

# Zeger Debyser

## List of Publications by Year in descending order

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304  
papers

14,507  
citations

16451

64  
h-index

29157

104  
g-index

325  
all docs

325  
docs citations

325  
times ranked

12757  
citing authors

#	ARTICLE	IF	CITATIONS
1	HIV-1 Integrase Forms Stable Tetramers and Associates with LEDGF/p75 Protein in Human Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 372-381.	3.4	608
2	LEDGF/p75 Is Essential for Nuclear and Chromosomal Targeting of HIV-1 Integrase in Human Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 33528-33539.	3.4	432
3	Rational design of small-molecule inhibitors of the LEDGF/p75-integrase interaction and HIV replication. <i>Nature Chemical Biology</i> , 2010, 6, 442-448.	8.0	428
4	Rapid, Simple, and Versatile Manufacturing of Recombinant Adeno-Associated Viral Vectors at Scale. <i>Human Gene Therapy</i> , 2010, 21, 1259-1271.	2.7	283
5	Comparative Analysis of Adeno-Associated Viral Vector Serotypes 1, 2, 5, 7, And 8 in Mouse Brain. <i>Human Gene Therapy</i> , 2007, 18, 195-206.	2.7	273
6	Transportin-SR2 Imports HIV into the Nucleus. <i>Current Biology</i> , 2008, 18, 1192-1202.	3.9	231
7	Integrase Mutants Defective for Interaction with LEDGF/p75 Are Impaired in Chromosome Tethering and HIV-1 Replication*. <i>Journal of Biological Chemistry</i> , 2005, 280, 25517-25523.	3.4	212
8	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
9	The Interaction of LEDGF/p75 with Integrase Is Lentivirus-specific and Promotes DNA Binding. <i>Journal of Biological Chemistry</i> , 2005, 280, 17841-17847.	3.4	182
10	Cellular co-factors of HIV-1 integration. <i>Trends in Biochemical Sciences</i> , 2006, 31, 98-105.	7.5	180
11	Depletion of PINK1 affects mitochondrial metabolism, calcium homeostasis and energy maintenance. <i>Journal of Cell Science</i> , 2011, 124, 1115-1125.	2.0	167
12	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
13	Pharmacophore-Based Design of HIV-1 Integrase Strand-Transfer Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7084-7088.	6.4	160
14	Small-Molecule Inhibitors of the LEDGF/p75 Binding Site of Integrase Block HIV Replication and Modulate Integrase Multimerization. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4365-4374.	3.2	158
15	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
16	Investigations on the 4-Quinolone-3-carboxylic Acid Motif. 1. Synthesis and Structure-Activity Relationship of a Class of Human Immunodeficiency Virus type 1 Integrase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5125-5129.	6.4	151
17	Chicoric Acid Analogues as HIV-1 Integrase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1401-1414.	6.4	149
18	Polyanionic (i.e., Polysulfonate) Dendrimers Can Inhibit the Replication of Human Immunodeficiency Virus by Interfering with Both Virus Adsorption and Later Steps (Reverse Transcriptase/Integrase) in the Virus Replicative Cycle. <i>Molecular Pharmacology</i> , 2000, 58, 1100-1108.	2.3	149

