Zeger Debyser

List of Publications by Year
in descending order

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304 papers	14,507 citations	16450 64 h-index	29154 104 g-index
325 all docs	325 docs citations	325 times ranked	12757 citing authors

#	Article	IF	Citations
1	LEDGF/p75-mediated chemoresistance of mixed-lineage leukemia involves cell survival pathways and super enhancer activators. Cancer Gene Therapy, 2022, 29, 133-140.	4.6	7
2	Design, synthesis, in silico studies, and antiproliferative evaluations of novel indolin-2-one derivatives containing 3-hydroxy-4-pyridinone fragment. Bioorganic and Medicinal Chemistry Letters, 2022, 70, 128784.	2.2	3
3	Expansion microscopy allows high resolution single cell analysis of epigenetic readers. Nucleic Acids Research, 2022, 50, e100-e100.	14.5	4
4	Single-Cell Imaging Shows That the Transcriptional State of the HIV-1 Provirus and Its Reactivation Potential Depend on the Integration Site. MBio, 2022, 13, .	4.1	11
5	LEDGINs, Inhibitors of the Interaction Between HIV-1 Integrase and LEDGF/p75, Are Potent Antivirals with a Potential to Cure HIV Infection. Advances in Experimental Medicine and Biology, 2021, 1322, 97-114.	1.6	6
6	Towards a Functional Cure of HIV-1: Insight Into the Chromatin Landscape of the Provirus. Frontiers in Microbiology, 2021, 12, 636642.	3.5	9
7	GS-9822, a Preclinical LEDGIN Candidate, Displays a Block-and-Lock Phenotype in Cell Culture. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	17
8	Role of Transportin-SR2 in HIV-1 Nuclear Import. Viruses, 2021, 13, 829.	3.3	6
9	Unlike its Paralog LEDGF/p75, HRP-2 Is Dispensable for MLL-R Leukemogenesis but Important for Leukemic Cell Survival. Cells, 2021, 10, 192.	4.1	5
10	CRISPR/Cas9-Induced Mutagenesis Corroborates the Role of Transportin-SR2 in HIV-1 Nuclear Import. Microbiology Spectrum, 2021, 9, e0133621.	3.0	3
11	A ubiquitous disordered protein interaction module orchestrates transcription elongation. Science, 2021, 374, 1113-1121.	12.6	34
12	Molecular Mechanism of LEDGF/p75 Dimerization. Structure, 2020, 28, 1288-1299.e7.	3.3	4
13	Imaging the Replication of Single Viruses: Lessons Learned from HIV and Future Challenges To Overcome. ACS Nano, 2020, 14, 10775-10783.	14.6	4
14	Phenotyping of Rare CFTR Mutations Reveals Distinct Trafficking and Functional Defects. Cells, 2020, 9, 754.	4.1	23
15	The chromatin landscape at the HIV-1 provirus integration site determines viral expression. Nucleic Acids Research, 2020, 48, 7801-7817.	14.5	42
16	Block-And-Lock Strategies to Cure HIV Infection. Viruses, 2020, 12, 84.	3.3	109
17	Capsid-Labelled HIV To Investigate the Role of Capsid during Nuclear Import and Integration. Journal of Virology, 2020, 94, .	3.4	34
18	Identification of Novel 3-Hydroxy-pyran-4-One Derivatives as Potent HIV-1 Integrase Inhibitors Using in silico Structure-Based Combinatorial Library Design Approach. Frontiers in Chemistry, 2019, 7, 574.	3.6	32

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19	Allele specific repair of splicing mutations in cystic fibrosis through AsCas12a genome editing. Nature Communications, 2019, 10, 3556.	12.8	61
20	The mutation of Transportin 3 gene that causes limb girdle muscular dystrophy 1F induces protection against HIV-1 infection. PLoS Pathogens, 2019, 15, e1007958.	4.7	22
21	Design of reverse transcriptaseâ€“specific nucleosides to visualize early steps of HIV-1 replication by click labeling. Journal of Biological Chemistry, 2019, 294, 11863-11875.	3.4	5
