

Benjamin B Gelman

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

7,247
citations

87888

38
h-index

60623

81
g-index

111
all docs

111
docs citations

111
times ranked

5685
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A neuron-to-astrocyte Wnt5a signal governs astrogliosis during HIV-associated pain pathogenesis. <i>Brain</i> , 2022, 145, 4108-4123. | 7.6 | 12 |
| 2 | Higher buccal mitochondrial DNA and mitochondrial common deletion number are associated with markers of neurodegeneration and inflammation in cerebrospinal fluid. <i>Journal of NeuroVirology</i> , 2022, 28, 281-290. | 2.1 | 3 |
| 3 | Acrolein and other toxicant exposures in relation to cardiovascular disease among marijuana and tobacco smokers in a longitudinal cohort of HIV-positive and negative adults. <i>EClinicalMedicine</i> , 2021, 31, 100697. | 7.1 | 8 |
| 4 | Paresthesia Predicts Increased Risk of Distal Neuropathic Pain in Older People with HIV-Associated Sensory Polyneuropathy. <i>Pain Medicine</i> , 2021, 22, 1850-1856. | 1.9 | 3 |
| 5 | Novel Role for Macrophage Galactose-Type Lectin-1 to Regulate Innate Immunity against <i>Mycobacterium tuberculosis</i> . <i>Journal of Immunology</i> , 2021, 207, 221-233. | 0.8 | 8 |
| 6 | Advancing our understanding of HIV co-infections and neurological disease using the humanized mouse. <i>Retrovirology</i> , 2021, 18, 14. | 2.0 | 8 |
| 7 | Multimorbidity networks associated with frailty among middle-aged and older people with HIV. <i>Aids</i> , 2021, 35, 2451-2461. | 2.2 | 14 |
| 8 | Predictors of Transition to Frailty in Middle-Aged and Older People With HIV: A Prospective Cohort Study. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2021, 88, 518-527. | 2.1 | 7 |
| 9 | Lentiviral Infections Persist in Brain despite Effective Antiretroviral Therapy and Neuroimmune Activation. <i>MBio</i> , 2021, 12, e0278421. | 4.1 | 19 |
| 10 | Use of Neuroimaging to Inform Optimal Neurocognitive Criteria for Detecting HIV-Associated Brain Abnormalities. <i>Journal of the International Neuropsychological Society</i> , 2020, 26, 147-162. | 1.8 | 15 |
| 11 | Characteristics of Motor Dysfunction in Longstanding Human Immunodeficiency Virus. <i>Clinical Infectious Diseases</i> , 2020, 71, 1532-1538. | 5.8 | 14 |
| 12 | White Matter Abnormalities Linked to Interferon, Stress Response, and Energy Metabolism Gene Expression Changes in Older HIV-Positive Patients on Antiretroviral Therapy. <i>Molecular Neurobiology</i> , 2020, 57, 1115-1130. | 4.0 | 19 |
| 13 | Neuroinflammation associates with antioxidant heme oxygenase-1 response throughout the brain in persons living with HIV. <i>Journal of NeuroVirology</i> , 2020, 26, 846-862. | 2.1 | 6 |
| 14 | Detection of misfolded protein aggregated in HIV-infected people. <i>Alzheimer's and Dementia</i> , 2020, 16, e044336. | 0.8 | 0 |
| 15 | Heme oxygenase-1 promoter (GT) polymorphism associates with HIV neurocognitive impairment. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020, 7, . | 6.0 | 14 |
| 16 | Epigenetic Suppression of HIV in Myeloid Cells by the BRD4-Selective Small Molecule Modulator ZL0580. <i>Journal of Virology</i> , 2020, 94, . | 3.4 | 20 |
| 17 | Lipocalin-2 mediates HIV-1 induced neuronal injury and behavioral deficits by overriding CCR5-dependent protection. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 184-199. | 4.1 | 19 |
| 18 | Small Animal Model of Post-chemotherapy Tuberculosis Relapse in the Setting of HIV Co-infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 150. | 3.9 | 12 |

