

# Larisa Y Poluektova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1120060/publications.pdf>

Version: 2024-02-01

106  
papers

4,035  
citations

87843

38  
h-index

133188

59  
g-index

109  
all docs

109  
docs citations

109  
times ranked

4452  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Development of a macrophage-based nanoparticle platform for antiretroviral drug delivery. <i>Blood</i> , 2006, 108, 2827-2835.   | 0.6 | 241       |
| 2  | Sequential LASER ART and CRISPR Treatments Eliminate HIV-1 in a Subset of Infected Humanized Mice. <i>Nature Communications</i> , 2019, 10, 2753.                                  | 5.8 | 222       |
| 3  | Inhibition of indoleamine 2,3-dioxygenase (IDO) enhances elimination of virus-infected macrophages in an animal model of HIV-1 encephalitis. <i>Blood</i> , 2005, 106, 2382-2390.  | 0.6 | 144       |
| 4  | Human Immunodeficiency Virus Type 1 Pathobiology Studied in Humanized BALB/c-Rag2 <sup>-/-</sup> c <sup>-/-</sup> Mice. <i>Journal of Virology</i> , 2007, 81, 2700-2712.          | 1.5 | 130       |
| 5  | Long-acting nanoformulated antiretroviral therapy elicits potent antiretroviral and neuroprotective responses in HIV-1-infected humanized mice. <i>Aids</i> , 2012, 26, 2135-2144. | 1.0 | 121       |
| 6  | Neuroprotective Activities of Sodium Valproate in a Murine Model of Human Immunodeficiency Virus-1 Encephalitis. <i>Journal of Neuroscience</i> , 2003, 23, 9162-9170.             | 1.7 | 113       |
| 7  | Loss of Neuronal Integrity during Progressive HIV-1 Infection of Humanized Mice. <i>Journal of Neuroscience</i> , 2011, 31, 3148-3157.   | 1.7 | 110       |
| 8  | Creation of a long-acting nanoformulated dolutegravir. <i>Nature Communications</i> , 2018, 9, 443.  | 5.8 | 101       |
| 9  | Links between Progressive HIV-1 Infection of Humanized Mice and Viral Neuropathogenesis. <i>American Journal of Pathology</i> , 2010, 177, 2938-2949.                              | 1.9 | 94        |
| 10 | A mature macrophage is a principal HIV-1 cellular reservoir in humanized mice after treatment with long acting antiretroviral therapy. <i>Retrovirology</i> , 2017, 14, 17.        | 0.9 | 94        |
| 11 | miR-15a-5p, miR-15b-5p, and miR-16a-5p inhibit tumor progression by directly targeting MYCN in neuroblastoma. <i>Molecular Oncology</i> , 2020, 14, 180-196.                       | 2.1 | 91        |
| 12 | Tracking superparamagnetic iron oxide labeled monocytes in brain by high-field magnetic resonance imaging. <i>Journal of Neuroscience Research</i> , 2003, 73, 284-295.            | 1.3 | 87        |
| 13 | CD8+ Cell Depletion Accelerates HIV-1 Immunopathology in Humanized Mice. <i>Journal of Immunology</i> , 2010, 184, 7082-7091.  | 0.4 | 80        |
| 14 | Creation of a nanoformulated cabotegravir prodrug with improved antiretroviral profiles. <i>Biomaterials</i> , 2018, 151, 53-65.   | 5.7 | 77        |
| 15 | Neuroprotective Mechanisms of Lithium in Murine Human Immunodeficiency Virus-1 Encephalitis. <i>Journal of Neuroscience</i> , 2005, 25, 8375-8385.                                 | 1.7 | 72        |
| 16 | Generation of Cytotoxic T Cells Against Virus-Infected Human Brain Macrophages in a Murine Model of HIV-1 Encephalitis. <i>Journal of Immunology</i> , 2002, 168, 3941-3949.       | 0.4 | 69        |
| 17 | Rodent models for HIV-associated neurocognitive disorders. <i>Trends in Neurosciences</i> , 2012, 35, 197-208.   | 4.2 | 66        |
| 18 | Quantitative magnetic resonance and SPECT imaging for macrophage tissue migration and nanoformulated drug delivery. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1165-1174.     | 1.5 | 64        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Pharmacodynamic and Antiretroviral Activities of Combination Nanoformulated Antiretrovirals in HIV-1-Infected Human Peripheral Blood Lymphocyte-Reconstituted Mice. <i>Journal of Infectious Diseases</i> , 2012, 206, 1577-1588. | 1.9 | 62        |