22	Impact of LEDGIN treatment during virus production on residual HIV-1 transcription. Retrovirology, 2019, 16, 8.	2.0	22
23	Propargylated Purine Deoxynucleosides: New Tools for Fluorescence Imaging Strategies. Molecules, 2019, 24, 468.	3.8	6
24	Targeted editing of the PSIP1 gene encoding LEDGF/p75 protects cells against HIV infection. Scientific Reports, 2019, 9, 2389.	3.3	10
25	Establishment of latent HIV-1 reservoirs: what do we really know?. Journal of Virus Eradication, 2019, 5, 3-9.	0.5	69
26	The free energy landscape of retroviral integration. Nature Communications, 2019, 10, 4738.	12.8	17
27	Post-mitotic BET-induced reshaping of integrase quaternary structure supports wild-type MLV integration. Nucleic Acids Research, 2019, 47, 1195-1210.	14.5	18
28	Insight in HIV Integration Site Selection Provides a Block-and-Lock Strategy for a Functional Cure of HIV Infection. Viruses, 2019, 11, 12.	3.3	26
29	Synthesis, Molecular Modelling and Biological Studies of 3-hydroxypyrane- 4-one and 3-hydroxy-pyridine-4-one Derivatives as HIV-1 Integrase Inhibitors. Medicinal Chemistry, 2019, 15, 755-770.	1.5	22
30	Establishment of latent HIV-1 reservoirs: what do we really know?. Journal of Virus Eradication, 2019, 5, 3-9.	0.5	38
31	LEDGF/p75 is dispensable for hematopoiesis but essential for MLL-rearranged leukemogenesis. Blood, 2018, 131, blood-2017-05-786962.	1.4	32
32	Inhibitors of the integraseâ€“transportin-SR2 interaction block HIV nuclear import. Retrovirology, 2018, 15, 5.	2.0	14
33	Analysis of ex vivo HIV-1 infection in a controller-discordant couple. Journal of Virus Eradication, 2018, 4, 170-173.	0.5	3
34	Affinity switching of the LEDGF/p75 IBD interactome is governed by kinase-dependent phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7053-E7062.	7.1	27
35	Y-box-binding protein 1 supports the early and late steps of HIV replication. PLoS ONE, 2018, 13, e0200080.	2.5	11
36	Role of LEDGF/p75 in Cell Biology and Disease Pathogenesis. , 2018, , 1830-1844.		0

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37	Identification and Validation of HIV Cofactors. , 2018, , 1043-1047.		0
38	Cellular Cofactors of HIV as Drug Targets. , 2018, , 253-259.		0
39	Role of Transportin-SR2 (Transportin-3, TRN-SR2, TNPO3) in HIV Replication. , 2018, , 1851-1856.		0
40	Analysis of HIV-1 infection in a controller-discordant couple. Journal of Virus Eradication, 2018, 4, 170-173.	0.5	2
41	Engineering Next-Generation BET-Independent MLV Vectors for Safer Gene Therapy. Molecular Therapy - Nucleic Acids, 2017, 7, 231-245.	5.1	19
42	N-terminal half of transportin SR2 interacts with HIV integrase. Journal of Biological Chemistry, 2017, 292, 9699-9710.	3.4	11
43	Dual role of the chromatin-binding factor PHF13 in the pre- and post-integration phases of HIV-1 replication. Open Biology, 2017, 7, 170115.	3.6	10
44	Proteinâ€"protein and proteinâ€"chromatin interactions of LEDGF/p75 as novel drug targets. Drug Discovery Today: Technologies, 2017, 24, 25-31.	4.0	21
45	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	13
46	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
47	Towards a Safer, More Randomized Lentiviral Vector Integration Profile Exploring Artificial LEDGF Chimeras. PLoS ONE, 2016, 11, e0164167.	2.5	24
48	A novel translational model for fetoscopic intratracheal delivery of nanoparticles in piglets. Prenatal Diagnosis, 2016, 36, 926-934.	2.3	6
