

# Igor J Koralnik

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 9,	9.1	2
75	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> , <b>2022</b> , 1	8.9	3
74	Cross-protective immunity following coronavirus vaccination and coronavirus infection. <i>Journal of Clinical Investigation</i> , <b>2021</b> ,	15.9	7
73	Transcranial Doppler Ultrasound Evidence of Active Cerebral Embolization in COVID-19. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2021</b> , 30, 105542	2.8	6
72	Diaphragm and Phrenic Nerve Ultrasound in COVID-19 Patients and Beyond: Imaging Technique, Findings, and Clinical Applications. <i>Journal of Ultrasound in Medicine</i> , <b>2021</b> ,	2.9	2
71	Persistent neurologic symptoms and cognitive dysfunction in non-hospitalized Covid-19 "long haulers". <i>Annals of Clinical and Translational Neurology</i> , <b>2021</b> , 8, 1073-1085	5.3	120
70	Reader Response: A Prospective Study of Neurologic Disorders in Hospitalized Patients With COVID-19 in New York City. <i>Neurology</i> , <b>2021</b> , 96, 550	6.5	1
69	Abnormal movements in hospitalized COVID-19 patients: A case series. <i>Journal of the Neurological Sciences</i> , <b>2021</b> , 423, 117377	3.2	5
68	Acute-care hospital reencounters in COVID-19 patients. <i>GeroScience</i> , <b>2021</b> , 43, 2041-2053	8.9	3
67	Progressive Multifocal Leukoencephalopathy in a Patient With Progressive Multiple Sclerosis Treated With Ocrelizumab Monotherapy. <i>JAMA Neurology</i> , <b>2021</b> , 78, 736-740	17.2	15
66	Imaging Review of Peripheral Nerve Injuries in Patients with COVID-19. <i>Radiology</i> , <b>2021</b> , 298, E117-E130	20.5	21
65	Pharmacovigilance during treatment of multiple sclerosis: early recognition of CNS complications. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2021</b> , 92, 177-188	5.5	3
64	Brainstem progressive multifocal leukoencephalopathy. <i>European Journal of Neurology</i> , <b>2021</b> , 28, 1016-1021	10.21	4
63	Reply to COVID-19 encephalopathy, Bayes rule, and a plea for case-control studies. <i>Annals of Clinical and Translational Neurology</i> , <b>2021</b> , 8, 726	5.3	
62	Neuro-COVID long-haulers exhibit broad dysfunction in T cell memory generation and responses to vaccination <b>2021</b> ,		7
61	Advances in Treatment of Progressive Multifocal Leukoencephalopathy. <i>Annals of Neurology</i> , <b>2021</b> , 90, 865-873	9.4	2
60	LTA4H Prevalence and Mortality in Adult Zambians with Tuberculous Meningitis. <i>Annals of Neurology</i> , <b>2021</b> , 90, 994-998	9.4	0