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19	LEDGF Hybrids Efficiently Retarget Lentiviral Integration Into Heterochromatin. <i>Molecular Therapy</i> , 2010, 18, 552-560.	8.2	144
20	Upscaling of lentiviral vector production by tangential flow filtration. <i>Journal of Gene Medicine</i> , 2005, 7, 1299-1310.	2.8	143
21	Comparison of lentiviral vector titration methods. <i>BMC Biotechnology</i> , 2006, 6, 34.	3.3	130
22	Highly Efficient Multicistronic Lentiviral Vectors with Peptide 2A Sequences. <i>Human Gene Therapy</i> , 2009, 20, 845-860.	2.7	128
23	Characterization of Lentiviral Vector-Mediated Gene Transfer in Adult Mouse Brain. <i>Human Gene Therapy</i> , 2002, 13, 841-853.	2.7	127
24	LEDGINs inhibit late stage HIV-1 replication by modulating integrase multimerization in the virions. <i>Retrovirology</i> , 2013, 10, 57.	2.0	127
25	Identification of the LEDGF/p75 Binding Site in HIV-1 Integrase. <i>Journal of Molecular Biology</i> , 2007, 365, 1480-1492.	4.2	123
26	Impact of the Central Polypurine Tract on the Kinetics of Human Immunodeficiency Virus Type 1 Vector Transduction. <i>Journal of Virology</i> , 2003, 77, 4685-4694.	3.4	120
27	Human Immunodeficiency Virus Glycoprotein gp120 as the Primary Target for the Antiviral Action of AR177 (Zintevir). <i>Molecular Pharmacology</i> , 1998, 53, 340-345.	2.3	118
28	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
29	Design of a Novel Cyclotide-Based CXCR4 Antagonist with Anti-Human Immunodeficiency Virus (HIV)-1 Activity. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10729-10734.	6.4	117
30	Design, Synthesis, and Biological Evaluation of a Series of 2-Hydroxyisoquinoline-1,3(2 <i>H</i> ),4 <i>H</i> )-diones as Dual Inhibitors of Human Immunodeficiency Virus Type 1 Integrase and the Reverse Transcriptase RNase H Domain. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7717-7730.	6.4	115
31	Lentiviral Vector-Mediated Delivery of Short Hairpin RNA Results in Persistent Knockdown of Gene Expression in Mouse Brain. <i>Human Gene Therapy</i> , 2003, 14, 1799-1807.	2.7	114
32	Magnesium Chelating 2-Hydroxyisoquinoline-1,3(2 <i>H</i> ),4 <i>H</i> )-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. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1812-1824.	6.4	113
33	Viral Entry as the Primary Target for the Anti-HIV Activity of Chicoric Acid and Its Tetra-Acetyl Esters. <i>Molecular Pharmacology</i> , 2000, 58, 641-648.	2.3	109
34	Parkin Protects against Neurotoxicity in the 6-Hydroxydopamine Rat Model for Parkinson's Disease. <i>Molecular Therapy</i> , 2006, 14, 716-723.	8.2	109
35	State-of-the-Art Lentiviral Vectors for Research Use: Risk Assessment and Biosafety Recommendations. <i>Current Gene Therapy</i> , 2009, 9, 459-474.	2.0	109
36	Block-And-Lock Strategies to Cure HIV Infection. <i>Viruses</i> , 2020, 12, 84.	3.3	109

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37	Virus Evolution Reveals an Exclusive Role for LEDGF/p75 in Chromosomal Tethering of HIV. <i>PLoS Pathogens</i> , 2007, 3, e47.	4.7	104
38	Differential Effects of Progenitor Cell Populations on Left Ventricular Remodeling and Myocardial Neovascularization After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2010, 55, 2232-2243.	2.8	104
39	Neuropathology and Neurodegeneration in Rodent Brain Induced by Lentiviral Vectormediated Overexpression of $\alpha$ -Synuclein. <i>Brain Pathology</i> , 2003, 13, 364-372.	4.1	103
40	New Class of HIV Integrase Inhibitors that Block Viral Replication in Cell Culture. <i>Current Biology</i> , 2002, 12, 1169-1177.	3.9	100
41	Pharmacophore-Based Discovery of Small-Molecule Inhibitors of Protein-Protein Interactions between HIV-1 Integrase and Cellular Cofactor LEDGF/p75. <i>ChemMedChem</i> , 2009, 4, 1311-1316.	3.2	98
42	Inhibition of FK506 Binding Proteins Reduces $\alpha$ -Synuclein Aggregation and Parkinson's Disease-Like Pathology. <i>Journal of Neuroscience</i> , 2010, 30, 2454-2463.	3.6	96
43	The LEDGF/p75 integrase interaction, a novel target for anti-HIV therapy. <i>Virology</i> , 2013, 435, 102-109.	2.4	96
44	Toward the Discovery of Novel Anti-HIV Drugs. Second-Generation Inhibitors of the Cellular ATPase DDX3 with Improved Anti-HIV Activity: Synthesis, Structure-Activity Relationship Analysis, Cytotoxicity Studies, and Target Validation. <i>ChemMedChem</i> , 2011, 6, 1371-1389.	3.2	95
45	Development of Resistance against Diketo Derivatives of Human Immunodeficiency Virus Type 1 by Progressive Accumulation of Integrase Mutations. <i>Journal of Virology</i> , 2003, 77, 11459-11470.	3.4	94
46	Coordination of leading and lagging strand DNA synthesis at the replication fork of bacteriophage T7. <i>Cell</i> , 1994, 77, 157-166.	28.9	92
47	LEDGIN-mediated Inhibition of Integrase-LEDGF/p75 Interaction Reduces Reactivation of Residual Latent HIV. <i>EBioMedicine</i> , 2016, 8, 248-264.	6.1	90
48	Identification and Characterization of a Functional Nuclear Localization Signal in the HIV-1 Integrase Interactor LEDGF/p75. <i>Journal of Biological Chemistry</i> , 2004, 279, 33421-33429.	3.4	86
49	DNA-Dependent Protein Kinase Is Not Required for Efficient Lentivirus Integration. <i>Journal of Virology</i> , 2000, 74, 11278-11285.	3.4	84
50	Host factors for retroviral integration site selection. <i>Trends in Biochemical Sciences</i> , 2015, 40, 108-116.	7.5	83
51	Mode of Interaction of G-Quartets with the Integrase of Human Immunodeficiency Virus Type 1. <i>Molecular Pharmacology</i> , 1997, 52, 771-780.	2.3	82
52	Quinolone 3-Carboxylic Acid Pharmacophore: Design of Second Generation HIV-1 Integrase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1136-1144.	6.4	82
53	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
54	Concise Review: Therapeutic Strategies for Parkinson Disease Based on the Modulation of Adult Neurogenesis. <i>Stem Cells</i> , 2007, 25, 263-270.	3.2	79

