposase-derived DDE Domain of PogZ. Journal of Biological Chemistry, 2009, 284, 11467-11477.	3.4	82
12	Preclinical Evaluation of a P2X7 Receptorâ€“Selective Radiotracer: PET Studies in a Rat Model with Local Overexpression of the Human P2X7 Receptor and in Nonhuman Primates. Journal of Nuclear Medicine, 2016, 57, 1436-1441.	5.0	77
13	HOXA9 Cooperates with Activated JAK/STAT Signaling to Drive Leukemia Development. Cancer Discovery, 2018, 8, 616-631.	9.4	76
14	Differential Interaction of HIV-1 Integrase and JPO2 with the C Terminus of LEDGF/p75. Journal of Molecular Biology, 2007, 372, 407-421.	4.2	75
15	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. Neurobiology of Aging, 2015, 36, 1543-1558.	3.1	75
16	A novel kindred with inherited STAT2 deficiency and severe viral illness. Journal of Allergy and Clinical Immunology, 2017, 139, 1995-1997.e9.	2.9	71
17	FK506 reduces neuroinflammation and dopaminergic neurodegeneration in an Î±-synuclein-based rat model for Parkinson's disease. Neurobiology of Aging, 2015, 36, 1559-1568.	3.1	68
18	High-resolution profiling of the LEDGF/p75 chromatin interaction in the ENCODE region. Nucleic Acids Research, 2010, 38, 6135-6147.	14.5	65

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19	Interstitial Cell Remodeling Promotes Aberrant Adipogenesis in Dystrophic Muscles. Cell Reports, 2020, 31, 107597.	6.4	64
20	Herpes simplex encephalitis in a patient with a distinctive form of inherited IFNAR1 deficiency. Journal of Clinical Investigation, 2021, 131, .	8.2	64
21	Retroviral integration: Site matters. BioEssays, 2015, 37, 1202-1214.	2.5	61
22	The transcriptional co-activator LEDGF/p75 displays a dynamic scan-and-lock mechanism for chromatin tethering. Nucleic Acids Research, 2011, 39, 1310-1325.	14.5	56
23	HIV-1 Integrase Variants Retarget Viral Integration and Are Associated with Disease Progression in a Chronic Infection Cohort. Cell Host and Microbe, 2014, 16, 651-662.	11.0	44
24	Molecular Basis of Cystinosis: Geographic Distribution, Functional Consequences of Mutations in the <i>CTNS</i> Gene, and Potential for Repair. Nephron, 2019, 141, 133-146.	1.8	44
25	BET-independent MLV-based Vectors Target Away From Promoters and Regulatory Elements. Molecular Therapy - Nucleic Acids, 2014, 3, e179.	5.1	43
26	Serotype-dependent transduction efficiencies of recombinant adeno-associated viral vectors in monkey neocortex. Neurophotonics, 2015, 2, 031209.	3.3	43
27	Role of the PWWP Domain of Lens Epithelium-derived Growth Factor (LEDGF)/p75 Cofactor in Lentiviral Integration Targeting. Journal of Biological Chemistry, 2011, 286, 41812-41826.	3.4	39
28	A kindred with mutant IKAROS and autoimmunity. Journal of Allergy and Clinical Immunology, 2018, 142, 699-702.e12.	2.9	39
29	Measles virus envelope pseudotyped lentiviral vectors transduce quiescent human HSCs at an efficiency without precedent. Blood Advances, 2017, 1, 2088-2104.	5.2	37
30	Microgels produced using microfluidic on-chip polymer blending for controlled released of VEGF encoding lentivectors. Acta Biomaterialia, 2018, 69, 265-276.	8.3	37
31	Optimization of Multimodal Imaging of Mesenchymal Stem Cells Using the Human Sodium Iodide Symporter for PET and Cerenkov Luminescence Imaging. PLoS ONE, 2014, 9, e94833.	2.5	32
32	The HIV-1 Integrase Mutant R263A/K264A Is 2-fold Defective for TRN-SR2 Binding and Viral Nuclear Import. Journal of Biological Chemistry, 2014, 289, 25351-25361.	3.4	28
33	Dynamic Oligomerization of Integrase Orchestrates HIV Nuclear Entry. Scientific Reports, 2016, 6, 36485.	3.3	28
34	Bioluminescence imaging of stroke-induced endogenous neural stem cell response. Neurobiology of Disease, 2014, 69, 144-155.	4.4	27
35	Baboon Envelope Pseudotyped â€œNanobladesâ€•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. Frontiers in Genome Editing, 2021, 3, 604371.	5.2	25
36	Predicting genotoxicity of viral vectors for stem cell gene therapy using gene expression-based machine learning. Molecular Therapy, 2021, 29, 3383-3397.	8.2	25