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|----|---|------|-----------|
| 19 | Correlates of HIV RNA concentrations in cerebrospinal fluid during antiretroviral therapy: a longitudinal cohort study. <i>Lancet HIV</i> , 2019, 6, e456-e462. | 4.7 | 15 |
| 20 | HIV-induced neuroinflammation: impact of PAR1 and PAR2 processing by Furin. <i>Cell Death and Differentiation</i> , 2019, 26, 1942-1954. | 11.2 | 11 |
| 21 | Neurocognitive SuperAging in Older Adults Living With HIV: Demographic, Neuromedical and Everyday Functioning Correlates. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 507-519. | 1.8 | 28 |
| 22 | Frailty in medically complex individuals with chronic HIV. <i>Aids</i> , 2019, 33, 1603-1611. | 2.2 | 20 |
| 23 | BACE1 Mediates HIV-Associated and Excitotoxic Neuronal Damage Through an APP-Dependent Mechanism. <i>Journal of Neuroscience</i> , 2018, 38, 4288-4300. | 3.6 | 31 |
| 24 | When do models of NeuroAIDS faithfully imitate "the real thing"? <i>Journal of NeuroVirology</i> , 2018, 24, 146-155. | 2.1 | 11 |
| 25 | Differences in Neurocognitive Impairment Among HIV-Infected Latinos in the United States. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 163-175. | 1.8 | 29 |
| 26 | Heme oxygenase-1 promoter region (GT) _n polymorphism associates with increased neuroimmune activation and risk for encephalitis in HIV infection. <i>Journal of Neuroinflammation</i> , 2018, 15, 70. | 7.2 | 33 |
| 27 | Genome-wide association study of HIV-associated neurocognitive disorder (HAND): A CHARTER group study. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2017, 174, 413-426. | 1.7 | 26 |
| 28 | Measures of Physical and Mental Independence Among HIV-Positive Individuals: Impact of Substance Use Disorder. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 1048-1055. | 1.1 | 2 |
| 29 | Modeling brain lentiviral infections during antiretroviral therapy in AIDS. <i>Journal of NeuroVirology</i> , 2017, 23, 577-586. | 2.1 | 7 |
| 30 | Degradation of heme oxygenase-1 by the immunoproteasome in astrocytes: A potential interferon- γ -dependent mechanism contributing to HIV neuropathogenesis. <i>Glia</i> , 2017, 65, 1264-1277. | 4.9 | 23 |
| 31 | HIV Protease Inhibitors Alter Amyloid Precursor Protein Processing via β -Site Amyloid Precursor Protein Cleaving Enzyme-1 Translational Up-Regulation. <i>American Journal of Pathology</i> , 2017, 187, 91-109. | 3.8 | 29 |
| 32 | Friedreich Ataxia: Developmental Failure of the Dorsal Root Entry Zone. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 969-977. | 1.7 | 43 |
| 33 | Heart and Nervous System Pathology in Compound Heterozygous Friedreich Ataxia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 665-675. | 1.7 | 8 |
| 34 | Cerebrospinal fluid cell-free mitochondrial DNA is associated with HIV replication, iron transport, and mild HIV-associated neurocognitive impairment. <i>Journal of Neuroinflammation</i> , 2017, 14, 72. | 7.2 | 30 |
| 35 | Prevalence and Correlates of Persistent HIV-1 RNA in Cerebrospinal Fluid During Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2017, 215, 105-113. | 4.0 | 67 |
| 36 | MicroRNAs upregulated during HIV infection target peroxisome biogenesis factors: Implications for virus biology, disease mechanisms and neuropathology. <i>PLoS Pathogens</i> , 2017, 13, e1006360. | 4.7 | 65 |

