

Yuri Persidsky

List of Publications by Year in descending order

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110
papers

8,977
citations

31976

53
h-index

42399

92
g-index

113
all docs

113
docs citations

113
times ranked

9894
citing authors

#	ARTICLE	IF	CITATIONS
1	Bloodâ€‘brain Barrier: Structural Components and Function Under Physiologic and Pathologic Conditions. <i>Journal of NeuroImmune Pharmacology</i> , 2006, 1, 223-236.	4.1	714
2	Intracellular CXCR4 signaling, neuronal apoptosis and neuropathogenic mechanisms of HIV-1-associated dementia. <i>Journal of Neuroimmunology</i> , 1999, 98, 185-200.	2.3	299
3	Oxidative stress activates protein tyrosine kinase and matrix metalloproteinases leading to blood?brain barrier dysfunction. <i>Journal of Neurochemistry</i> , 2007, 101, 566-576.	3.9	295
4	Mechanism of alcohol-induced oxidative stress and neuronal injury. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1542-1550.	2.9	285
5	Microglial and Astrocyte Chemokines Regulate Monocyte Migration through the Blood-Brain Barrier in Human Immunodeficiency Virus-1 Encephalitis. <i>American Journal of Pathology</i> , 1999, 155, 1599-1611.	3.8	266
6	Matrix Metalloproteinase-2 Production and Its Binding to the Matrix Are Increased in Abdominal Aortic Aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 1625-1633.	2.4	231
7	Phosphorylation of Claudin-5 and Occludin by Rho Kinase in Brain Endothelial Cells. <i>American Journal of Pathology</i> , 2008, 172, 521-533.	3.8	204
8	HIV-1 gp120 Compromises Bloodâ€‘Brain Barrier Integrity and Enhance Monocyte Migration across Bloodâ€‘Brain Barrier: Implication for Viral Neuropathogenesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 123-134.	4.3	202
9	Activation of Cannabinoid Receptor 2 Attenuates Leukocyteâ€‘Endothelial Cell Interactions and Bloodâ€‘Brain Barrier Dysfunction under Inflammatory Conditions. <i>Journal of Neuroscience</i> , 2012, 32, 4004-4016.	3.6	202
10	Rho-mediated regulation of tight junctions during monocyte migration across the blood-brain barrier in HIV-1 encephalitis (HIVE). <i>Blood</i> , 2006, 107, 4770-4780.	1.4	191
11	Cannabinoid Receptor 2: Potential Role in Immunomodulation and Neuroinflammation. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 608-620.	4.1	191
12	Hyperglycemia-Driven Neuroinflammation Compromises BBB Leading to Memory Loss in Both Diabetes Mellitus (DM) Type 1 and Type 2 Mouse Models. <i>Molecular Neurobiology</i> , 2019, 56, 1883-1896.	4.0	186
13	Establishment of primary cultures of human brain microvascular endothelial cells to provide an in vitro cellular model of the blood-brain barrier. <i>Nature Protocols</i> , 2010, 5, 1265-1272.	12.0	177
14	Methamphetamine Disrupts Bloodâ€‘Brain Barrier Function by Induction of Oxidative Stress in Brain Endothelial Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1933-1945.	4.3	175
15	Suppression of Inflammatory Neurotoxins by Highly Active Antiretroviral Therapy in Human Immunodeficiency Virusâ€‘Associated Dementia. <i>Journal of Infectious Diseases</i> , 1998, 178, 1000-1007.	4.0	169
16	Blocking TNF-Î± Attenuates Aneurysm Formation in a Murine Model. <i>Journal of Immunology</i> , 2009, 183, 2741-2746.	0.8	157
17	Mononuclear phagocyte immunity and the neuropathogenesis of HIV-1 infection. <i>Journal of Leukocyte Biology</i> , 2003, 74, 691-701.	3.3	152
18	Ethanol-Induced Activation of Myosin Light Chain Kinase Leads to Dysfunction of Tight Junctions and Blood-Brain Barrier Compromise. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 999-1009.	2.4	146