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37	Noninvasive Bioluminescence Imaging of Î±-Synuclein Oligomerization in Mouse Brain Using Split Firefly Luciferase Reporters. Journal of Neuroscience, 2014, 34, 16518-16532.	3.6	24
38	Towards a Safer, More Randomized Lentiviral Vector Integration Profile Exploring Artificial LEDGF Chimeras. PLoS ONE, 2016, 11, e0164167.	2.5	24
39	Phenotyping of Rare CFTR Mutations Reveals Distinct Trafficking and Functional Defects. Cells, 2020, 9, 754.	4.1	23
40	Viral vectors expressing a single microRNA-based short-hairpin RNA result in potent gene silencing in vitro and in vivo. Journal of Biotechnology, 2014, 169, 71-81.	3.8	22
41	Impact of LEDGIN treatment during virus production on residual HIV-1 transcription. Retrovirology, 2019, 16, 8.	2.0	22
42	Cardiac Microvascular Endothelial Cells in Pressure Overloadâ€“Induced Heart Disease. Circulation: Heart Failure, 2021, 14, e006979.	3.9	20
43	Engineering Next-Generation BET-Independent MLV Vectors for Safer Gene Therapy. Molecular Therapy - Nucleic Acids, 2017, 7, 231-245.	5.1	19
44	Sodium Iodide Symporter PET and BLI Noninvasively Reveal Mesoangioblast Survival in Dystrophic Mice. Stem Cell Reports, 2015, 5, 1183-1195.	4.8	17
45	The dark side of ID8-Luc2: pitfalls for luciferase tagged murine models for ovarian cancer. , 2015, 3, 57.		17
46	Comparative Analysis of HIV-1 and Murine Leukemia Virus Three-Dimensional Nuclear Distributions. Journal of Virology, 2016, 90, 5205-5209.	3.4	17
47	MICAL2 is essential for myogenic lineage commitment. Cell Death and Disease, 2020, 11, 654.	6.3	17
48	Evaluation of WGAâ€“Cre-dependent topological transgene expression in the rodent brain. Brain Structure and Function, 2017, 222, 717-733.	2.3	16
49	AAV9-Mediated Overexpression of TRPM4 Increases the Incidence of Stress-Induced Ventricular Arrhythmias in Mice. Frontiers in Physiology, 2019, 10, 802.	2.8	15
50	Transcriptional Profiling of STAT1 Gain-of-Function Reveals Common and Mutation-Specific Fingerprints. Frontiers in Immunology, 2021, 12, 632997.	4.8	15
51	Assessment of bystander killing-mediated therapy of malignant brain tumors using a multimodal imaging approach. Stem Cell Research and Therapy, 2015, 6, 163.	5.5	14
52	Transient Expression of an LEDGF/p75 Chimera Retargets Lentivector Integration and Functionally Rescues in a Model for X-CGD. Molecular Therapy - Nucleic Acids, 2013, 2, e77.	5.1	13
53	Cytokines trigger disruption of endothelium barrier function and p38ÂMAP kinase activation in BMPR2â€silenced human lung microvascular endothelial cells. Pulmonary Circulation, 2019, 9, 1-13.	1.7	12
54	Growth Factor Screening in Dystrophic Muscles Reveals PDGFB/PDGFRB-Mediated Migration of Interstitial Stem Cells. International Journal of Molecular Sciences, 2019, 20, 1118.	4.1	12

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55	Y-box-binding protein 1 supports the early and late steps of HIV replication. PLoS ONE, 2018, 13, e0200080.	2.5	11
56	Live Cell Imaging Demonstrates Multiple Routes Toward a STAT1 Gain-of-Function Phenotype. Frontiers in Immunology, 2020, 11, 1114.	4.8	11
57	Cardiac Niche Influences the Direct Reprogramming of Canine Fibroblasts into Cardiomyocyte-Like Cells. Stem Cells International, 2016, 2016, 1-13.	2.5	10
58	Noninvasive Imaging Reveals Stable Transgene Expression in Mouse Airways After Delivery of a Nonintegrating Recombinant Adeno-Associated Viral Vector. Human Gene Therapy, 2016, 27, 60-71.	2.7	10
59	Targeted editing of the PSIP1 gene encoding LEDGF/p75 protects cells against HIV infection. Scientific Reports, 2019, 9, 2389.	3.3	10
60	Development of an Alpha-synuclein Based Rat Model for Parkinson's Disease via Stereotactic Injection of a Recombinant Adeno-associated Viral Vector. Journal of Visualized Experiments, 2016, , 53670.	0.3	8
61	Fate of mesoangioblasts in a vaginal birth injury model: influence of the route of administration. Scientific Reports, 2018, 8, 10604.	3.3	7
62	Tissue-Specific Ferritin- and GFP-Based Genetic Vectors Visualize Neurons by MRI in the Intact and Post-Ischemic Rat Brain. International Journal of Molecular Sciences, 2020, 21, 8951.	4.1	5
63	Luminescent HumanÂiPSC-Derived Neurospheroids Enable Modeling of Neurotoxicity After Oxygenâ€“glucose Deprivation. Neurotherapeutics, 2022, 19, 550-569.	4.4	5
64	CRISPR/Cas9-Induced Mutagenesis Corroborates the Role of Transportin-SR2 in HIV-1 Nuclear Import. Microbiology Spectrum, 2021, 9, e0133621.	3.0	3
65	Insight into HIV-2 latency may disclose strategies for a cure for HIV-1 infection. Journal of Virus Eradication, 2017, 3, 7-14.	0.5	3
66	Improved functionality and potency of next generation BinMLV viral vectors toward safer gene therapy. Molecular Therapy - Methods and Clinical Development, 2021, 23, 51-67.	4.1	2
67	Urine-Derived Kidney Progenitor Cells in Cystinosis. Cells, 2022, 11, 1245.	4.1	2
68	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. Journal of Comparative Neurology, 2015, 523, Spc1-Spc1.	1.6	1