49	LEDGIN-mediated Inhibition of Integraseâ€"LEDGF/p75 Interaction Reduces Reactivation of Residual Latent HIV. EBioMedicine, 2016, 8, 248-264.	6.1	90
50	Rational Design, Synthesis and Evaluation of Coumarin Derivatives as Proteinâ€protein Interaction Inhibitors. Molecular Informatics, 2016, 35, 460-473.	2.5	6
51	An integrated multi-electrode-optrode array for in vitro optogenetics. Scientific Reports, 2016, 6, 20353.	3.3	36
52	Dynamic Oligomerization of Integrase Orchestrates HIV Nuclear Entry. Scientific Reports, 2016, 6, 36485.	3.3	28
53	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
54	2-hydroxyisoquinoline-1,3(2 H ,4 H)-diones (HIDs) as human immunodeficiency virus type 1 integrase inhibitors: Influence of the alkylcarboxamide substitution of position 4. European Journal of Medicinal Chemistry, 2016, 117, 256-268.	5.5	11

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55	Lessons Learned: HIV Points the Way Towards Precision Treatment of Mixed-Lineage Leukemia. Trends in Pharmacological Sciences, 2016, 37, 660-671.	8.7	8
56	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
57	Comparative Analysis of HIV-1 and Murine Leukemia Virus Three-Dimensional Nuclear Distributions. Journal of Virology, 2016, 90, 5205-5209.	3.4	17
58	High-content analysis of Î±-synuclein aggregation and cell death in a cellular model of Parkinson's disease. Journal of Neuroscience Methods, 2016, 261, 117-127.	2.5	13
59	rAAV-CFTRÎ”R Rescues the Cystic Fibrosis Phenotype in Human Intestinal Organoids and Cystic Fibrosis Mice. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 288-298.	5.6	55
60	Retroviral integration: Site matters. BioEssays, 2015, 37, 1202-1214.	2.5	61
61	Kuwanonâ€Ł as a New Allosteric HIVâ€1 Integrase Inhibitor: Molecular Modeling and Biological Evaluation. ChemBioChem, 2015, 16, 2507-2512.	2.6	39
62	HIV-1 integrase inhibition: looking at cofactor interactions. Future Medicinal Chemistry, 2015, 7, 2407-2410.	2.3	9
63	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, 2019-2042.	1.6	44
64	HIV-1 IN/Pol recruits LEDGF/p75 into viral particles. Retrovirology, 2015, 12, 16.	2.0	19
65	Serotype-dependent transduction efficiencies of recombinant adeno-associated viral vectors in monkey neocortex. Neurophotonics, 2015, 2, 031209.	3.3	43
66	Host factors for retroviral integration site selection. Trends in Biochemical Sciences, 2015, 40, 108-116.	7.5	83
67	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
68	Multiple cellular proteins interact with LEDGF/p75 through a conserved unstructured consensus motif. Nature Communications, 2015, 6, 7968.	12.8	53
69	Discovery of N-aryl-naphthylamines as inÂvitro inhibitors of the interaction between HIV integrase and the cofactor LEDGF/p75. European Journal of Medicinal Chemistry, 2015, 101, 288-294.	5.5	16
70	Optimization of rhodanine scaffold for the development of proteinâ€“protein interaction inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 3208-3214.	3.0	4
71	Five-drug antiretroviral therapy for primary HIV infection?. Lancet Infectious Diseases, The, 2015, 15, 362-363.	9.1	0
72	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

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73	PET imaging of TSPO in a rat model of local neuroinflammation induced by intracerebral injection of lipopolysaccharide. Nuclear Medicine and Biology, 2015, 42, 753-761.	0.6	48
74	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