| 20 | HIV-1 cellular and tissue replication patterns in infected humanized mice. <i>Scientific Reports</i> , 2016, 6, 23513.  | 1.6 | 59        |
| 21 | Pharmacodynamics of long-acting folic acid-receptor targeted ritonavir-boosted atazanavir nanoformulations. <i>Biomaterials</i> , 2015, 41, 141-150.  | 5.7 | 58        |
| 22 | Immune privilege and HIV-1 persistence in the CNS. <i>Immunological Reviews</i> , 2006, 213, 180-194.   | 2.8 | 57        |
| 23 | Improvements and Limitations of Humanized Mouse Models for HIV Research: NIH/NIAID "Meet the Experts" 2015 Workshop Summary. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 109-119.                                     | 0.5 | 57        |
| 24 | Human Hepatocytes and Hematolymphoid Dual Reconstitution in Treosulfan-Conditioned uPA-NOC Mice. <i>American Journal of Pathology</i> , 2014, 184, 101-109.   | 1.9 | 56        |
| 25 | Macrophage-induced inflammation affects hippocampal plasticity and neuronal development in a murine model of HIV-1 encephalitis. <i>Glia</i> , 2005, 52, 344-353.   | 2.5 | 54        |
| 26 | Human Interleukin-34 facilitates microglia-like cell differentiation and persistent HIV-1 infection in humanized mice. <i>Molecular Neurodegeneration</i> , 2019, 14, 12.   | 4.4 | 53        |
| 27 | Associations between brain microstructures, metabolites, and cognitive deficits during chronic HIV-1 infection of humanized mice. <i>Molecular Neurodegeneration</i> , 2014, 9, 58.   | 4.4 | 52        |
| 28 | Neuroregulatory Events Follow Adaptive Immune-Mediated Elimination of HIV-1-Infected Macrophages: Studies in a Murine Model of Viral Encephalitis. <i>Journal of Immunology</i> , 2004, 172, 7610-7617.                           | 0.4 | 51        |
| 29 | Cisplatin-loaded core cross-linked micelles: comparative pharmacokinetics, antitumor activity, and toxicity in mice. <i>International Journal of Nanomedicine</i> , 2012, 7, 2557.  | 3.3 | 51        |
| 30 | Nano-NRTIs demonstrate low neurotoxicity and high antiviral activity against HIV infection in the brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 177-185.  | 1.7 | 49        |
| 31 | Immunoregulation of a CB2 Receptor Agonist in a Murine Model of NeuroAIDS. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 456-468.   | 2.1 | 48        |
| 32 | Mononuclear phagocyte intercellular crosstalk facilitates transmission of cell-targeted nanoformulated antiretroviral drugs to human brain endothelial cells. <i>International Journal of Nanomedicine</i> , 2012, 7, 2373.       | 3.3 | 48        |
| 33 | CD4+ effector T cells accelerate Alzheimer's disease in mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 272.  | 3.1 | 48        |
| 34 | Neuroprotective Activities of CEP-1347 in Models of NeuroAIDS. <i>Journal of Immunology</i> , 2010, 184, 746-756.   | 0.4 | 47        |
| 35 | Nano-NRTIs: Efficient Inhibitors of HIV Type-1 in Macrophages with a Reduced Mitochondrial Toxicity. <i>Antiviral Chemistry and Chemotherapy</i> , 2010, 21, 1-14.  | 0.3 | 47        |
| 36 | Smoothed Agonist Reduces Human Immunodeficiency Virus Type-1-Induced Blood-Brain Barrier Breakdown in Humanized Mice. <i>Scientific Reports</i> , 2016, 6, 26876.   | 1.6 | 47        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Liver as a target of human immunodeficiency virus infection. <i>World Journal of Gastroenterology</i> , 2018, 24, 4728-4737.  | 1.4 | 45        |
| 38 | Human Dendritic Cells Transduced with Herpes Simplex Virus Amplicons Encoding Human Immunodeficiency Virus Type 1 (HIV-1) gp120 Elicit Adaptive Immune Responses from Human Cells Engrafted into NOD/SCID Mice and Confer Partial Protection against HIV-1 Challenge. <i>Journal of Virology</i> , 2005, 79, 2124-2132. | 1.5 | 44        |
| 39 | The regulation of alpha chemokines during HIV-1 infection and leukocyte activation: relevance for HIV-1-associated dementia. <i>Journal of Neuroimmunology</i> , 2001, 120, 112-128.  | 1.1 | 43        |
