Igor J Koralnik

List of Publications by Year
in descending order

79	5,070	147801 31	95266 68
papers	citations	h-index	g-index

82	82	82	5384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progressive multifocal leukoencephalopathy and other disorders caused by JC virus: clinical features and pathogenesis. Lancet Neurology, The, 2010, 9, 425-437.	10.2	662
2	PML diagnostic criteria. Neurology, 2013, 80, 1430-1438.	1.1	574
3	Persistent neurologic symptoms and cognitive dysfunction in nonâ€hospitalized Covidâ€19 â€œlong haulersâ€. Annals of Clinical and Translational Neurology, 2021, 8, 1073-1085.	3.7	430
4	<scp>COVID</scp>â€19: A Global Threat to the Nervous System. Annals of Neurology, 2020, 88, 1-11.	5.3	371
5	Frequent neurologic manifestations and encephalopathyâ€associated morbidity in Covidâ€19 patients. Annals of Clinical and Translational Neurology, 2020, 7, 2221-2230.	3.7	362
6	Progressive multifocal leukoencephalopathy revisited: Has the disease outgrown its name?. Annals of Neurology, 2006, 60, 162-173.	5.3	228
7	A prospective study demonstrates an association between JC virus-specific cytotoxic T lymphocytes and the early control of progressive multifocal leukoencephalopathy. Brain, 2004, 127, 1970-1978.	7.6	188
8	JC virus granule cell neuronopathy: A novel clinical syndrome distinct from progressive multifocal leukoencephalopathy. Annals of Neurology, 2005, 57, 576-580.	5.3	172
9	The neurobiological basis of narcolepsy. Nature Reviews Neuroscience, 2019, 20, 83-93.	10.2	151
10	New insights into progressive multifocal leukoencephalopathy. Current Opinion in Neurology, 2004, 17, 365-370.	3.6	133
11	Association of Prolonged Survival in HLA-A2+ Progressive Multifocal Leukoencephalopathy Patients with a CTL Response Specific for a Commonly Recognized JC Virus Epitope. Journal of Immunology, 2002, 168, 499-504.	0.8	129
12	Role of CD4 ⁺ and CD8 ⁺ T-Cell Responses against JC Virus in the Outcome of Patients with Progressive Multifocal Leukoencephalopathy (PML) and PML with Immune Reconstitution Inflammatory Syndrome. Journal of Virology, 2011, 85, 7256-7263.	3.4	116
13	JCV-specific cellular immune response correlates with a favorable clinical outcome in HIV-infected individuals with progressive multifocal leukoencephalopathy. Journal of NeuroVirology, 2001, 7, 318-322.	2.1	88
14	JC virus granule cell neuronopathy is associated with VP1 C terminus mutants. Journal of General Virology, 2012, 93, 175-183.	2.9	70
15	Molecular Diagnosis of Central Nervous System Opportunistic Infections in HIV-Infected Zambian Adults. Clinical Infectious Diseases, 2014, 58, 1771-1777.	5.8	70
16	Increased Program Cell Deathâ€“1 Expression on T Lymphocytes of Patients With Progressive Multifocal Leukoencephalopathy. Journal of Acquired Immune Deficiency Syndromes (1999), 2012, 60, 244-248.	2.1	69
17	Characterization of lymphocytic infiltrates in progressive multifocal leukoencephalopathy: Co-localization of CD8⁺T cells with JCV-infected glial cells. Journal of NeuroVirology, 2006, 12, 116-128.	2.1	64
18	Case 14-2004. New England Journal of Medicine, 2004, 350, 1882-1893.	27.0	63