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19	Role of the β^2 -Chemokine Receptors CCR3 and CCR5 in Human Immunodeficiency Virus Type 1 Infection of Monocytes and Microglia. <i>Journal of Virology</i> , 1998, 72, 3351-3361.	3.4	146
20	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.	1.4	144
21	STAT1 signaling modulates HIV-1-induced inflammatory responses and leukocyte transmigration across the blood-brain barrier. <i>Blood</i> , 2008, 111, 2062-2072.	1.4	130
22	An analysis of HIV-1-associated inflammatory products in brain tissue of humans and SCID mice with HIV-1 encephalitis. <i>Journal of NeuroVirology</i> , 1997, 3, 401-416.	2.1	121
23	PARP inhibition protects against alcoholic and non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2017, 66, 589-600.	3.7	116
24	HIV-1 infection and alcohol abuse: Neurocognitive impairment, mechanisms of neurodegeneration and therapeutic interventions. <i>Brain, Behavior, and Immunity</i> , 2011, 25, S61-S70.	4.1	111
25	Emerging Roles of Pericytes in the Regulation of the Neurovascular Unit in Health and Disease. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 591-605.	4.1	110
26	Alcohol-induced blood-brain barrier dysfunction is mediated via inositol 1,4,5-triphosphate receptor (IP3R)-gated intracellular calcium release. <i>Journal of Neurochemistry</i> , 2007, 100, 324-336.	3.9	105
27	miR-98 and let-7g* Protect the Blood-Brain Barrier Under Neuroinflammatory Conditions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1957-1965.	4.3	103
28	Blood Brain Barrier Injury in Diabetes: Unrecognized Effects on Brain and Cognition. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 593-601.	4.1	103
29	Activation of Peroxisome Proliferator-Activated Receptor β^3 (PPAR β^3) Suppresses Rho GTPases in Human Brain Microvascular Endothelial Cells and Inhibits Adhesion and Transendothelial Migration of HIV-1 Infected Monocytes. <i>Journal of Immunology</i> , 2008, 180, 1854-1865.	0.8	98
30	Selective targeting of nanomedicine to inflamed cerebral vasculature to enhance the blood-brain barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3405-3414.	7.1	97
31	Activation of protein tyrosine kinases and matrix metalloproteinases causes blood-brain barrier injury: Novel mechanism for neurodegeneration associated with alcohol abuse. <i>Glia</i> , 2008, 56, 78-88.	4.9	96
32	Methamphetamine Causes Mitochondrial Oxidative Damage in Human T Lymphocytes Leading to Functional Impairment. <i>Journal of Immunology</i> , 2010, 185, 2867-2876.	0.8	94
33	Human Immunodeficiency Virus Neurotropism: an Analysis of Viral Replication and Cytopathicity for Divergent Strains in Monocytes and Microglia. <i>Journal of Virology</i> , 1998, 72, 3340-3350.	3.4	94
34	Regulation of tissue inhibitor of metalloproteinase-1 by astrocytes: Links to HIV-1 dementia. <i>Glia</i> , 2003, 44, 47-56.	4.9	93
35	Inhibition of Glycogen Synthase Kinase β^2 Promotes Tight Junction Stability in Brain Endothelial Cells by Half-Life Extension of Occludin and Claudin-5. <i>PLoS ONE</i> , 2013, 8, e55972.	2.5	91
36	miR-98 reduces endothelial dysfunction by protecting blood-brain barrier (BBB) and improves neurological outcomes in mouse ischemia/reperfusion stroke model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1953-1965.	4.3	86