75	Targeting Virus-host Interactions of HIV Replication. Current Topics in Medicinal Chemistry, 2015, 16, 1167-1190.	2.1	14
76	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
77	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
78	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
79	LEDGINs, non-catalytic site inhibitors of HIV-1 integrase: a patent review (2006 â€“ 2014). Expert Opinion on Therapeutic Patents, 2014, 24, 609-632.	5.0	61
80	Structure of transportin SR2, a karyopherin involved in human disease, in complex with Ran. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 723-729.	0.8	11
81	Diketoacid chelating ligands as dual inhibitors of HIV-1 integration process. European Journal of Medicinal Chemistry, 2014, 78, 425-430.	5.5	17
82	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
83	Immunological Ignorance Allows Long-Term Gene Expression After Perinatal Recombinant Adeno-Associated Virus-Mediated Gene Transfer to Murine Airways. Human Gene Therapy, 2014, 25, 517-528.	2.7	16
84	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
85	BET-independent MLV-based Vectors Target Away From Promoters and Regulatory Elements. Molecular Therapy - Nucleic Acids, 2014, 3, e179.	5.1	43
86	Structure, mechanics, and binding mode heterogeneity of LEDGF/p75â€“DNA nucleoprotein complexes revealed by scanning force microscopy. Nanoscale, 2014, 6, 4611-4619.	5.6	24
87	Validation of host factors of HIV integration as novel drug targets for anti-HIV therapy. MedChemComm, 2014, 5, 314-320.	3.4	4
88	Investigation of a Novel Series of 2-Hydroxyisoquinoline-1,3(2H,4H)-diones as Human Immunodeficiency Virus Type 1 Integrase Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 4640-4660.	6.4	24
89	Design and discovery of 5-hydroxy-6-oxo-1,6-dihydropyrimidine-4-carboxamide inhibitors of HIV-1 integrase. Bioorganic and Medicinal Chemistry, 2014, 22, 5446-5453.	3.0	15
90	Synthesis and biological evaluation of novel antiviral agents as proteinâ€“protein interaction inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 237-242.	5.2	8

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91	HIV Virions as Nanoscopic Test Tubes for Probing Oligomerization of the Integrase Enzyme. ACS Nano, 2014, 8, 3531-3545.	14.6	11
92	Switching STRATEGIES in HIV treatment. Lancet Infectious Diseases, The, 2014, 14, 537-540.	9.1	4
93	Bioluminescence imaging of stroke-induced endogenous neural stem cell response. Neurobiology of Disease, 2014, 69, 144-155.	4.4	27
94	A new potential approach to block HIV-1 replication via proteinâ€“protein interaction and strand-transfer inhibition. Bioorganic and Medicinal Chemistry, 2014, 22, 2269-2279.	3.0	17
95	Fragment hopping approach directed at design of HIV IN-LEDGF/p75 interaction inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 1002-1009.	5.2	12
96	LEDGINs inhibit late stage HIV-1 replication by modulating integrase multimerization in the virions. Retrovirology, 2013, 10, 57.	2.0	127
97	New scaffolds of natural origin as Integraseâ€“LEDGF/p75 interaction inhibitors: Virtual screening and activity assays. European Journal of Medicinal Chemistry, 2013, 68, 405-411.	5.5	13
98	Discovery of a novel 5-carbonyl-1H-imidazole-4-carboxamide class of inhibitors of the HIV-1 integraseâ€“LEDGF/p75 interaction. Bioorganic and Medicinal Chemistry, 2013, 21, 5963-5972.	3.0	48