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55	The remarkable conformational plasticity of alpha-synuclein: blessing or curse?. Trends in Molecular Medicine, 2013, 19, 368-377.	6.7	79
56	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. Journal of Cell Biology, 2011, 193, 1197-1212.	5.2	77
57	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. Journal of Nuclear Medicine, 2016, 57, 1436-1441.	5.0	77
58	Lentiviral Vectors Mediate Efficient and Stable Gene Transfer in Adult Neural Stem Cells <i>In Vivo</i> . Human Gene Therapy, 2006, 17, 635-650.	2.7	76
59	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
60	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
61	Nuclear Localization of Human Immunodeficiency Virus Type 1 Integrase Expressed as a Fusion Protein with Green Fluorescent Protein. Virology, 1999, 258, 327-332.	2.4	74
62	Multiple mutations in human immunodeficiency virus-1 integrase confer resistance to the clinical trial drug S-1360. Aids, 2004, 18, 2019-2028.	2.2	71
63	Establishment of latent HIV-1 reservoirs: what do we really know?. Journal of Virus Eradication, 2019, 5, 3-9.	0.5	69
64	FK506 reduces neuroinflammation and dopaminergic neurodegeneration in an alpha-synuclein-based rat model for Parkinson's disease. Neurobiology of Aging, 2015, 36, 1559-1568.	3.1	68
65	Failure to Quantify Viral Load with Two of the Three Commercial Methods in a Pregnant Woman Harboring an HIV Type 1 Subtype G Strain. AIDS Research and Human Retroviruses, 1998, 14, 453-459.	1.1	67
66	Reaction of Rosmarinic Acid with Nitrite Ions in Acidic Conditions: Discovery of Nitro- and Dinitrorosmarinic Acids as New Anti-HIV-1 Agents. Journal of Medicinal Chemistry, 2008, 51, 2575-2579.	6.4	66
67	High-resolution profiling of the LEDGF/p75 chromatin interaction in the ENCODE region. Nucleic Acids Research, 2010, 38, 6135-6147.	14.5	65
68	Galectin-1 in Melanoma Biology and Related Neo-Angiogenesis Processes. Journal of Investigative Dermatology, 2012, 132, 2245-2254.	0.7	64
69	The aggregation of alpha-synuclein is stimulated by FK506 binding proteins as shown by fluorescence correlation spectroscopy. FASEB Journal, 2006, 20, 524-526.	0.5	62
70	Exploration of novel thiobarbituric acid-, rhodanine- and thiohydantoin-based HIV-1 integrase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3615-3618.	2.2	61
71	Preclinical evaluation of [11C]NE40, a type 2 cannabinoid receptor PET tracer. Nuclear Medicine and Biology, 2012, 39, 389-399.	0.6	61
72	LEDGINS, non-catalytic site inhibitors of HIV-1 integrase: a patent review (2006 - 2014). Expert Opinion on Therapeutic Patents, 2014, 24, 609-632.	5.0	61