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|----|---|-----|-----------|
| 37 | Spinal Cord Ventral Horns and Lymphoid Organ Involvement in Powassan Virus Infection in a Mouse Model. <i>Viruses</i> , 2016, 8, 220. | 3.3 | 31 |
| 38 | Pulmonary Tuberculosis in Humanized Mice Infected with HIV-1. <i>Scientific Reports</i> , 2016, 6, 21522. | 3.3 | 62 |
| 39 | Apolipoprotein E ϵ 4 genotype status is not associated with neuroimaging outcomes in a large cohort of HIV+ individuals. <i>Journal of NeuroVirology</i> , 2016, 22, 607-614. | 2.1 | 13 |
| 40 | The significance of intercalated discs in the pathogenesis of Friedreich cardiomyopathy. <i>Journal of the Neurological Sciences</i> , 2016, 367, 171-176. | 0.6 | 5 |
| 41 | Multilevel analysis of neuropathogenesis of neurocognitive impairment in HIV. <i>Journal of NeuroVirology</i> , 2016, 22, 431-441. | 2.1 | 61 |
| 42 | Persistent CSF but not plasma HIV RNA is associated with increased risk of new-onset moderate-to-severe depressive symptoms; a prospective cohort study. <i>Journal of NeuroVirology</i> , 2016, 22, 479-487. | 2.1 | 26 |
| 43 | Anemia and Red Blood Cell Indices Predict HIV-Associated Neurocognitive Impairment in the Highly Active Antiretroviral Therapy Era. <i>Journal of Infectious Diseases</i> , 2016, 213, 1065-1073. | 4.0 | 31 |
| 44 | Long-term efavirenz use is associated with worse neurocognitive functioning in HIV-infected patients. <i>Journal of NeuroVirology</i> , 2016, 22, 170-178. | 2.1 | 112 |
| 45 | Lower CSF A β is Associated with HAND in HIV-Infected Adults with a Family History of Dementia. <i>Current HIV Research</i> , 2016, 14, 324-330. | 0.5 | 4 |
| 46 | The role of chemokine C-C motif ligand 2 genotype and cerebrospinal fluid chemokine C-C motif ligand 2 in neurocognition among HIV-infected patients. <i>Aids</i> , 2015, 29, 1483-1491. | 2.2 | 32 |
| 47 | Primary Langerhans cell histiocytosis of the lacrimal gland in an adult. <i>Canadian Journal of Ophthalmology</i> , 2015, 50, e40-e43. | 0.7 | 3 |
| 48 | Altered Oligodendrocyte Maturation and Myelin Maintenance: The Role of Antiretrovirals in HIV-Associated Neurocognitive Disorders. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 1093-1118. | 1.7 | 46 |
| 49 | Mitochondrial DNA Haplogroups and Neurocognitive Impairment During HIV Infection. <i>Clinical Infectious Diseases</i> , 2015, 61, 1476-1484. | 5.8 | 27 |
| 50 | Reply to Haddow, et al.. <i>Clinical Infectious Diseases</i> , 2015, 60, 1442-3. | 5.8 | 0 |
| 51 | Neuropathology of HAND With Suppressive Antiretroviral Therapy: Encephalitis and Neurodegeneration Reconsidered. <i>Current HIV/AIDS Reports</i> , 2015, 12, 272-279. | 3.1 | 130 |
| 52 | Absence of neurocognitive effect of hepatitis C infection in HIV-coinfected people. <i>Neurology</i> , 2015, 84, 241-250. | 1.1 | 40 |
| 53 | CSF biomarkers of monocyte activation and chemotaxis correlate with magnetic resonance spectroscopy metabolites during chronic HIV disease. <i>Journal of NeuroVirology</i> , 2015, 21, 559-567. | 2.1 | 36 |
| 54 | Neurocognitive Change in the Era of HIV Combination Antiretroviral Therapy: The Longitudinal CHARTER Study. <i>Clinical Infectious Diseases</i> , 2015, 60, 473-480. | 5.8 | 326 |