99	The remarkable conformational plasticity of alpha-synuclein: blessing or curse?. Trends in Molecular Medicine, 2013, 19, 368-377.	6.7	79
100	Bromodomain and extra-terminal (BET) proteins target Moloney murine leukemia virus integration to transcription start sites. Retrovirology, 2013, 10, .	2.0	0
101	LEDGF/p75 controls 3D-localization of HIV-1 provirus in the nuclear compartment of infected cells. Retrovirology, 2013, 10, .	2.0	0
102	2-Hydroxyisoquinoline-1,3(2H, 4H)diones (HQDs), novel inhibitors of the HIV integrase catalytic activity with a high barrier to resistance. Retrovirology, 2013, 10, .	2.0	0
103	Identification of small peptides inhibiting the integraseâ€“LEDGF/p75 interaction through targeting the cellular coâ€factor. Journal of Peptide Science, 2013, 19, 651-658.	1.4	9
104	HIV-1 Integrase Drug Discovery Comes of Age. Topics in Medicinal Chemistry, 2013, , 1-52.	0.8	4
105	The LEDGF/p75 integrase interaction, a novel target for anti-HIV therapy. Virology, 2013, 435, 102-109.	2.4	96
106	Longâ€term reversal of diabetes in nonâ€obese diabetic mice by liverâ€directed gene therapy. Journal of Gene Medicine, 2013, 15, 28-41.	2.8	30
107	Discovery of novel inhibitors of LEDGF/p75-IN proteinâ€“protein interactions. Bioorganic and Medicinal Chemistry, 2013, 21, 957-963.	3.0	23
108	Rational design of LEDGINs as first allosteric integrase inhibitors for the treatment of HIV infection. Drug Discovery Today: Technologies, 2013, 10, e517-e522.	4.0	7

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109	2-Hydroxyisoquinoline-1,3(2H,4H)-diones (HIDs), Novel Inhibitors of HIV Integrase with a High Barrier to Resistance. ACS Chemical Biology, 2013, 8, 1187-1194.	3.4	25
110	The BET Family of Proteins Targets Moloney Murine Leukemia Virus Integration near Transcription Start Sites. Cell Reports, 2013, 5, 886-894.	6.4	162
111	Fragment-Based Discovery of 8-Hydroxyquinoline Inhibitors of the HIV-1 Integraseâ€“Lens Epithelium-Derived Growth Factor/p75 (INâ€“LEDGF/p75) Interaction. Journal of Medicinal Chemistry, 2013, 56, 2311-2322.	6.4	55
112	The Î± Crystallin Domain of Small Heat Shock Protein b8 (Hspb8) Acts as Survival and Differentiation Factor in Adult Hippocampal Neurogenesis. Journal of Neuroscience, 2013, 33, 5785-5796.	3.6	27
113	4-Substituted 2-Hydroxyisoquinoline-1,3(2H,4H)-diones as a Novel Class of HIV-1 Integrase Inhibitors. ACS Medicinal Chemistry Letters, 2013, 4, 606-611.	2.8	52
114	Design of Cell-Permeable Stapled Peptides as HIV-1 Integrase Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 5601-5612.	6.4	44
115	Characterization of rare lens epithelium-derived growth factor/p75 genetic variants identified in HIV-1 long-term nonprogressors. Aids, 2013, 27, 539-543.	2.2	7
116	Single-Cell Imaging of HIV-1 Provirus (SCIP). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5636-5641.	7.1	56
117	Interaction of Transportin-SR2 with Ras-related Nuclear Protein (Ran) GTPase. Journal of Biological Chemistry, 2013, 288, 25603-25613.	3.4	10
118	Cellular Cofactors of HIV as Drug Targets. , 2013, , 1-7.		0
119	Role of Transportin-SR2 (Transportin-3, TRN-SR2, TNPO3) in HIV Replication. , 2013, , 1-5.		0
120	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
121	Role of LEDGF/p75 in Cell Biology and Disease Pathogenesis. , 2013, , 1-16.		0
122	Identification and Validation of HIV Cofactors. , 2013, , 1-6.		0
123	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