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73	Retroviral integration: Site matters. <i>BioEssays</i> , 2015, 37, 1202-1214.	2.5	61
74	Allele specific repair of splicing mutations in cystic fibrosis through AsCas12a genome editing. <i>Nature Communications</i> , 2019, 10, 3556.	12.8	61
75	HIV-1 integration: an interplay between HIV-1 integrase, cellular and viral proteins. <i>AIDS Reviews</i> , 2005, 7, 26-43.	1.0	61
76	Noninvasive Monitoring of Long-Term Lentiviral Vector-Mediated Gene Expression in Rodent Brain with Bioluminescence Imaging. <i>Molecular Therapy</i> , 2006, 14, 423-431.	8.2	60
77	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. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 535-546.	5.5	60
78	Small molecules targeting the interaction between HIV-1 integrase and LEDGF/p75 cofactor. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7515-7521.	3.0	59
79	Quantitative evaluation of MRI-based tracking of ferritin-labeled endogenous neural stem cell progeny in rodent brain. <i>NeuroImage</i> , 2012, 62, 367-380.	4.2	59
80	Noninvasive and Quantitative Monitoring of Adult Neuronal Stem Cell Migration in Mouse Brain Using Bioluminescence Imaging. <i>Stem Cells</i> , 2008, 26, 2382-2390.	3.2	58
81	Fetal surgery is a clinical reality. <i>Seminars in Fetal and Neonatal Medicine</i> , 2010, 15, 58-67.	2.3	57
82	HRP-2 determines HIV-1 integration site selection in LEDGF/p75 depleted cells. <i>Retrovirology</i> , 2012, 9, 84.	2.0	57
83	Formation of a DNA Loop at the Replication Fork Generated by Bacteriophage T7 Replication Proteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 5260-5270.	3.4	56
84	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
85	Single-Cell Imaging of HIV-1 Provirus (SCIP). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5636-5641.	7.1	56
86	Resistance of human immunodeficiency virus type 1 reverse transcriptase to TIBO derivatives induced by site-directed mutagenesis. <i>Virology</i> , 1992, 188, 900-904.	2.4	55
87	Fragment-Based Discovery of 8-Hydroxyquinoline Inhibitors of the HIV-1 Integrase-Lens Epithelium-Derived Growth Factor/p75 (IN-LEDGF/p75) Interaction. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2311-2322.	6.4	55
88	rAAV-CFTR <sup>res</sup> Rescues the Cystic Fibrosis Phenotype in Human Intestinal Organoids and Cystic Fibrosis Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 288-298.	5.6	55
89	Multiple cellular proteins interact with LEDGF/p75 through a conserved unstructured consensus motif. <i>Nature Communications</i> , 2015, 6, 7968.	12.8	53
90	Inhibition of Human Immunodeficiency Virus Type 1 Integration by Diketo Derivatives. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3292-3297.	3.2	52

