

Igor J Koralnik

List of Publications by Citations

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76
papers

3,438
citations

25
h-index

58
g-index

82
ext. papers

4,354
ext. citations

7.6
avg, IF

6.14
L-index

#	Paper	IF	Citations
76	Progressive multifocal leukoencephalopathy and other disorders caused by JC virus: clinical features and pathogenesis. <i>Lancet Neurology, The</i> , 2010 , 9, 425-37	24.1	557
75	PML diagnostic criteria: consensus statement from the AAN Neuroinfectious Disease Section. <i>Neurology</i> , 2013 , 80, 1430-8	6.5	437
74	COVID-19: A Global Threat to the Nervous System. <i>Annals of Neurology</i> , 2020 , 88, 1-11	9.4	227
73	Frequent neurologic manifestations and encephalopathy-associated morbidity in Covid-19 patients. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 2221-2230	5.3	206
72	Progressive multifocal leukoencephalopathy revisited: Has the disease outgrown its name?. <i>Annals of Neurology</i> , 2006 , 60, 162-73	9.4	205
71	A prospective study demonstrates an association between JC virus-specific cytotoxic T lymphocytes and the early control of progressive multifocal leukoencephalopathy. <i>Brain</i> , 2004 , 127, 1970-8	11.2	160
70	JC virus granule cell neuronopathy: A novel clinical syndrome distinct from progressive multifocal leukoencephalopathy. <i>Annals of Neurology</i> , 2005 , 57, 576-80	9.4	144
69	Association of prolonged survival in HLA-A2+ progressive multifocal leukoencephalopathy patients with a CTL response specific for a commonly recognized JC virus epitope. <i>Journal of Immunology</i> , 2002 , 168, 499-504	5.3	122
68	Persistent neurologic symptoms and cognitive dysfunction in non-hospitalized Covid-19 "long haulers". <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 1073-1085	5.3	120
67	New insights into progressive multifocal leukoencephalopathy. <i>Current Opinion in Neurology</i> , 2004 , 17, 365-70	7.1	115
66	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. <i>Journal of Virology</i> , 2011 , 85, 7256-63	6.6	95
65	The neurobiological basis of narcolepsy. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 83-93	13.5	76
64	JCV-specific cellular immune response correlates with a favorable clinical outcome in HIV-infected individuals with progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , 2001 , 7, 318-22	3.9	75
63	Characterization of lymphocytic infiltrates in progressive multifocal leukoencephalopathy: co-localization of CD8(+) T cells with JCV-infected glial cells. <i>Journal of NeuroVirology</i> , 2006 , 12, 116-28	3.9	58
62	JC virus granule cell neuronopathy is associated with VP1 C terminus mutants. <i>Journal of General Virology</i> , 2012 , 93, 175-183	4.9	57
61	Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 14-2004. A 66-year-old man with progressive neurologic deficits. <i>New England Journal of Medicine</i> , 2004 , 350, 1882-93	59.2	54
60	Analysis of 15 novel full-length BK virus sequences from three individuals: evidence of a high intra-strain genetic diversity. <i>Journal of General Virology</i> , 2004 , 85, 2651-2663	4.9	51