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|----|--|-----|-----------|
| 55 | Genetic Variation in Iron Metabolism Is Associated with Neuropathic Pain and Pain Severity in HIV-Infected Patients on Antiretroviral Therapy. <i>PLoS ONE</i> , 2014, 9, e103123. | 2.5 | 29 |
| 56 | Astrocyte Elevated Gene-1 Is a Novel Modulator of HIV-1-associated Neuroinflammation via Regulation of Nuclear Factor- κ B Signaling and Excitatory Amino Acid Transporter-2 Repression. <i>Journal of Biological Chemistry</i> , 2014, 289, 19599-19612. | 3.4 | 43 |
| 57 | The Cerebrospinal Fluid HIV Risk Score for Assessing Central Nervous System Activity in Persons With HIV. <i>American Journal of Epidemiology</i> , 2014, 180, 297-307. | 3.4 | 35 |
| 58 | Asymptomatic HIV-associated neurocognitive impairment increases risk for symptomatic decline. <i>Neurology</i> , 2014, 82, 2055-2062. | 1.1 | 255 |
| 59 | Quantitative neuropathology associated with chronic manganese exposure in South African mine workers. <i>NeuroToxicology</i> , 2014, 45, 260-266. | 3.0 | 38 |
| 60 | HIV-associated distal neuropathic pain is associated with smaller total cerebral cortical gray matter. <i>Journal of NeuroVirology</i> , 2014, 20, 209-218. | 2.1 | 27 |
| 61 | Gp120 in the pathogenesis of human immunodeficiency virus-associated pain. <i>Annals of Neurology</i> , 2014, 75, 837-850. | 5.3 | 76 |
| 62 | Characterizing HIV Medication Adherence for Virologic Success Among Individuals Living With HIV/AIDS: Experience With the CNS HIV Antiretroviral Therapy Effects Research (CHARTER) Cohort. <i>Journal of HIV/AIDS and Social Services</i> , 2014, 13, 8-25. | 0.7 | 6 |
| 63 | Potential Roles of Microglial Cell Progranulin in HIV-Associated CNS Pathologies and Neurocognitive Impairment. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 117-132. | 4.1 | 11 |
| 64 | Heme oxygenase-1 deficiency accompanies neuropathogenesis of HIV-associated neurocognitive disorders. <i>Journal of Clinical Investigation</i> , 2014, 124, 4459-4472. | 8.2 | 62 |
| 65 | Increases in brain white matter abnormalities and subcortical gray matter are linked to CD4 recovery in HIV infection. <i>Journal of NeuroVirology</i> , 2013, 19, 393-401. | 2.1 | 38 |
| 66 | Wnt Signaling in the Pathogenesis of Human HIV-Associated Pain Syndromes. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 956-964. | 4.1 | 34 |
| 67 | Darunavir is predominantly unbound to protein in cerebrospinal fluid and concentrations exceed the wild-type HIV-1 median 90% inhibitory concentration. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 684-689. | 3.0 | 34 |
| 68 | Neurovirological Correlation With HIV-Associated Neurocognitive Disorders and Encephalitis in a HAART-Era Cohort. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013, 62, 487-495. | 2.1 | 111 |
| 69 | Concurrent Classification Accuracy of the HIV Dementia Scale for HIV-Associated Neurocognitive Disorders in the CHARTER Cohort. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013, 62, 36-42. | 2.1 | 24 |
| 70 | Apolipoprotein-E genotype and human immunodeficiency virus-associated neurocognitive disorder: the modulating effects of older age and disease severity. <i>Neurobehavioral HIV Medicine</i> , 2013, 5, 11. | 2.0 | 25 |
| 71 | Chronic-Pain-Associated Astrocytic Reaction in the Spinal Cord Dorsal Horn of Human Immunodeficiency Virus-Infected Patients. <i>Journal of Neuroscience</i> , 2012, 32, 10833-10840. | 3.6 | 152 |
| 72 | Therapeutic Amprenavir Concentrations in Cerebrospinal Fluid. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1985-1989. | 3.2 | 14 |