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91	Synthesis, in vitro and in vivo evaluation of fluorine-18 labelled FE-GW405833 as a PET tracer for type 2 cannabinoid receptor imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4499-4505.	3.0	52
92	Interaction of the HIV-1 Intasome with Transportin 3 Protein (TNPO3 or TRN-SR2). <i>Journal of Biological Chemistry</i> , 2012, 287, 34044-34058.	3.4	52
93	4-Substituted 2-Hydroxyisoquinoline-1,3(2 <i>H</i> ),4 <i>H</i> )-diones as a Novel Class of HIV-1 Integrase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 606-611.	2.8	52
94	Interplay between HIV Entry and Transportin-SR2 Dependency. <i>Retrovirology</i> , 2011, 8, 7.	2.0	51
95	Inhibitory profile of a LEDGF/p75 peptide against HIV-1 integrase: Insight into integrase-DNA complex formation and catalysis. <i>FEBS Letters</i> , 2008, 582, 1425-1430.	2.8	50
96	Characterization of HIV-1 Strains Isolated from Patients Treated with TIBO R82913. <i>AIDS Research and Human Retroviruses</i> , 1994, 10, 39-46.	1.1	49
97	Mutations in Human Immunodeficiency Virus Type 1 Integrase Confer Resistance to the Naphthyridine L-870,810 and Cross-Resistance to the Clinical Trial Drug GS-9137. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2069-2078.	3.2	49
98	Phage Display-directed Discovery of LEDGF/p75 Binding Cyclic Peptide Inhibitors of HIV Replication. <i>Molecular Therapy</i> , 2012, 20, 2064-2075.	8.2	49
99	Discovery of a novel 5-carbonyl-1 <i>H</i> -imidazole-4-carboxamide class of inhibitors of the HIV-1 integrase-LEDGF/p75 interaction. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5963-5972.	3.0	48
100	PET imaging of TSPO in a rat model of local neuroinflammation induced by intracerebral injection of lipopolysaccharide. <i>Nuclear Medicine and Biology</i> , 2015, 42, 753-761.	0.6	48
101	Activity of recombinant HIV-1 integrase on mini-HIV DNA. <i>Nucleic Acids Research</i> , 1999, 27, 2202-2210.	14.5	47
102	High-level expression of active HIV-1 integrase from a synthetic gene in human cells. <i>FASEB Journal</i> , 2000, 14, 1389-1399.	0.5	46
103	Non-invasive imaging of neuropathology in a rat model of $\alpha$ -synuclein overexpression. <i>Neurobiology of Aging</i> , 2007, 28, 248-257.	3.1	45
104	Efficient 3D Database Screening for Novel HIV-1 IN Inhibitors. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 1450-1455.	2.8	44
105	A PET Brain Reporter Gene System Based on Type 2 Cannabinoid Receptors. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1102-1109.	5.0	44
106	Design of Cell-Permeable Stapled Peptides as HIV-1 Integrase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5601-5612.	6.4	44
107	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
108	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, 2019-2042.	1.6	44

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109	Synthesis and Evaluation of <sup>18</sup> F- and <sup>11</sup> C-Labeled Phenyl-Galactopyranosides as Potential Probes for <i>in Vivo</i> Visualization of LacZ Gene Expression using Positron Emission Tomography. <i>Bioconjugate Chemistry</i> , 2008, 19, 441-449.	3.6	43
110	BET-independent MLV-based Vectors Target Away From Promoters and Regulatory Elements. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e179.	5.1	43
111	Serotype-dependent transduction efficiencies of recombinant adeno-associated viral vectors in monkey neocortex. <i>Neurophotonics</i> , 2015, 2, 031209.	3.3	43
112	Lentiviral nuclear import: a complex interplay between virus and host. <i>BioEssays</i> , 2007, 29, 441-451.	2.5	42
113	The chromatin landscape at the HIV-1 provirus integration site determines viral expression. <i>Nucleic Acids Research</i> , 2020, 48, 7801-7817.	14.5	42
114	Discovery of novel non-cytotoxic salicylhydrazide containing HIV-1 integrase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6472-6475.	2.2	41
115	N-Aminoimidazole Derivatives Inhibiting Retroviral Replication via a Yet Unidentified Mode of Action. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1546-1553.	6.4	40
116	Measuring protein-protein interactions inside living cells using single color fluorescence correlation spectroscopy. Application to human immunodeficiency virus type 1 integrase and LEDGF/p75. <i>FASEB Journal</i> , 2005, 19, 1039-1041.	0.5	40
117	Docking Studies on a New Human Immunodeficiency Virus Integrase-Mg <sup>2+</sup> DNA Complex: Phenyl Ring Exploration and Synthesis of 1H-Benzylindole Derivatives through Fluorine Substitutions. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 569-573.	6.4	40
118	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
119	The Stress Oncoprotein LEDGF/p75 Interacts with the Methyl CpG Binding Protein MeCP2 and Influences Its Transcriptional Activity. <i>Molecular Cancer Research</i> , 2012, 10, 378-391.	3.4	39
120	Kuwanonin as a New Allosteric HIV-1 Integrase Inhibitor: Molecular Modeling and Biological Evaluation. <i>ChemBioChem</i> , 2015, 16, 2507-2512.	2.6	39
121	A refined pharmacophore model for HIV-1 integrase inhibitors: Optimization of potency in the 1H-benzylindole series. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2891-2895.	2.2	38
122	Establishment of latent HIV-1 reservoirs: what do we really know?. <i>Journal of Virus Eradication</i> , 2019, 5, 3-9.	0.5	38
123	Unraveling the Role of Peptidyl-Prolyl Isomerases in Neurodegeneration. <i>Molecular Neurobiology</i> , 2011, 44, 13-27.	4.0	37
124	Development of a series of 3-hydroxyquinolin-2(1H)-ones as selective inhibitors of HIV-1 reverse transcriptase associated RNase H activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3988-3992.	2.2	37
125	Comparative Analysis of Different Peptidyl-Prolyl Isomerases Reveals FK506-binding Protein 12 as the Most Potent Enhancer of $\beta$ -Synuclein Aggregation. <i>Journal of Biological Chemistry</i> , 2011, 286, 26687-26701.	3.4	36
126	Development of an AlphaScreen-Based HIV-1 Integrase Dimerization Assay for Discovery of Novel Allosteric Inhibitors. <i>Journal of Biomolecular Screening</i> , 2012, 17, 618-628.	2.6	36