| 40 | Human immunodeficiency virus and hepatotropic viruses co-morbidities as the inducers of liver injury progression. <i>World Journal of Gastroenterology</i> , 2019, 25, 398-410.   | 1.4 | 42        |
| 41 | Acetaldehyde Disrupts Interferon Alpha Signaling in Hepatitis C Virus-Infected Liver Cells by Up-Regulating USP18. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 2329-2338.   | 1.4 | 38        |
| 42 | Advances in Neuroimaging for HIV-1 Associated Neurological Dysfunction: Clues to the Diagnosis, Pathogenesis and Therapeutic Monitoring. <i>Current HIV Research</i> , 2004, 2, 61-78.  | 0.2 | 36        |
| 43 | Copolymer-1 Induces Adaptive Immune Anti-inflammatory Glial and Neuroprotective Responses in a Murine Model of HIV-1 Encephalitis. <i>Journal of Immunology</i> , 2007, 179, 4345-4356.   | 0.4 | 36        |
| 44 | Antiviral peptide nanocomplexes as a potential therapeutic modality for HIV/HCV co-infection. <i>Biomaterials</i> , 2013, 34, 3846-3857.  | 5.7 | 31        |
| 45 | Combinatorial assessments of brain tissue metabolomics and histopathology in rodent models of human immunodeficiency virus infection. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 1224-1238.  | 2.1 | 30        |
| 46 | IL-23 in Infections, Inflammation, Autoimmunity and Cancer: Possible Role in HIV-1 and AIDS. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 95-112.  | 2.1 | 29        |
| 47 | Can Humanized Mice Reflect the Complex Pathobiology of HIV-Associated Neurocognitive Disorders?. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 352-362.   | 2.1 | 27        |
| 48 | Liver-targeted antiviral peptide nanocomplexes as potential anti-HCV therapeutics. <i>Biomaterials</i> , 2015, 70, 37-47.   | 5.7 | 27        |
| 49 | The mixed lineage kinase-3 inhibitor URMC-099 improves therapeutic outcomes for long-acting antiretroviral therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 109-122.   | 1.7 | 27        |
| 50 | Genetically modified mouse models to help fight COVID-19. <i>Nature Protocols</i> , 2020, 15, 3777-3787.  | 5.5 | 26        |
| 51 | Alcohol Metabolism Potentiates HIV-Induced Hepatotoxicity: Contribution to End-Stage Liver Disease. <i>Biomolecules</i> , 2019, 9, 851.   | 1.8 | 25        |
| 52 | Development of a platelet-activating factor antagonist for HIV-1 associated neurocognitive disorders. <i>Journal of Neuroimmunology</i> , 2009, 213, 47-59.   | 1.1 | 24        |
| 53 | Influence of age, irradiation and humanization on NSG mouse phenotypes. <i>Biology Open</i> , 2015, 4, 1243-1252.   | 0.6 | 24        |
| 54 | Role of alcohol in pathogenesis of hepatitis B virus infection. <i>World Journal of Gastroenterology</i> , 2020, 26, 883-903.   | 1.4 | 24        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Protein kinase A inhibitors reverse histamine-mediated regulation of IL-5 secretion. <i>Immunopharmacology</i> , 1998, 39, 9-19.  | 2.0 | 23        |
| 56 | Levels of human immunodeficiency virus type 1 (HIV-1) replication in macrophages determines the severity of murine HIV-1 encephalitis. <i>Journal of NeuroVirology</i> , 2004, 10, 82-90.   | 1.0 | 23        |
| 57 | Pharmacodynamics of folic acid receptor targeted antiretroviral nanotherapy in HIV-1-infected humanized mice. <i>Antiviral Research</i> , 2015, 120, 85-88.   | 1.9 | 23        |
| 58 | Involvement of protein kinase A in histamine-mediated inhibition of IL-2 mRNA expression in mouse splenocytes. <i>Immunopharmacology</i> , 1999, 41, 77-87.   | 2.0 | 22        |
| 59 | Amphiphilic Cationic Nanogels as Brain-Targeted Carriers for Activated Nucleoside Reverse Transcriptase Inhibitors. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 88-101.  | 2.1 | 22        |
| 60 | Acetaldehyde suppresses the display of HBV-MHC class I complexes on HBV-expressing hepatocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G127-G140.  | 1.6 | 21        |
| 61 | Levels of human immunodeficiency virus type 1 (HIV-1) replication in macrophages determines the severity of murine HIV-1 encephalitis. <i>Journal of NeuroVirology</i> , 2004, 10, 82-90.   | 1.0 | 20        |