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37	Regulation of ABC membrane transporters in glial cells: Relevance to the pharmacotherapy of brain HIV-1 infection. <i>Glia</i> , 2008, 56, 1711-1735.	4.9	85
38	HIV-1 neuropathogenesis: glial mechanisms revealed through substance abuse. <i>Journal of Neurochemistry</i> , 2007, 100, 567-586.	3.9	84
39	Model systems for studies of leukocyte migration across the blood- brain barrier. <i>Journal of NeuroVirology</i> , 1999, 5, 579-590.	2.1	83
40	Mononuclear Phagocyte Differentiation, Activation, and Viral Infection Regulate Matrix Metalloproteinase Expression: Implications for Human Immunodeficiency Virus Type 1-Associated Dementia. <i>Journal of Virology</i> , 2001, 75, 6572-6583.	3.4	82
41	Dysfunction of brain pericytes in chronic neuroinflammation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 794-807.	4.3	78
42	Impaired Spatial Cognition and Synaptic Potentiation in a Murine Model of Human Immunodeficiency Virus Type 1 Encephalitis. <i>Journal of Neuroscience</i> , 2002, 22, 2096-2105.	3.6	73
43	Inhibition of Glycogen Synthase Kinase 3 β (GSK3 β) Decreases Inflammatory Responses in Brain Endothelial Cells. <i>American Journal of Pathology</i> , 2010, 176, 881-892.	3.8	72
44	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.	0.8	69
45	Attenuation of HIV-1 replication in macrophages by cannabinoid receptor 2 agonists. <i>Journal of Leukocyte Biology</i> , 2013, 93, 801-810.	3.3	68
46	Novel Delivery System Enhances Efficacy of Antiretroviral Therapy in Animal Model for HIV-1 Encephalitis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1033-1042.	4.3	67
47	HIV-1 infected monocyte-derived macrophages affect the human brain microvascular endothelial cell proteome: New insights into blood-brain barrier dysfunction for HIV-1-associated dementia. <i>Journal of Neuroimmunology</i> , 2007, 185, 37-46.	2.3	63
48	T cell independent mechanism for copolymer-1 α -induced neuroprotection. <i>European Journal of Immunology</i> , 2007, 37, 3143-3154.	2.9	62
49	Acetyl-L-carnitine protects neuronal function from alcohol-induced oxidative damage in the brain. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1494-1504.	2.9	62
50	Selective Activation of Cannabinoid Receptor 2 in Leukocytes Suppresses Their Engagement of the Brain Endothelium and Protects the Blood-Brain Barrier. <i>American Journal of Pathology</i> , 2013, 183, 1548-1558.	3.8	61
51	Hyperglycemia and advanced glycation end products disrupt BBB and promote occludin and claudin-5 protein secretion on extracellular microvesicles. <i>Scientific Reports</i> , 2020, 10, 7274.	3.3	60
52	Inhibition of long-term potentiation by interleukin-8: Implications for human immunodeficiency virus-1-associated dementia. <i>Journal of Neuroscience Research</i> , 2003, 71, 600-607.	2.9	58
53	Poly(ADP-ribose) Polymerase-1 Inhibition in Brain Endothelium Protects the Blood-Brain Barrier under Physiologic and Neuroinflammatory Conditions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 28-36.	4.3	58
54	Alcohol Abuse Enhances Neuroinflammation and Impairs Immune Responses in an Animal Model of Human Immunodeficiency Virus-1 Encephalitis. <i>American Journal of Pathology</i> , 2006, 168, 1335-1344.	3.8	57