124	Galectin-1 in Melanoma Biology and Related Neo-Angiogenesis Processes. Journal of Investigative Dermatology, 2012, 132, 2245-2254.	0.7	64
125	The Stress Oncoprotein LEDGF/p75 Interacts with the Methyl CpG Binding Protein MeCP2 and Influences Its Transcriptional Activity. Molecular Cancer Research, 2012, 10, 378-391.	3.4	39
126	Lens Epithelium-derived Growth Factor/p75 Qualifies as a Target for HIV Gene Therapy in the NSG Mouse Model. Molecular Therapy, 2012, 20, 908-917.	8.2	16

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127	Regulator of Gâ€protein signaling 18 controls megakaryopoiesis and the ciliaâ€mediated vertebrate mechanosensory system. FASEB Journal, 2012, 26, 2125-2136.	0.5	29
128	Interaction of the HIV-1 Intasome with Transportin 3 Protein (TNPO3 or TRN-SR2). Journal of Biological Chemistry, 2012, 287, 34044-34058.	3.4	52
129	Cellular Cofactors of Lentiviral Integrase: From Target Validation to Drug Discovery. Molecular Biology International, 2012, 2012, 1-16.	1.7	26
130	A Novel Surgical Approach for Intratracheal Administration of Bioactive Agents in a Fetal Mouse Model. Journal of Visualized Experiments, 2012, , .	0.3	7
131	Quad's in it for antiretroviral therapy?. Lancet, The, 2012, 379, 2403-2405.	13.7	8
132	Design of a Novel Cyclotide-Based CXCR4 Antagonist with Anti-Human Immunodeficiency Virus (HIV)-1 Activity. Journal of Medicinal Chemistry, 2012, 55, 10729-10734.	6.4	117
133	Combinational therapies for HIV: a focus on EVG/COBI/FTC/TDF. Expert Opinion on Pharmacotherapy, 2012, 13, 1969-1983.	1.8	9
134	Quantitative evaluation of MRI-based tracking of ferritin-labeled endogenous neural stem cell progeny in rodent brain. NeuroImage, 2012, 62, 367-380.	4.2	59
135	Small-Molecule Inhibitors of the LEDGF/p75 Binding Site of Integrase Block HIV Replication and Modulate Integrase Multimerization. Antimicrobial Agents and Chemotherapy, 2012, 56, 4365-4374.	3.2	158
136	Elvitegravir: a once daily alternative to raltegravir. Lancet Infectious Diseases, The, 2012, 12, 3-5.	9.1	10
137	Nitrogen-containing polyhydroxylated aromatics as HIV-1 integrase inhibitors: synthesis, structure-activity relationship analysis, and biological activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 628-640.	5.2	3
138	Preclinical evaluation of [11C]NE40, a type 2 cannabinoid receptor PET tracer. Nuclear Medicine and Biology, 2012, 39, 389-399.	0.6	61
139	Identification of Residues in the C-terminal Domain of HIV-1 Integrase That Mediate Binding to the Transportin-SR2 Protein. Journal of Biological Chemistry, 2012, 287, 34059-34068.	3.4	26
140	HRP-2 determines HIV-1 integration site selection in LEDGF/p75 depleted cells. Retrovirology, 2012, 9, 84.	2.0	57
141	Fueling HIV-1 integrase drug design with structural insights. Drug Discovery Today: Technologies, 2012, 9, e205-e212.	4.0	6
142	Preliminary validation of varicella zoster virus thymidine kinase as a novel reporter gene for PET. Nuclear Medicine and Biology, 2012, 39, 1266-1274.	0.6	10
143	De novo design of small molecule inhibitors targeting the LEDGF/p75-HIVintegrase interaction. RSC Advances, 2012, 2, 974-984.	3.6	13
144	Pathway specific gene expression profiling reveals oxidative stress genes potentially regulated by transcription coâ€activator LEDGF/p75 in prostate cancer cells. Prostate, 2012, 72, 597-611.	2.3	22

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145	Phage Display-directed Discovery of LEDGF/p75 Binding Cyclic Peptide Inhibitors of HIV Replication. Molecular Therapy, 2012, 20, 2064-2075.	8.2	49
