

Michael R Wilson

List of Publications by Citations

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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.

132
papers

5,503
citations

39
h-index

72
g-index

149
ext. papers

7,664
ext. citations

11.3
avg, IF

5.53
L-index

#	Paper	IF	Citations
132	Case definitions, diagnostic algorithms, and priorities in encephalitis: consensus statement of the international encephalitis consortium. <i>Clinical Infectious Diseases</i> , 2013 , 57, 1114-28	11.6	544
131	Actionable diagnosis of neuroleptospirosis by next-generation sequencing. <i>New England Journal of Medicine</i> , 2014 , 370, 2408-17	59.2	528
130	Clinical Metagenomic Sequencing for Diagnosis of Meningitis and Encephalitis. <i>New England Journal of Medicine</i> , 2019 , 380, 2327-2340	59.2	313
129	Same Exposure but Two Radically Different Responses to Antibiotics: Resilience of the Salivary Microbiome versus Long-Term Microbial Shifts in Feces. <i>MBio</i> , 2015 , 6, e01693-15	7.8	253
128	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. <i>Nature Biotechnology</i> , 2020 , 38, 1174-1183	44.5	166
127	High tidal volume upregulates intrapulmonary cytokines in an in vivo mouse model of ventilator-induced lung injury. <i>Journal of Applied Physiology</i> , 2003 , 95, 1385-93	3.7	163
126	Depletion of Abundant Sequences by Hybridization (DASH): using Cas9 to remove unwanted high-abundance species in sequencing libraries and molecular counting applications. <i>Genome Biology</i> , 2016 , 17, 41	18.3	158
125	Chronic Meningitis Investigated via Metagenomic Next-Generation Sequencing. <i>JAMA Neurology</i> , 2018 , 75, 947-955	17.2	141
124	Silent progression in disease activity-free relapsing multiple sclerosis. <i>Annals of Neurology</i> , 2019 , 85, 653-666	9.4	135
123	Integrating host response and unbiased microbe detection for lower respiratory tract infection diagnosis in critically ill adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E12353-E12362	11.5	134
122	Bacillus anthracis comparative genome analysis in support of the Amerithrax investigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5027-32	11.5	130
121	Neuroanatomical correlates of impaired recognition of emotion in dementia. <i>Neuropsychologia</i> , 2006 , 44, 365-73	3.2	111
120	Illuminating uveitis: metagenomic deep sequencing identifies common and rare pathogens. <i>Genome Medicine</i> , 2016 , 8, 90	14.4	102
119	Global absence and targeting of protective immune states in severe COVID-19. <i>Nature</i> , 2021 , 591, 124-130	30.4	100
118	Alveolar macrophage-derived microvesicles mediate acute lung injury. <i>Thorax</i> , 2016 , 71, 1020-1029	7.3	99
117	Diagnosing Balamuthia mandrillaris Encephalitis With Metagenomic Deep Sequencing. <i>Annals of Neurology</i> , 2015 , 78, 722-30	9.4	95
116	Test performance evaluation of SARS-CoV-2 serological assays 2020 ,		95