59	Molecular diagnosis of central nervous system opportunistic infections in HIV-infected Zambian adults. <i>Clinical Infectious Diseases</i> , 2014 , 58, 1771-7	11.6	49
58	A granule cell neuron-associated JC virus variant has a unique deletion in the VP1 gene. <i>Journal of General Virology</i> , 2006 , 87, 2533-2537	4.9	47
57	Increased program cell death-1 expression on T lymphocytes of patients with progressive multifocal leukoencephalopathy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2012 , 60, 244-8 ³¹	4.8	46
56	Progressive neurologic dysfunction in a psoriasis patient treated with dimethyl fumarate. <i>Annals of Neurology</i> , 2015 , 78, 501-14	9.4	38
55	Nonfatal PML in a patient with multiple sclerosis treated with dimethyl fumarate. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016 , 3, e274	9.1	36
54	JCV GCN in a natalizumab-treated MS patient is associated with mutations of the VP1 capsid gene. <i>Neurology</i> , 2014 , 83, 727-32	6.5	29
53	JC polyomavirus granule cell neuronopathy in a patient treated with rituximab. <i>JAMA Neurology</i> , 2014 , 71, 487-9	17.2	26
52	Lymphomatoid papulosis and human herpesviruses--A PCR-based evaluation for the presence of human herpesvirus 6, 7 and 8 related herpesviruses. <i>Journal of Cutaneous Pathology</i> , 2001 , 28, 29-33	1.7	26
51	Neurosyphilis. <i>Seminars in Neurology</i> , 2019 , 39, 448-455	3.2	25
50	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. <i>Journal of Clinical Microbiology</i> , 2019 , 57,	9.7	24
49	Interleukin-7 treatment of PML in a patient with idiopathic lymphocytopenia. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016 , 3, e213	9.1	24
48	Imaging Review of Peripheral Nerve Injuries in Patients with COVID-19. <i>Radiology</i> , 2021 , 298, E117-E130 ^{20.5}	20.5	21
47	Risk factors for lymphopenia in patients with relapsing-remitting multiple sclerosis treated with dimethyl fumarate. <i>Journal of Neurology</i> , 2020 , 267, 125-131	5.5	18
46	ViroFind: A novel target-enrichment deep-sequencing platform reveals a complex JC virus population in the brain of PML patients. <i>PLoS ONE</i> , 2018 , 13, e0186945	3.7	16
45	Immune reconstitution after allogeneic hematopoietic stem cell transplantation is associated with selective control of JC virus reactivation. <i>Biology of Blood and Marrow Transplantation</i> , 2014 , 20, 992-9	4.7	16
44	Progressive Multifocal Leukoencephalopathy in a Patient With Progressive Multiple Sclerosis Treated With Ocrelizumab Monotherapy. <i>JAMA Neurology</i> , 2021 , 78, 736-740	17.2	15
43	Frequent infection of neurons by SV40 virus in SIV-infected macaque monkeys with progressive multifocal leukoencephalopathy and meningoencephalitis. <i>American Journal of Pathology</i> , 2013 , 183, 1910-1917	5.8	14
42	Treatment of natalizumab-associated PML with filgrastim. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 923-931	5.3	13

41	Children with Narcolepsy type 1 have increased T-cell responses to orexins. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 2566-2572	5.3	13
40	Acute EEG findings in HIV-infected Zambian adults with new-onset seizure. <i>Neurology</i> , 2015 , 84, 1317-226.5		12
39	New-onset seizure in HIV-infected adult Zambians: A search for causes and consequences. <i>Neurology</i> , 2017 , 88, 477-482	6.5	11
38	JC virus granule cell neuronopathy in the setting of chronic lymphopenia treated with recombinant interleukin-7. <i>Journal of NeuroVirology</i> , 2017 , 23, 141-146	3.9	11
37	JC virus infection of meningeal and choroid plexus cells in patients with progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , 2019 , 25, 520-524	3.9	10
36	Predictors and characteristics of seizures in survivors of progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , 2016 , 22, 464-71	3.9	10
35	JC Virus Infects Neurons and Glial Cells in the Hippocampus. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016 , 75, 712-717	3.1	10
34	JC virus nucleotides 376-396 are critical for VP1 capsid protein expression. <i>Journal of NeuroVirology</i> , 2015 , 21, 671-8	3.9	9
33	Cross-protective immunity following coronavirus vaccination and coronavirus infection. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	7
32	Neuro-COVID long-haulers exhibit broad dysfunction in T cell memory generation and responses to vaccination 2021 ,		7
31	BK polyomavirus reactivation after reduced-intensity double umbilical cord blood cell transplantation. <i>Transplant Immunology</i> , 2015 , 32, 116-20	1.7	6
30	Training for a neurology career in a rare disease: The role of cyberconsults. <i>Annals of Neurology</i> , 2015 , 77, 738-40	9.4	6
29	Transcranial Doppler Ultrasound Evidence of Active Cerebral Embolization in COVID-19. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021 , 30, 105542	2.8	6
28	Neuroimaging abnormalities and seizure recurrence in a prospective cohort study of zambians with human immunodeficiency virus and first seizure. <i>Neurology International</i> , 2014 , 6, 5547	1.2	5
27	Abnormal movements in hospitalized COVID-19 patients: A case series. <i>Journal of the Neurological Sciences</i> , 2021 , 423, 117377	3.2	5
26	Cognitive impairment and psychiatric morbidity in HIV+ Zambians with new-onset seizure. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 1254-8	3.2	4
25	Germline Genetic Risk Variants for Progressive Multifocal Leukoencephalopathy. <i>Frontiers in Neurology</i> , 2020 , 11, 186	4.1	4
24	Brainstem progressive multifocal leukoencephalopathy. <i>European Journal of Neurology</i> , 2021 , 28, 1016-1021		4