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|----|---|-----|-----------|
| 73 | Low Cerebrospinal Fluid Concentrations of the Nucleotide HIV Reverse Transcriptase Inhibitor, Tenofovir. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2012, 59, 376-381. | 2.1 | 72 |
| 74 | Cerebral β -amyloid deposition predicts HIV-associated neurocognitive disorders in APOE ϵ 4 carriers. <i>Aids</i> , 2012, 26, 2327-2335. | 2.2 | 95 |
| 75 | Higher HIV-1 genetic diversity is associated with AIDS and neuropsychological impairment. <i>Virology</i> , 2012, 433, 498-505. | 2.4 | 11 |
| 76 | Mitochondrial DNA variation and HIV-associated sensory neuropathy in CHARTER. <i>Journal of NeuroVirology</i> , 2012, 18, 511-520. | 2.1 | 24 |
| 77 | Prefrontal Dopaminergic and Enkephalinergic Synaptic Accommodation in HIV-associated Neurocognitive Disorders and Encephalitis. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 686-700. | 4.1 | 78 |
| 78 | Substance abuse increases the risk of neuropathy in an HIV-infected cohort. <i>Muscle and Nerve</i> , 2012, 45, 471-476. | 2.2 | 34 |
| 79 | Genetic features of cerebrospinal fluid-derived subtype B HIV-1 tat. <i>Journal of NeuroVirology</i> , 2012, 18, 81-90. | 2.1 | 15 |
| 80 | The National NeuroAIDS Tissue Consortium Brain Gene Array: Two Types of HIV-Associated Neurocognitive Impairment. <i>PLoS ONE</i> , 2012, 7, e46178. | 2.5 | 150 |
| 81 | Family History of Dementia Predicts Worse Neuropsychological Functioning Among HIV-Infected Persons. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2011, 23, 316-323. | 1.8 | 10 |
| 82 | HIV-associated neurocognitive disorders before and during the era of combination antiretroviral therapy: differences in rates, nature, and predictors. <i>Journal of NeuroVirology</i> , 2011, 17, 3-16. | 2.1 | 1,327 |
| 83 | Clinical factors related to brain structure in HIV: the CHARTER study. <i>Journal of NeuroVirology</i> , 2011, 17, 248-57. | 2.1 | 158 |
| 84 | Efavirenz concentrations in CSF exceed IC50 for wild-type HIV. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 354-357. | 3.0 | 82 |
| 85 | Pathology and pathogenesis of sensory neuropathy in Friedreich's ataxia. <i>Acta Neuropathologica</i> , 2010, 120, 97-108. | 7.7 | 72 |
| 86 | Synaptic Proteins Linked to HIV-1 Infection and Immunoproteasome Induction: Proteomic Analysis of Human Synaptosomes. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 92-102. | 4.1 | 55 |
| 87 | Continued High Prevalence and Adverse Clinical Impact of Human Immunodeficiency Virus-Associated Sensory Neuropathy in the Era of Combination Antiretroviral Therapy. <i>Archives of Neurology</i> , 2010, 67, 552. | 4.5 | 347 |
| 88 | Persistent Hijacking of Brain Proteasomes in HIV-Associated Dementia. <i>American Journal of Pathology</i> , 2010, 176, 893-902. | 3.8 | 49 |
| 89 | Low atazanavir concentrations in cerebrospinal fluid. <i>Aids</i> , 2009, 23, 83-87. | 2.2 | 112 |
| 90 | Human immunodeficiency virus protease inhibitors and risk for peripheral neuropathy. <i>Annals of Neurology</i> , 2008, 64, 566-572. | 5.3 | 147 |