#	Article	IF	Citations
19	A granule cell neuron-associated JC virus variant has a unique deletion in the VP1 gene. Journal of General Virology, 2006, 87, 2533-2537.	2.9	58
20	Neurosyphilis. Seminars in Neurology, 2019, 39, 448-455.	1.4	56
21	Analysis of 15 novel full-length BK virus sequences from three individuals: evidence of a high intra-strain genetic diversity. Journal of General Virology, 2004, 85, 2651-2663.	2.9	55
22	Cross-protective immunity following coronavirus vaccination and coronavirus infection. Journal of Clinical Investigation, 2021, 131, .	8.2	51
23	Imaging Review of Peripheral Nerve Injuries in Patients with COVID-19. Radiology, 2021, 298, E117-E130.	7.3	50
24	Progressive neurologic dysfunction in a psoriasis patient treated with dimethyl fumarate. Annals of Neurology, 2015, 78, 501-514.	5.3	45
25	Evolution of neurologic symptoms in nonâ€hospitalized <scp>COVID</scp>â€19 â€œlong haulersâ€. Annals of Clinical and Translational Neurology, 2022, 9, 950-961.	3.7	42
26	Nonfatal PML in a patient with multiple sclerosis treated with dimethyl fumarate. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e274.	6.0	41
27	Progressive Multifocal Leukoencephalopathy in a Patient With Progressive Multiple Sclerosis Treated With Ocrelizumab Monotherapy. JAMA Neurology, 2021, 78, 736.	9.0	40
28	JCV GCN in a natalizumab-treated MS patient is associated with mutations of the VP1 capsid gene. Neurology, 2014, 83, 727-732.	1.1	37
29	JC Polyomavirus Granule Cell Neuronopathy in a Patient Treated With Rituximab. JAMA Neurology, 2014, 71, 487.	9.0	37
30	Interleukin-7 treatment of PML in a patient with idiopathic lymphocytopenia. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e213.	6.0	34
31	Prospective Cohort Study on Performance of Cerebrospinal Fluid (CSF) Xpert MTB/RIF, CSF Lipoarabinomannan (LAM) Lateral Flow Assay (LFA), and Urine LAM LFA for Diagnosis of Tuberculous Meningitis in Zambia. Journal of Clinical Microbiology, 2019, 57, .	3.9	33
32	Plasma Biomarkers of Neuropathogenesis in Hospitalized Patients With COVID-19 and Those With Postacute Sequelae of SARS-CoV-2 Infection. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	6.0	33
33	Can Immune Checkpoint Inhibitors Keep JC Virus in Check?. New England Journal of Medicine, 2019, 380, 1667-1668.	27.0	32
34	Lymphomatoid papulosis and human herpesviruses - A PCR-based evaluation for the presence of human herpesvirus 6, 7 and 8 and related herpesviruses. Journal of Cutaneous Pathology, 2001, 28, 29-33.	1.3	31
35	Risk factors for lymphopenia in patients with relapsingâ€“remitting multiple sclerosis treated with dimethyl fumarate. Journal of Neurology, 2020, 267, 125-131.	3.6	28
36	ViroFind: A novel target-enrichment deep-sequencing platform reveals a complex JC virus population in the brain of PML patients. PLoS ONE, 2018, 13, e0186945.	2.5	25

#	Article	IF	Citations
37	Diaphragm and Phrenic Nerve Ultrasound in <scp>COVID</scp>â€19 Patients and Beyond. Journal of Ultrasound in Medicine, 2022, 41, 285-299.	1.7	23
38	Frequent Infection of Neurons by SV40 Virus in SIV-Infected Macaque Monkeys with Progressive Multifocal Leukoencephalopathy and Meningoencephalitis. American Journal of Pathology, 2013, 183, 1910-1917.	3.8	19
39	New-onset seizure in HIV-infected adult Zambians. Neurology, 2017, 88, 477-482.	1.1	19
40	Treatment of natalizumabâ€associated <scp>PML</scp> with filgrastim. Annals of Clinical and Translational Neurology, 2019, 6, 923-931.	3.7	18
41	Transcranial Doppler Ultrasound Evidence of Active Cerebral Embolization in COVID-19. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105542.	1.6	18
42	Advances in Treatment of Progressive Multifocal Leukoencephalopathy. Annals of Neurology, 2021, 90, 865-873.	5.3	18
43	Children with Narcolepsy type 1 have increased Tâ€cell responses to orexins. Annals of Clinical and Translational Neurology, 2019, 6, 2566-2572.	3.7	17
44	Immune Reconstitution after Allogeneic Hematopoietic Stem Cell Transplantation IsÂAssociated with Selective Control of JC VirusÂReactivation. Biology of Blood and Marrow Transplantation, 2014, 20, 992-999.	2.0	16
45	Acute EEG findings in HIV-infected Zambian adults with new-onset seizure. Neurology, 2015, 84, 1317-1322.	1.1	16
46	JC virus granule cell neuronopathy in the setting of chronic lymphopenia treated with recombinant interleukin-7. Journal of NeuroVirology, 2017, 23, 141-146.	2.1	16
47	Predictors and characteristics of seizures in survivors of progressive multifocal leukoencephalopathy. Journal of NeuroVirology, 2016, 22, 464-471.	2.1	14
48	JC virus infection of meningeal and choroid plexus cells in patients with progressive multifocal leukoencephalopathy. Journal of NeuroVirology, 2019, 25, 520-524.	2.1	14
49	Persistent viral RNA shedding of SARS-CoV-2 is associated with delirium incidence and six-month mortality in hospitalized COVID-19 patients. GeroScience, 2022, 44, 1241-1254.	4.6	12
50	JC Virus Infects Neurons and Glial Cells in the Hippocampus. Journal of Neuropathology and Experimental Neurology, 2016, 75, 712-717.	1.7	11
51	Germline Genetic Risk Variants for Progressive Multifocal Leukoencephalopathy. Frontiers in Neurology, 2020, 11, 186.	2.4	11
52	Abnormal movements in hospitalized COVID-19 patients: A case series. Journal of the Neurological Sciences, 2021, 423, 117377.	0.6	10
53	JC virus nucleotides 376-396 are critical for VP1 capsid protein expression. Journal of NeuroVirology, 2015, 21, 671-678.	2.1	9
54	Pharmacovigilance during treatment of multiple sclerosis: early recognition of CNS complications. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 177-188.	1.9	9