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55	Immune privilege and HIV-1 persistence in the CNS. <i>Immunological Reviews</i> , 2006, 213, 180-194.	6.0	57
56	TNF-related apoptosis-inducing ligand mediates human neuronal apoptosis: links to HIV-1-associated dementia. <i>Journal of Neuroimmunology</i> , 2004, 148, 127-139.	2.3	55
57	Alcohol-Induced Interactive Phosphorylation of Src and Toll-like Receptor Regulates the Secretion of Inflammatory Mediators by Human Astrocytes. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 533-545.	4.1	55
58	Development of laboratory and animal model systems for HIV-1 encephalitis and its associated dementia. <i>Journal of Leukocyte Biology</i> , 1997, 62, 100-106.	3.3	54
59	Alcohol and HIV decrease proteasome and immunoproteasome function in macrophages: implications for impaired immune function during disease. <i>Cellular Immunology</i> , 2004, 229, 139-148.	3.0	53
60	Dyad of CD40/CD40 Ligand Fosters Neuroinflammation at the Blood-Brain Barrier and Is Regulated via JNK Signaling: Implications for HIV-1 Encephalitis. <i>Journal of Neuroscience</i> , 2010, 30, 9454-9464.	3.6	51
61	Anti-Inflammatory Effect of Targeted Delivery of SOD to Endothelium: Mechanism, Synergism with NO Donors and Protective Effects In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e77002.	2.5	50
62	HIV-1 Activates Proinflammatory and Interferon-Inducible Genes in Human Brain Microvascular Endothelial Cells: Putative Mechanisms of Blood-Brain Barrier Dysfunction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 697-711.	4.3	49
63	Stabilization of superoxide dismutase by acetyl-L-carnitine in human brain endothelium during alcohol exposure: Novel protective approach. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1601-1609.	2.9	48
64	Immune activation of human brain microvascular endothelial cells inhibits HIV replication in macrophages. <i>Blood</i> , 2013, 121, 2934-2942.	1.4	47
65	Monocyte Chemotactic Protein-1 Regulates Voltage-Gated K ⁺ Channels and Macrophage Transmigration. <i>Journal of NeuroImmune Pharmacology</i> , 2009, 4, 47-59.	4.1	44
66	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.	2.3	43
67	Glycogen Synthase Kinase 3 β Inhibition Prevents Monocyte Migration across Brain Endothelial Cells via Rac1-GTPase Suppression and Down-Regulation of Active Integrin Conformation. <i>American Journal of Pathology</i> , 2012, 181, 1414-1425.	3.8	40
68	Activation of Cannabinoid Type Two Receptors (CB2) Diminish Inflammatory Responses in Macrophages and Brain Endothelium. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 302-308.	4.1	39
69	PARP inhibition in leukocytes diminishes inflammation via effects on integrins/cytoskeleton and protects the blood-brain barrier. <i>Journal of Neuroinflammation</i> , 2016, 13, 254.	7.2	38
70	Secoisolariciresinol diglucoside is a blood-brain barrier protective and anti-inflammatory agent: implications for neuroinflammation. <i>Journal of Neuroinflammation</i> , 2018, 15, 25.	7.2	38
71	Peroxisome proliferator-activated receptor- γ activation suppresses HIV-1 replication in an animal model of encephalitis. <i>Aids</i> , 2008, 22, 1539-1549.	2.2	37
72	Adolescent Traumatic Brain Injury Induces Chronic Mesolimbic Neuroinflammation with Concurrent Enhancement in the Rewarding Effects of Cocaine in Mice during Adulthood. <i>Journal of Neurotrauma</i> , 2017, 34, 165-181.	3.4	37

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73	Activation of GPR55 induces neuroprotection of hippocampal neurogenesis and immune responses of neural stem cells following chronic, systemic inflammation. <i>Brain, Behavior, and Immunity</i> , 2019, 76, 165-181.	4.1	37
74	HIV-1 infected and immune competent mononuclear phagocytes induce quantitative alterations in neuronal dendritic arbor: Relevance for HIV-1-associated dementia. <i>Neurotoxicity Research</i> , 2001, 3, 443-459.	2.7	36
75	Combining vascular targeting and the local first pass provides 100-fold higher uptake of ICAM-1-targeted vs untargeted nanocarriers in the inflamed brain. <i>Journal of Controlled Release</i> , 2019, 301, 54-61.	9.9	36
76	HIV-1 infected immune competent mononuclear phagocytes influence the pathways to neuronal demise. <i>Neurotoxicity Research</i> , 2001, 3, 461-484.	2.7	35
77	Regulation of Pâ€glycoprotein by human immunodeficiency virusâ€1 in primary cultures of human fetal astrocytes. <i>Journal of Neuroscience Research</i> , 2011, 89, 1773-1782.	2.9	35
78	Electronic cigarette exposure disrupts blood-brain barrier integrity and promotes neuroinflammation. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 363-380.	4.1	32
79	Murine Models for Human Immunodeficiency Virus Type 1-Associated Dementia: The Development of New Treatment Testing Paradigms. <i>Journal of NeuroVirology</i> , 2002, 8, 49-52.	2.1	31
80	Activation of GPR55 increases neural stem cell proliferation and promotes early adult hippocampal neurogenesis. <i>British Journal of Pharmacology</i> , 2018, 175, 3407-3421.	5.4	31
81	Dexamethasone Therapy Worsens the Neuropathology of Human Immunodeficiency Virus Type 1 Encephalitis in SCID Mice. <i>Journal of Infectious Diseases</i> , 1997, 175, 1368-1381.	4.0	29
82	CB2 Receptor Activation Inhibits Melanoma Cell Transmigration through the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8063-8074.	4.1	29
83	Kallikreinâ€Kinin System Suppresses Type I Interferon Responses: A Novel Pathway of Interferon Regulation. <i>Frontiers in Immunology</i> , 2018, 9, 156.	4.8	28
84	Dysregulation of Claudin-5 in HIV-induced Interstitial Pneumonitis and Lung Vascular Injury. Protective Role of Peroxisome Proliferatorâ€activated Receptor-Î³. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 85-97.	5.6	27
85	Characterization of human fetal brain endothelial cells reveals barrier properties suitable for inÂvitro modeling of the BBB with syngenic co-cultures. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 888-903.	4.3	27
86	Adding Fuel to the Fire: Methamphetamine Enhances HIV Infection. <i>American Journal of Pathology</i> , 2008, 172, 1467-1470.	3.8	24
87	Alcohol impairs interferon signaling and enhances full cycle hepatitis C virus JFH-1 infection of human hepatocytes. <i>Drug and Alcohol Dependence</i> , 2010, 112, 107-116.	3.2	24
88	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.	2.1	23
89	The dual action of poly(ADP-ribose) polymerase -1 (PARP-1) inhibition in HIV-1 infection: HIV-1 LTR inhibition and diminution in Rho GTPase activity. <i>Frontiers in Microbiology</i> , 2015, 6, 878.	3.5	23
90	let-7g counteracts endothelial dysfunction and ameliorating neurological functions in mouse ischemia/reperfusion stroke model. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 543-555.	4.1	21