23	Clinicopathological characterization of an HIV-2-infected individual with two clonally unrelated primary lymphomas. <i>American Journal of Hematology</i> , 2000 , 65, 302-6	7.1	3
22	Acute-care hospital reencounters in COVID-19 patients. <i>GeroScience</i> , 2021 , 43, 2041-2053	8.9	3
21	Pharmacovigilance during treatment of multiple sclerosis: early recognition of CNS complications. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 177-188	5.5	3
20	Mortality & recurrent seizure risk after new-onset seizure in HIV-positive Zambian adults. <i>BMC Neurology</i> , 2018 , 18, 201	3.1	3
19	Persistent viral RNA shedding of SARS-CoV-2 is associated with delirium incidence and six-month mortality in hospitalized COVID-19 patients.. <i>GeroScience</i> , 2022 , 1	8.9	3
18	PML-IRIS in an HIV-2-infected patient presenting as Bell's palsy. <i>Journal of NeuroVirology</i> , 2017 , 23, 789-792	3.9	2
17	Diaphragm and Phrenic Nerve Ultrasound in COVID-19 Patients and Beyond: Imaging Technique, Findings, and Clinical Applications. <i>Journal of Ultrasound in Medicine</i> , 2021 ,	2.9	2
16	Advances in Treatment of Progressive Multifocal Leukoencephalopathy. <i>Annals of Neurology</i> , 2021 , 90, 865-873	9.4	2
15	Plasma Biomarkers of Neuropathogenesis in Hospitalized Patients With COVID-19 and Those With Postacute Sequelae of SARS-CoV-2 Infection.. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2022 , 9,	9.1	2
14	Developing a successful global neurology program. <i>Annals of Neurology</i> , 2017 , 81, 167-170	9.4	1
13	JC Virus Granule Cell Neuronopathy as AIDS-Presenting Illness. <i>Canadian Journal of Neurological Sciences</i> , 2018 , 45, 466-469	1	1
12	The World Health Organization's Essential Diagnostics List: Diagnostics for neurologic disorders. <i>Neurology</i> , 2019 , 93, 680-683	6.5	1
11	Reader Response: A Prospective Study of Neurologic Disorders in Hospitalized Patients With COVID-19 in New York City. <i>Neurology</i> , 2021 , 96, 550	6.5	1
10	Challenges in the diagnosis and treatment of CNS demyelinating disorders in Zambia. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2016 , 2, 2055217316657117	2	1
9	Teriflunomide Inhibits JCPyV Infection and Spread in Glial Cells and Choroid Plexus Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
8	Neurologic illness in Zambia: A neurointensivist's experience. <i>Journal of the Neurological Sciences</i> , 2018 , 385, 140-143	3.2	0
7	Evaluating the impact of antiretroviral and antiseizure medication interactions on treatment effectiveness among outpatient clinic attendees with HIV in Zambia. <i>Epilepsia</i> , 2020 , 61, 2705-2711	6.4	0
6	Brief Report: Decreased JC Virus-Specific Antibody-Dependent Cellular Cytotoxicity in HIV-Seropositive PML Survivors. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2019 , 82, 220-224	3.1	0

5	LTA4H Prevalence and Mortality in Adult Zambians with Tuberculous Meningitis. <i>Annals of Neurology</i> , 2021 , 90, 994-998	9.4	o
4	Progressive multifocal leukoencephalopathy in Zambia is caused by JC virus with prototype regulatory region. <i>Journal of NeuroVirology</i> , 2019 , 25, 475-479	3.9	
3	Adoptive T Cell Therapy for Progressive Multifocal Leukoencephalopathy Using Sequential Ex-Vivo Stimulation with JCV Peptide Pulsed Dendritic Cells and Anti-CD3/CD28. <i>Blood</i> , 2011 , 118, 2175-2175	2.2	
2	BK Virus Reactivation After Double Umbilical Cord Blood Transplantation in Adults Correlates with Tregs and Delayed Reconstitution of CD4+ and CD8+ T Effector Cells. <i>Blood</i> , 2012 , 120, 4174-4174	2.2	
1	Reply to COVID-19 encephalopathy, Bayes rule, and a plea for case-control studies. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 726	5.3	