#	Article	IF	Citations
55	Acute-care hospital reencounters in COVID-19 patients. GeroScience, 2021, 43, 2041-2053.	4.6	9
56	Training for a neurology career in a rare disease: The role of cyberconsults. Annals of Neurology, 2015, 77, 738-740.	5.3	8
57	BK polyomavirus reactivation after reduced-intensity double umbilical cord blood cell transplantation. Transplant Immunology, 2015, 32, 116-120.	1.2	7
58	Brainstem progressive multifocal leukoencephalopathy. European Journal of Neurology, 2021, 28, 1016-1021.	3.3	7
59	Cognitive Impairment and Psychiatric Morbidity in HIV+ Zambians with New-Onset Seizure. American Journal of Tropical Medicine and Hygiene, 2014, 91, 1254-1258.	1.4	6
60	Developing a successful global neurology program. Annals of Neurology, 2017, 81, 167-170.	5.3	6
61	Teriflunomide Inhibits JCPyV Infection and Spread in Glial Cells and Choroid Plexus Epithelial Cells. International Journal of Molecular Sciences, 2021, 22, 9809.	4.1	6
62	Neuroimaging abnormalities and seizure recurrence in a prospective cohort study of Zambians with human immunodeficiency virus and first seizure. Neurology International, 2014, 6, 5547.	2.8	5
63	Clinical characteristics and outcomes after newâ€onset seizure among Zambian children with HIV during the antiretroviral therapy era. Epilepsia Open, 2022, 7, 315-324.	2.4	5
64	Clinicopathological characterization of an HIV-2-infected individual with two clonally unrelated primary lymphomas. American Journal of Hematology, 2000, 65, 302-306.	4.1	4
65	Mortality & recurrent seizure risk after new-onset seizure in HIV-positive Zambian adults. BMC Neurology, 2018, 18, 201.	1.8	4
66	Neurologic illness in Zambia: A neurointensivist's experience. Journal of the Neurological Sciences, 2018, 385, 140-143.	0.6	3
67	Brief Report: Decreased JC Virus-Specific Antibody-Dependent Cellular Cytotoxicity in HIV-Seropositive PML Survivors. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 82, 220-224.	2.1	3
68	The World Health Organization's Essential Diagnostics List. Neurology, 2019, 93, 680-683.	1.1	3
69	Challenges in the diagnosis and treatment of CNS demyelinating disorders in Zambia. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2016, 2, 205521731665711.	1.0	2
70	PML-IRIS in an HIV-2-infected patient presenting as Bellâ€™s palsy. Journal of NeuroVirology, 2017, 23, 789-792.	2.1	2
71	JC Virus Granule Cell Neuronopathy as AIDS-Presenting Illness. Canadian Journal of Neurological Sciences, 2018, 45, 466-469.	0.5	2
72	Global Teleneurology. Annals of Neurology, 2022, 91, 443-444.	5.3	2

#	Article	IF	Citations
73	Evaluating the impact of antiretroviral and antiseizure medication interactions on treatment effectiveness among outpatient clinic attendees with HIV in Zambia. Epilepsia, 2020, 61, 2705-2711.	5.1	1
74	Reader Response: A Prospective Study of Neurologic Disorders in Hospitalized Patients With COVID-19 in New York City. Neurology, 2021, 96, 550-550.	1.1	1
75	LTA4H Prevalence and Mortality in Adult Zambians with Tuberculous Meningitis. Annals of Neurology, 2021, 90, 994-998.	5.3	1
76	Progressive multifocal leukoencephalopathy in Zambia is caused by JC virus with prototype regulatory region. Journal of NeuroVirology, 2019, 25, 475-479.	2.1	0
77	Reply to COVIDâ€19 encephalopathy, Bayes rule, and a plea for caseâ€“control studies. Annals of Clinical and Translational Neurology, 2021, 8, 726-726.	3.7	0
78	Adoptive T Cell Therapy for Progressive Multifocal Leukoencephalopathy Using Sequential Ex-Vivo Stimulation with JCV Peptide Pulsed Dendritic Cells and Anti-CD3/CD28. Blood, 2011, 118, 2175-2175.	1.4	0
79	BK Virus Reactivation After Double Umbilical Cord Blood Transplantation in Adults Correlates with Tregs and Delayed Reconstitution of CD4+ and CD8+ T Effector Cells. Blood, 2012, 120, 4174-4174.	1.4	0