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|-----|---|-----|-----------|
| 91 | Validation of the CNS Penetration-Effectiveness Rank for Quantifying Antiretroviral Penetration Into the Central Nervous System. Archives of Neurology, 2008, 65, 65. | 4.5 | 777 |
| 92 | The neuropathology of HIV. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2007, 85, 301-317. | 1.8 | 7 |
| 93 | Abnormal Striatal Dopaminergic Synapses in National NeuroAIDS Tissue Consortium Subjects with HIV Encephalitis. Journal of NeuroImmune Pharmacology, 2006, 1, 410-420. | 4.1 | 64 |
| 94 | Potential Role for White Matter Lysosome Expansion in HIV-Associated Dementia. Journal of Acquired Immune Deficiency Syndromes (1999), 2005, 39, 422-425. | 2.1 | 35 |
| 95 | Host genetic polymorphisms in human immunodeficiency virus-related neurologic disease. Journal of NeuroVirology, 2004, 10, 67-73. | 2.1 | 26 |
| 96 | Interrater Reliability of Clinical Ratings and Neurocognitive Diagnoses in HIV. Journal of Clinical and Experimental Neuropsychology, 2004, 26, 759-778. | 1.3 | 284 |
| 97 | Acquired neuronal channelopathies in HIV-associated dementia. Journal of Neuroimmunology, 2004, 157, 111-119. | 2.3 | 58 |
| 98 | Brain aging in acquired immunodeficiency syndrome: Increased ubiquitin-protein conjugate is correlated with decreased synaptic protein but not amyloid plaque accumulation. Journal of NeuroVirology, 2004, 10, 98-108. | 2.1 | 62 |
| 99 | Human Microglial Cell Isolation from Adult Autopsy Brain: Brain pH, Regional Variation, and Infection with Human Immunodeficiency Virus Type 1. Journal of NeuroVirology, 2003, 9, 346-357. | 2.1 | 20 |
| 100 | Neuropathological and Ultrastructural Features of Amebic Encephalitis Caused by <i>Sappinia diploidea</i> . Journal of Neuropathology and Experimental Neurology, 2003, 62, 990-998. | 1.7 | 51 |
| 101 | Amoebic Encephalitis Due to <i>Sappinia diploidea</i> . JAMA - Journal of the American Medical Association, 2001, 285, 2450. | 7.4 | 93 |
| 102 | Oncocytoma in Melanocytoma of the Spinal Cord: Case Report. Neurosurgery, 2000, 47, 756-759. | 1.1 | 16 |
| 103 | Incarceration and the acquired immunodeficiency syndrome: Autopsy results in Texas prison inmates. Human Pathology, 1996, 27, 1282-1287. | 2.0 | 4 |
| 104 | Quantifying Apoptosis in Banked Human Brains Using Flow Cytometry. Journal of Neuropathology and Experimental Neurology, 1996, 55, 1164-1172. | 1.7 | 11 |
| 105 | Increased vulnerability to demyelination in streptozotocin diabetic rats. , 1996, 373, 55-61. | | 15 |
| 106 | Diffuse microgliosis associated with cerebral atrophy in the acquired immunodeficiency syndrome. Annals of Neurology, 1993, 34, 65-70. | 5.3 | 65 |
| 107 | Morphometry, histopathology, and tomography of cerebral atrophy in the acquired immunodeficiency syndrome. Annals of Neurology, 1992, 32, 31-40. | 5.3 | 54 |
| 108 | Macrophage Apolipoprotein Synthesis and Endoneurial Distribution as a Response to Segmental Demyelination. Journal of Neuropathology and Experimental Neurology, 1991, 50, 383-407. | 1.7 | 23 |

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|-----|---|-----|-----------|
| 109 | Brain lipofuscin concentration and oxidant defense enzymes in lead-poisoned neonatal rats. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1979, 5, 683-698. | 2.3 | 12 |
| 110 | Neonatal lead toxicity and in vitro lipid peroxidation of rat brain. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1979, 5, 671-682. | 2.3 | 14 |
| 111 | The effect of lead on oxidative hemolysis and erythrocyte defense mechanisms in the rat. Toxicology and Applied Pharmacology, 1978, 45, 119-129. | 2.8 | 40 |