146	Development of an AlphaScreen-Based HIV-1 Integrase Dimerization Assay for Discovery of Novel Allosteric Inhibitors. Journal of Biomolecular Screening, 2012, 17, 618-628.	2.6	36
147	416: Amniotic fluid derived mesenchymal stem cells as delivery vehicles for therapeutic factors. American Journal of Obstetrics and Gynecology, 2012, 206, S193.	1.3	0
148	Discovery of small molecule HIV-1 integrase dimerization inhibitors. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3109-3114.	2.2	28
149	Development of a series of 3-hydroxyquinolin-2(1H)-ones as selective inhibitors of HIV-1 reverse transcriptase associated RNase H activity. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3988-3992.	2.2	37
150	A Symmetric Region of the HIV-1 Integrase Dimerization Interface Is Essential for Viral Replication. PLoS ONE, 2012, 7, e45177.	2.5	10
151	Bioluminescence imaging of therapy response does not correlate with FDG-PET response in a mouse model of Burkitt lymphoma. American Journal of Nuclear Medicine and Molecular Imaging, 2012, 2, 353-61.	1.0	6
152	Interplay between HIV Entry and Transportin-SR2 Dependency. Retrovirology, 2011, 8, 7.	2.0	51
153	In Vitro DNA Tethering of HIV-1 Integrase by the Transcriptional Coactivator LEDGF/p75. Journal of Molecular Biology, 2011, 410, 811-830.	4.2	29
154	Magnesium Chelating 2-Hydroxyisoquinoline-1,3(2H,4H)-diones, as Inhibitors of HIV-1 Integrase and/or the HIV-1 Reverse Transcriptase Ribonuclease H Domain: Discovery of a Novel Selective Inhibitor of the Ribonuclease H Function. Journal of Medicinal Chemistry, 2011, 54, 1812-1824.	6.4	113
155	Rilpivirine: a step forward in tailored HIV treatment. Lancet, The, 2011, 378, 201-203.	13.7	17
156	4-[1-(4-Fluorobenzyl)-4-hydroxy-1H-indol-3-yl]-2-hydroxy-4-oxobut-2-enoic acid as a prototype to develop dual inhibitors of HIV-1 integration process. Antiviral Research, 2011, 92, 102-107.	4.1	23
157	Unraveling the Role of Peptidyl-Prolyl Isomerases in Neurodegeneration. Molecular Neurobiology, 2011, 44, 13-27.	4.0	37
158	A Versatile and Practical Synthesis toward the Development of Novel HIVâ€1 Integrase Inhibitors. ChemMedChem, 2011, 6, 343-352.	3.2	15
159	Toward the Discovery of Novel Antiâ€HIV Drugs. Secondâ€Generation Inhibitors of the Cellular ATPase DDX3 with Improved Antiâ€HIV Activity: Synthesis, Structureâ€“Activity Relationship Analysis, Cytotoxicity Studies, and Target Validation. ChemMedChem, 2011, 6, 1371-1389.	3.2	95
160	Synthesis, in vitro and in vivo evaluation of fluorine-18 labelled FE-GW405833 as a PET tracer for type 2 cannabinoid receptor imaging. Bioorganic and Medicinal Chemistry, 2011, 19, 4499-4505.	3.0	52
161	2-Hydroxyisoquinoline-1,3(2H,4H)-diones as inhibitors of HIV-1 integrase and reverse transcriptase RNase H domain: Influence of the alkylation of position 4. European Journal of Medicinal Chemistry, 2011, 46, 535-546.	5.5	60
162	HIV-1 integrase strand-transfer inhibitors: Design, synthesis and molecular modeling investigation. European Journal of Medicinal Chemistry, 2011, 46, 756-764.	5.5	35

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163	A PET Brain Reporter Gene System Based on Type 2 Cannabinoid Receptors. Journal of Nuclear Medicine, 2011, 52, 1102-1109.	5.0	44
164	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. Journal of Cell Biology, 2011, 193, 1197-1212.	5.2	77
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