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91	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.	2.1	20
92	Development of a rapid autopsy program for studies of brain immunity. <i>Journal of Neuroimmunology</i> , 2005, 163, 135-144.	2.3	19
93	Craniula: A cranial window technique for prolonged imaging of brain surface vasculature with simultaneous adjacent intracerebral injection. <i>Fluids and Barriers of the CNS</i> , 2015, 12, 24.	5.0	18
94	Identification and Dynamic Regulation of Tight Junction Protein Expression in Human Neural Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 1377-1389.	2.1	18
95	Centrally Acting Angiotensin-Converting Enzyme Inhibitor Suppresses Type I Interferon Responses and Decreases Inflammation in the Periphery and the CNS in Lupus-Prone Mice. <i>Frontiers in Immunology</i> , 2020, 11, 573677.	4.8	18
96	Effects of Electronic Nicotine Delivery Systems and Cigarettes on Systemic Circulation and Blood-Brain Barrier. <i>American Journal of Pathology</i> , 2021, 191, 243-255.	3.8	14
97	Rodent model systems for studies of HIV-1 associated dementia. <i>Neurotoxicity Research</i> , 2005, 8, 91-106.	2.7	12
98	Chronic Intrahippocampal Infusion of HIV-1 Neurotoxic Proteins: A Novel Mouse Model of HIV-1 Associated Inflammation and Neural Stem Cell Dysfunction. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 375-382.	4.1	9
99	Combination of HIV-1 and Diabetes Enhances Blood Brain Barrier Injury via Effects on Brain Endothelium and Pericytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4663.	4.1	7
100	Blocking of P2X7r Reduces Mitochondrial Stress Induced by Alcohol and Electronic Cigarette Exposure in Brain Microvascular Endothelial Cells. <i>Antioxidants</i> , 2022, 11, 1328.	5.1	7
101	Tobacco smoke and morphine alter peripheral and CNS inflammation following HIV infection in a humanized mouse model. <i>Scientific Reports</i> , 2020, 10, 13977.	3.3	6
102	Model Systems for Assessing Cognitive Function: Implications for HIV-1 Infection and Drugs of Abuse. , 2001, 493, 7-27.		4
103	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.	2.1	3
104	Battle of Animal Models. <i>Journal of NeuroImmune Pharmacology</i> , 2007, 2, 171-177.	4.1	3
105	Summary of the 2014 Alcohol and Immunology Research Interest Group (AIRIG) meeting. <i>Alcohol</i> , 2015, 49, 767-772.	1.7	2
106	Insights into End-Organ Injury in HIV Infection. <i>American Journal of Pathology</i> , 2015, 185, 1548-1551.	3.8	1
107	Alcohol and Neurodegeneration. , 2014, , 511-526.		1
108	Pericyte dysfunction in blood brain barrier impairment caused by HIV infection (278.1). <i>FASEB Journal</i> , 2014, 28, 278.1.	0.5	1

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109	Alcohol Abuse, HIV-1, and Hepatitis C Infection. , 2013, , 509-533.		0
110	P2X7 inhibition prevents mitochondrial stress caused by alcohol and e-cigarette exposure in primary vascular endothelial cells and restores barrier function. FASEB Journal, 2022, 36, .	0.5	0