59	Teriflunomide Inhibits JCPyV Infection and Spread in Glial Cells and Choroid Plexus Epithelial Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
58	COVID-19: A Global Threat to the Nervous System. <i>Annals of Neurology</i> , <b>2020</b> , 88, 1-11	9.4	227
57	Evaluating the impact of antiretroviral and antiseizure medication interactions on treatment effectiveness among outpatient clinic attendees with HIV in Zambia. <i>Epilepsia</i> , <b>2020</b> , 61, 2705-2711	6.4	0
56	Frequent neurologic manifestations and encephalopathy-associated morbidity in Covid-19 patients. <i>Annals of Clinical and Translational Neurology</i> , <b>2020</b> , 7, 2221-2230	5.3	206
55	Risk factors for lymphopenia in patients with relapsing-remitting multiple sclerosis treated with dimethyl fumarate. <i>Journal of Neurology</i> , <b>2020</b> , 267, 125-131	5.5	18
54	Germline Genetic Risk Variants for Progressive Multifocal Leukoencephalopathy. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 186	4.1	4
53	Neurosyphilis. <i>Seminars in Neurology</i> , <b>2019</b> , 39, 448-455	3.2	25
52	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> , <b>2019</b> , 57,	9.7	24
51	Treatment of natalizumab-associated PML with filgrastim. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 923-931	5.3	13
50	Progressive multifocal leukoencephalopathy in Zambia is caused by JC virus with prototype regulatory region. <i>Journal of NeuroVirology</i> , <b>2019</b> , 25, 475-479	3.9	
49	JC virus infection of meningeal and choroid plexus cells in patients with progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , <b>2019</b> , 25, 520-524	3.9	10
48	Children with Narcolepsy type 1 have increased T-cell responses to orexins. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 2566-2572	5.3	13
47	The World Health Organization's Essential Diagnostics List: Diagnostics for neurologic disorders. <i>Neurology</i> , <b>2019</b> , 93, 680-683	6.5	1
46	Brief Report: Decreased JC Virus-Specific Antibody-Dependent Cellular Cytotoxicity in HIV-Seropositive PML Survivors. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2019</b> , 82, 220-224	3.1	0
45	The neurobiological basis of narcolepsy. <i>Nature Reviews Neuroscience</i> , <b>2019</b> , 20, 83-93	13.5	76
44	Neurologic illness in Zambia: A neurointensivist's experience. <i>Journal of the Neurological Sciences</i> , <b>2018</b> , 385, 140-143	3.2	0
43	JC Virus Granule Cell Neuronopathy as AIDS-Presenting Illness. <i>Canadian Journal of Neurological Sciences</i> , <b>2018</b> , 45, 466-469	1	1
42	ViroFind: A novel target-enrichment deep-sequencing platform reveals a complex JC virus population in the brain of PML patients. <i>PLoS ONE</i> , <b>2018</b> , 13, e0186945	3.7	16

41	Mortality & recurrent seizure risk after new-onset seizure in HIV-positive Zambian adults. <i>BMC Neurology</i> , <b>2018</b> , 18, 201	3.1	3
40	New-onset seizure in HIV-infected adult Zambians: A search for causes and consequences. <i>Neurology</i> , <b>2017</b> , 88, 477-482	6.5	11
39	Developing a successful global neurology program. <i>Annals of Neurology</i> , <b>2017</b> , 81, 167-170	9.4	1
38	PML-IRIS in an HIV-2-infected patient presenting as Bell's palsy. <i>Journal of NeuroVirology</i> , <b>2017</b> , 23, 789-792	3.9	2
37	JC virus granule cell neuronopathy in the setting of chronic lymphopenia treated with recombinant interleukin-7. <i>Journal of NeuroVirology</i> , <b>2017</b> , 23, 141-146	3.9	11
36	Predictors and characteristics of seizures in survivors of progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , <b>2016</b> , 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> , <b>2016</b> , 75, 712-717	3.1	10
34	Challenges in the diagnosis and treatment of CNS demyelinating disorders in Zambia. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , <b>2016</b> , 2, 2055217316657117	2	1
33	Interleukin-7 treatment of PML in a patient with idiopathic lymphocytopenia. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2016</b> , 3, e213	9.1	24
32	Nonfatal PML in a patient with multiple sclerosis treated with dimethyl fumarate. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2016</b> , 3, e274	9.1	36
31	JC virus nucleotides 376-396 are critical for VP1 capsid protein expression. <i>Journal of NeuroVirology</i> , <b>2015</b> , 21, 671-8	3.9	9
30	BK polyomavirus reactivation after reduced-intensity double umbilical cord blood cell transplantation. <i>Transplant Immunology</i> , <b>2015</b> , 32, 116-20	1.7	6
29	Acute EEG findings in HIV-infected Zambian adults with new-onset seizure. <i>Neurology</i> , <b>2015</b> , 84, 1317-226.5		12
28	Training for a neurology career in a rare disease: The role of cyberconsults. <i>Annals of Neurology</i> , <b>2015</b> , 77, 738-40	9.4	6
27	Progressive neurologic dysfunction in a psoriasis patient treated with dimethyl fumarate. <i>Annals of Neurology</i> , <b>2015</b> , 78, 501-14	9.4	38
26	Molecular diagnosis of central nervous system opportunistic infections in HIV-infected Zambian adults. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 58, 1771-7	11.6	49
25	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> , <b>2014</b> , 20, 992-9	4.7	16
24	Cognitive impairment and psychiatric morbidity in HIV+ Zambians with new-onset seizure. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2014</b> , 91, 1254-8	3.2	4