115	Metagenomic Sequencing Detects Respiratory Pathogens in Hematopoietic Cellular Transplant Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 524-528	10.2	94
114	Kelch-like Protein 11 Antibodies in Seminoma-Associated Paraneoplastic Encephalitis. <i>New England Journal of Medicine</i> , 2019 , 381, 47-54	59.2	85
113	Rapid pathogen detection by metagenomic next-generation sequencing of infected body fluids. <i>Nature Medicine</i> , 2021 , 27, 115-124	50.5	84
112	A novel cause of chronic viral meningoencephalitis: Cache Valley virus. <i>Annals of Neurology</i> , 2017 , 82, 105-114	9.4	83
111	2563. Clinical Metagenomic Next-Generation Sequencing for Diagnosis of Meningitis and Encephalitis. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S72-S72	1	78
110	Acute West Nile Virus Meningoencephalitis Diagnosed Via Metagenomic Deep Sequencing of Cerebrospinal Fluid in a Renal Transplant Patient. <i>American Journal of Transplantation</i> , 2017 , 17, 803-808	8.7	67
109	Role of lung-marginated monocytes in an in vivo mouse model of ventilator-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 914-22	10.2	63
108	Diagnosis of Fatal Human Case of St. Louis Encephalitis Virus Infection by Metagenomic Sequencing, California, 2016. <i>Emerging Infectious Diseases</i> , 2017 , 23, 1964-1968	10.2	56
107	Naloxone has no effect on nitrous oxide anesthesia. <i>Anesthesiology</i> , 1978 , 49, 6-8	4.3	55
106	Pan-viral serology implicates enteroviruses in acute flaccid myelitis. <i>Nature Medicine</i> , 2019 , 25, 1748-1753	30.5	54
105	Differential roles of p55 and p75 tumor necrosis factor receptors on stretch-induced pulmonary edema in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 293, L60-8	5.8	51
104	Clonally Expanded B Cells in Multiple Sclerosis Bind EBV EBNA1 and GialCAM.. <i>Nature</i> , 2022 ,	50.4	51
103	Expanded Clinical Phenotype, Oncological Associations, and Immunopathologic Insights of Paraneoplastic Kelch-like Protein-11 Encephalitis. <i>JAMA Neurology</i> , 2020 , 77, 1420-1429	17.2	50
102	Clonal relationships of CSF B cells in treatment-naive multiple sclerosis patients. <i>JCI Insight</i> , 2017 , 2,	9.9	48
101	Gut microbiota-specific IgA B cells traffic to the CNS in active multiple sclerosis. <i>Science Immunology</i> , 2020 , 5,	28	48
100	Hepatitis E Virus-Associated Meningoencephalitis in a Lung Transplant Recipient Diagnosed by Clinical Metagenomic Sequencing. <i>Open Forum Infectious Diseases</i> , 2017 , 4, ofx121	1	46
99	ReScan, a Multiplex Diagnostic Pipeline, Pans Human Sera for SARS-CoV-2 Antigens. <i>Cell Reports Medicine</i> , 2020 , 1, 100123	18	46
98	A pathogenic and clonally expanded B cell transcriptome in active multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22932-22943	11.5	43

97	Ventilation with "clinically relevant" high tidal volumes does not promote stretch-induced injury in the lungs of healthy mice. <i>Critical Care Medicine</i> , 2012 , 40, 2850-7	1.4	40
96	Anti-CD20 therapy depletes activated myelin-specific CD8 T cells in multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 25800-25807	11.5	40
95	Unbiased Metagenomic Sequencing for Pediatric Meningitis in Bangladesh Reveals Neuroinvasive Chikungunya Virus Outbreak and Other Unrealized Pathogens. <i>MBio</i> , 2019 , 10,	7.8	40
94	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. <i>Cell Reports Medicine</i> , 2021 , 2, 100288	18	39
93	Where Do Freestanding Emergency Departments Choose to Locate? A National Inventory and Geographic Analysis in Three States. <i>Annals of Emergency Medicine</i> , 2017 , 69, 383-392.e5	2.1	37
92	Kinetic profiling of in vivo lung cellular inflammatory responses to mechanical ventilation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L912-21	5.8	35
91	Metagenomic next-generation sequencing of samples from pediatric febrile illness in Tororo, Uganda. <i>PLoS ONE</i> , 2019 , 14, e0218318	3.7	33
90	In vivo compartmental analysis of leukocytes in mouse lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L639-52	5.8	33
89	Competitive SARS-CoV-2 Serology Reveals Most Antibodies Targeting the Spike Receptor-Binding Domain Compete for ACE2 Binding. <i>MSphere</i> , 2020 , 5,	5	29
88	Frontotemporal dementia and mania. <i>American Journal of Psychiatry</i> , 2007 , 164, 1811-6	11.9	28
87	Metagenomics for neurological infections - expanding our imagination. <i>Nature Reviews Neurology</i> , 2020 , 16, 547-556	15	28
86	Tendon shift in hallux valgus: observations at MR imaging. <i>Skeletal Radiology</i> , 1996 , 25, 519-24	2.7	26
85	Treatment Outcomes for T4 Oropharyngeal Squamous Cell Carcinoma. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2015 , 141, 1118-27	3.9	24
84	Association of Ocular Inflammation and Rubella Virus Persistence. <i>JAMA Ophthalmology</i> , 2019 , 137, 435-438	3.9	24
83	Stroke incidence is highest in women and non-Hispanic blacks living with HIV in the AIDS Clinical Trials Group Longitudinal Linked Randomized Trials cohort. <i>Aids</i> , 2018 , 32, 1125-1135	3.5	23
82	Inflammatory mechanisms of ventilator-induced lung injury: a time to stop and think?. <i>Anaesthesia</i> , 2013 , 68, 175-8	6.6	23
81	A tale of two approaches: how metagenomics and proteomics are shaping the future of encephalitis diagnostics. <i>Current Opinion in Neurology</i> , 2015 , 28, 283-7	7.1	23
80	ATP redirects cytokine trafficking and promotes novel membrane TNF signaling microvesicles. <i>FASEB Journal</i> , 2019 , 33, 6442-6455	0.9	22