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127	An integrated multi-electrode-optrode array for in vitro optogenetics. <i>Scientific Reports</i> , 2016, 6, 20353.	3.3	36
128	Assays for the Evaluation of HIV-1 Integrase Inhibitors. , 2001, 160, 139-155.		35
129	DNA-induced Polymerization of HIV-1 Integrase Analyzed with Fluorescence Fluctuation Spectroscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 38045-38052.	3.4	35
130	Simple criterion for selection of flavonoid compounds with anti-HIV activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1226-1232.	2.2	35
131	In search of small molecules blocking interactions between HIV proteins and intracellular cofactors. <i>Molecular BioSystems</i> , 2009, 5, 21-31.	2.9	35
132	Immunohistochemical detection of transgene expression in the brain using small epitope tags. <i>BMC Biotechnology</i> , 2010, 10, 16.	3.3	35
133	HIV-1 integrase strand-transfer inhibitors: Design, synthesis and molecular modeling investigation. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 756-764.	5.5	35
134	Alternative Splicing and Caspase-Mediated Cleavage Generate Antagonistic Variants of the Stress Oncoprotein LEDGF/p75. <i>Molecular Cancer Research</i> , 2008, 6, 1293-1307.	3.4	34
135	Capsid-Labelled HIV To Investigate the Role of Capsid during Nuclear Import and Integration. <i>Journal of Virology</i> , 2020, 94, .	3.4	34
136	A ubiquitous disordered protein interaction module orchestrates transcription elongation. <i>Science</i> , 2021, 374, 1113-1121.	12.6	34
137	Efficient Gene Transfer Into the Mouse Lung by Fetal Intratracheal Injection of rAAV2/6.2. <i>Molecular Therapy</i> , 2010, 18, 2130-2138.	8.2	33
138	Novel Virtual Screening Protocol Based on the Combined Use of Molecular Modeling and Electron-Ion Interaction Potential Techniques To Design HIV-1 Integrase Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 1536-1544.	5.4	32
139	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
140	LEDGF/p75 is dispensable for hematopoiesis but essential for MLL-rearranged leukemogenesis. <i>Blood</i> , 2018, 131, blood-2017-05-786962.	1.4	32
141	Identification of Novel 3-Hydroxy-pyran-4-One Derivatives as Potent HIV-1 Integrase Inhibitors Using in silico Structure-Based Combinatorial Library Design Approach. <i>Frontiers in Chemistry</i> , 2019, 7, 574.	3.6	32
142	Long-term reversal of diabetes in non-obese diabetic mice by liver-directed gene therapy. <i>Journal of Gene Medicine</i> , 2013, 15, 28-41.	2.8	30
143	In Search of Authentic Inhibitors of HIV-1 Integration. <i>Antiviral Chemistry and Chemotherapy</i> , 2002, 13, 1-15.	0.6	29
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