23	JCV GCN in a natalizumab-treated MS patient is associated with mutations of the VP1 capsid gene. <i>Neurology</i> , <b>2014</b> , 83, 727-32	6.5	29
22	JC polyomavirus granule cell neuronopathy in a patient treated with rituximab. <i>JAMA Neurology</i> , <b>2014</b> , 71, 487-9	17.2	26
21	Neuroimaging abnormalities and seizure recurrence in a prospective cohort study of zambians with human immunodeficiency virus and first seizure. <i>Neurology International</i> , <b>2014</b> , 6, 5547	1.2	5
20	Frequent infection of neurons by SV40 virus in SIV-infected macaque monkeys with progressive multifocal leukoencephalopathy and meningoencephalitis. <i>American Journal of Pathology</i> , <b>2013</b> , 183, 1910-1917	5.8	14
19	PML diagnostic criteria: consensus statement from the AAN Neuroinfectious Disease Section. <i>Neurology</i> , <b>2013</b> , 80, 1430-8	6.5	437
18	JC virus granule cell neuronopathy is associated with VP1 C terminus mutants. <i>Journal of General Virology</i> , <b>2012</b> , 93, 175-183	4.9	57
17	Increased program cell death-1 expression on T lymphocytes of patients with progressive multifocal leukoencephalopathy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2012</b> , 60, 244-8 <sup>1</sup>	3.1	46
16	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> , <b>2012</b> , 120, 4174-4174	2.2	
15	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> , <b>2011</b> , 85, 7256-63	6.6	95
14	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> , <b>2011</b> , 118, 2175-2175	2.2	
13	Progressive multifocal leukoencephalopathy and other disorders caused by JC virus: clinical features and pathogenesis. <i>Lancet Neurology</i> , <b>2010</b> , 9, 425-37	24.1	557
12	Progressive multifocal leukoencephalopathy revisited: Has the disease outgrown its name?. <i>Annals of Neurology</i> , <b>2006</b> , 60, 162-73	9.4	205
11	A granule cell neuron-associated JC virus variant has a unique deletion in the VP1 gene. <i>Journal of General Virology</i> , <b>2006</b> , 87, 2533-2537	4.9	47
10	Characterization of lymphocytic infiltrates in progressive multifocal leukoencephalopathy: co-localization of CD8(+) T cells with JCV-infected glial cells. <i>Journal of NeuroVirology</i> , <b>2006</b> , 12, 116-28	3.9	58
9	JC virus granule cell neuronopathy: A novel clinical syndrome distinct from progressive multifocal leukoencephalopathy. <i>Annals of Neurology</i> , <b>2005</b> , 57, 576-80	9.4	144
8	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> , <b>2004</b> , 350, 1882-93	59.2	54
7	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> , <b>2004</b> , 85, 2651-2663	4.9	51
6	A prospective study demonstrates an association between JC virus-specific cytotoxic T lymphocytes and the early control of progressive multifocal leukoencephalopathy. <i>Brain</i> , <b>2004</b> , 127, 1970-8 <sup>11,2</sup>	11.2	160

5	New insights into progressive multifocal leukoencephalopathy. <i>Current Opinion in Neurology</i> , <b>2004</b> , 17, 365-70	7.1	115
4	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> , <b>2002</b> , 168, 499-504	5.3	122
3	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> , <b>2001</b> , 28, 29-33	1.7	26
2	JCV-specific cellular immune response correlates with a favorable clinical outcome in HIV-infected individuals with progressive multifocal leukoencephalopathy. <i>Journal of NeuroVirology</i> , <b>2001</b> , 7, 318-22	3.9	75
1	Clinicopathological characterization of an HIV-2-infected individual with two clonally unrelated primary lymphomas. <i>American Journal of Hematology</i> , <b>2000</b> , 65, 302-6	7.1	3