| 62 | Eluted 25-hydroxyvitamin D3 from radially aligned nanofiber scaffolds enhances cathelicidin production while reducing inflammatory response in human immune system-engrafted mice. <i>Acta Biomaterialia</i> , 2019, 97, 187-199. | 4.1 | 20        |
| 63 | Immune Activations and Viral Tissue Compartmentalization During Progressive HIV-1 Infection of Humanized Mice. <i>Frontiers in Immunology</i> , 2019, 10, 340.  | 2.2 | 20        |
| 64 | Humanized Mice for Infectious and Neurodegenerative disorders. <i>Retrovirology</i> , 2021, 18, 13.   | 0.9 | 20        |
| 65 | OTK18 expression in brain mononuclear phagocytes parallels the severity of HIV-1 encephalitis. <i>Journal of Neuroimmunology</i> , 2004, 150, 186-198.  | 1.1 | 19        |
| 66 | Modulation of innate immunity by copolymerâ€1 leads to neuroprotection in murine HIVâ€1 encephalitis. <i>Glia</i> , 2008, 56, 223-232.  | 2.5 | 18        |
| 67 | Human hepatocytes depletion in the presence of HIV-1 infection in dual reconstituted humanized mice. <i>Biology Open</i> , 2018, 7, .   | 0.6 | 18        |
| 68 | Sonic Hedgehog mimetic prevents leukocyte infiltration into the CNS during acute HIV infection. <i>Scientific Reports</i> , 2017, 7, 9578.  | 1.6 | 17        |
| 69 | Systemic HIV-1 infection produces a unique glial footprint in humanized mouse brains. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1489-1502.   | 1.2 | 15        |
| 70 | Protection from the toxicity of diisopropylfluorophosphate by adeno-associated virus expressing acetylcholinesterase. <i>Toxicology and Applied Pharmacology</i> , 2006, 214, 152-165.  | 1.3 | 14        |
| 71 | Manganese-Enhanced Magnetic Resonance Imaging Reflects Brain Pathology During Progressive HIV-1 Infection of Humanized Mice. <i>Molecular Neurobiology</i> , 2016, 53, 3286-3297.   | 1.9 | 14        |
| 72 | Hepatitis C Virus-Infected Apoptotic Hepatocytes Program Macrophages and Hepatic Stellate Cells for Liver Inflammation and Fibrosis Development: Role of Ethanol as a Second Hit. <i>Biomolecules</i> , 2018, 8, 113.             | 1.8 | 14        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Improved Visualization of Neuronal Injury Following Glial Activation by Manganese Enhanced MRI. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 1027-1036.   | 2.1 | 13        |
| 74 | FAT10 suppression stabilizes oxidized proteins in liver cells: Effects of HCV and ethanol. <i>Experimental and Molecular Pathology</i> , 2015, 99, 506-516.  | 0.9 | 13        |
| 75 | Alcohol-and-HIV-Induced Lysosomal Dysfunction Regulates Extracellular Vesicles Secretion in Vitro and in Liver-Humanized Mice. <i>Biology</i> , 2021, 10, 29.  | 1.3 | 13        |
| 76 | A long-acting 3TC ProTide nanoformulation suppresses HBV replication in humanized mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102185.   | 1.7 | 12        |
| 77 | Persistent EcoHIV infection induces nigral degeneration in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-intoxicated mice. <i>Journal of NeuroVirology</i> , 2018, 24, 398-410.                                   | 1.0 | 11        |
| 78 | Neuropharmacologic Approaches to Restore the Brain's Microenvironment. <i>Journal of NeuroImmune Pharmacology</i> , 2016, 11, 484-494.   | 2.1 | 10        |
| 79 | Alcohol-Induced Lysosomal Damage and Suppression of Lysosome Biogenesis Contribute to Hepatotoxicity in HIV-Exposed Liver Cells. <i>Biomolecules</i> , 2021, 11, 1497.   | 1.8 | 10        |
| 80 | Ethanol affects hepatitis C pathogenesis: Humanized SCID Alb-uPA mouse model. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 773-776.   | 1.0 | 9         |
| 81 | Antiretroviral Drug Metabolism in Humanized PXR-CAR-CYP3A-NOG Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 272-280.   | 1.3 | 9         |
| 82 | Acetaldehyde suppresses HBV-MHC class I complex presentation on hepatocytes via induction of ER stress and Golgi fragmentation. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G432-G442. | 1.6 | 9         |
