

Zeger Debyser

List of Publications by Year in descending order

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304
papers

14,507
citations

16450

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29154

104
g-index

325
all docs

325
docs citations

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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 α -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 α -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 ^{rescue} 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 α -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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Synthesis and Evaluation of ¹⁸ F- and ¹¹ 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 ²⁺ 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 α -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 |
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