| 83 | Small Animal Models for Human Immunodeficiency Virus (HIV), Hepatitis B, and Tuberculosis: Proceedings of an NIAID Workshop. <i>Current HIV Research</i> , 2020, 18, 19-28.                                      | 0.2 | 9         |
| 84 | Human-like NSG mouse glycoproteins sialylation pattern changes the phenotype of human lymphocytes and sensitivity to HIV-1 infection. <i>BMC Immunology</i> , 2019, 20, 2.                                       | 0.9 | 8         |
| 85 | Pancreatogenic Diabetes: Triggering Effects of Alcohol and HIV. <i>Biology</i> , 2021, 10, 108.  | 1.3 | 8         |
| 86 | Amplification of Replication Competent HIV-1 by Adoptive Transfer of Human Cells From Infected Humanized Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 38.                           | 1.8 | 7         |
| 87 | Recovery of Latent HIV-1 from Brain Tissue by Adoptive Cell Transfer in Virally Suppressed Humanized Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 796-805.                                       | 2.1 | 7         |
| 88 | Small molecule ONC201 inhibits HIV-1 replication in macrophages via FOXO3a and TRAIL. <i>Antiviral Research</i> , 2019, 168, 134-145.  | 1.9 | 5         |
| 89 | HIV-1-Associated Left Ventricular Cardiac Dysfunction in Humanized Mice. <i>Scientific Reports</i> , 2020, 10, 9746.   | 1.6 | 5         |
| 90 | Deficient synthesis of class-switched, HIV-neutralizing antibodies to the CD4 binding site and correction by electrophilic gp120 immunogen. <i>Aids</i> , 2014, 28, 2201-2211.                                   | 1.0 | 4         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Establishment of the Dual Humanized TK-NOG Mouse Model for HIV-associated Liver Pathogenesis. <i>Journal of Visualized Experiments</i> , 2019, , .  | 0.2 | 4         |
| 92  | Obeticholic acid attenuates human immunodeficiency virus/alcohol metabolism-induced pro-fibrotic activation in liver cells. <i>World Journal of Hepatology</i> , 2020, 12, 965-975.         | 0.8 | 4         |
| 93  | Ethanol attenuates presentation of cytotoxic T lymphocyte epitopes on hepatocytes of HBV-infected humanized mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 40-51.  | 1.4 | 4         |
| 94  | Alcohol basic and translational research 15th Charles Lieber - 1st Samuel French satellite symposium. <i>Experimental and Molecular Pathology</i> , 2022, , 104750.                         | 0.9 | 4         |
| 95  | Alcohol and HIV-Derived Hepatocyte Apoptotic Bodies Induce Hepatic Stellate Cell Activation. <i>Biology</i> , 2022, 11, 1059.   | 1.3 | 4         |
| 96  | Levels of human immunodeficiency virus type 1 (HIV-1) replication in macrophages determines the severity of murine HIV-1 encephalitis. <i>Journal of NeuroVirology</i> , 2004, 10, 82-90.   | 1.0 | 3         |
| 97  | Immunostimulating properties of the complexes of inosine derivatives. <i>International Journal of Immunopharmacology</i> , 1995, 17, 941-947.   | 1.1 | 2         |
| 98  | In vitro lymphotoxicity and selective t cell immunotoxicity of high doses of acyclovir and its derivatives in mice. <i>International Journal of Immunopharmacology</i> , 1996, 18, 429-438. | 1.1 | 2         |
| 99  | Brain HIV-1 Infection Modeling in Humanized Mice. , 2014, , 305-312.  |     | 2         |
| 100 | Simple and reliable genotyping protocol for mouse PrkdcSCID mutation. <i>Journal of Immunological Methods</i> , 2016, 431, 60-62.   | 0.6 | 1         |
| 101 | Murine Models for NeuroAIDS. , 2011, , 414-430.   |     | 1         |
| 102 | Immunoregulatory effects of N9-benzyl- and N7-benzyl-8-bromoguanines. <i>International Journal of Immunopharmacology</i> , 1999, 21, 777-792.   | 1.1 | 0         |
| 103 | Human Lymphocyte Biology and Its Application to Humanized Mice. , 2017, , 201-216.  |     | 0         |
| 104 | Adaptive Immunity. , 2011, , 131-145.   |     | 0         |
| 105 | Humanized Mice. <i>Springer Protocols</i> , 2014, , 483-495.  | 0.1 | 0         |
| 106 | Lymphocytes and the Nervous System. , 2008, , 135-149.  |     | 0         |