79	Humoral immune response following SARS-CoV-2 mRNA vaccination concomitant to anti-CD20 therapy in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 56, 103251	4	22
78	Fatal Powassan Encephalitis (Deer Tick Virus, Lineage II) in a Patient With Fever and Orchitis Receiving Rituximab. <i>JAMA Neurology</i> , 2018 , 75, 746-750	17.2	21
77	Posterior lip sclerectomy vs trabeculectomy in West Indian blacks. <i>JAMA Ophthalmology</i> , 1989 , 107, 1604-8		20
76	Severe Epididymo-Orchitis and Encephalitis Complicating Anti-PD-1 Therapy. <i>Oncologist</i> , 2019 , 24, 872-876	3.6	20
75	Emerging viral infections. <i>Current Opinion in Neurology</i> , 2013 , 26, 301-6	7.1	19
74	Metagenomic deep sequencing of aqueous fluid detects intraocular lymphomas. <i>British Journal of Ophthalmology</i> , 2018 , 102, 6-8	5.5	19
73	MRI Atlas-Based Measurement of Spinal Cord Injury Predicts Outcome in Acute Flaccid Myelitis. <i>American Journal of Neuroradiology</i> , 2017 , 38, 410-417	4.4	18
72	Using a non-invasive assessment of lung injury in a murine model of acute lung injury. <i>BMJ Open Respiratory Research</i> , 2014 , 1, e000014	5.6	18
71	Neurologic Complications of Common Variable Immunodeficiency. <i>Journal of Clinical Immunology</i> , 2016 , 36, 793-800	5.7	18
70	Eastern Equine Encephalitis Treated With Intravenous Immunoglobulins. <i>Neurohospitalist, The</i> , 2016 , 6, 29-31	1.1	16
69	Multiple sclerosis therapies differentially impact SARS-CoV-2 vaccine-induced antibody and T cell immunity and function.. <i>JCI Insight</i> , 2022 ,	9.9	15
68	High-Fat Feeding Protects Mice From Ventilator-Induced Lung Injury, Via Neutrophil-Independent Mechanisms. <i>Critical Care Medicine</i> , 2017 , 45, e831-e839	1.4	14
67	Multiplexed Metagenomic Deep Sequencing To Analyze the Composition of High-Priority Pathogen Reagents. <i>MSystems</i> , 2016 , 1,	7.6	14
66	High-resolution epitope mapping of anti-Hu and anti-Yo autoimmunity by programmable phage display. <i>Brain Communications</i> , 2020 , 2, fcaa059	4.5	13
65	Inhibition of TNF Receptor p55 By a Domain Antibody Attenuates the Initial Phase of Acid-Induced Lung Injury in Mice. <i>Frontiers in Immunology</i> , 2017 , 8, 128	8.4	13
64	Intra-alveolar neutrophil-derived microvesicles are associated with disease severity in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L73-L83	5.8	13
63	Diseases of the central nervous system caused by lymphocytic choriomeningitis virus and other arenaviruses. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2014 , 123, 671-81	3	12
62	Longitudinally persistent cerebrospinal fluid B cells can resist treatment in multiple sclerosis. <i>JCI Insight</i> , 2019 , 4,	9.9	12

61	Exploratory neuroimmune profiling identifies CNS-specific alterations in COVID-19 patients with neurological involvement 2020 ,		12
60	Impact of Urgent Care Openings on Emergency Department Visits to Two Academic Medical Centers Within an Integrated Health Care System. <i>Annals of Emergency Medicine</i> , 2020 , 75, 382-391	2.1	11
59	STROBE-metagenomics: a STROBE extension statement to guide the reporting of metagenomics studies. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, e251-e260	25.5	11
58	Detection of Cryptococcus DNA by Metagenomic Next-generation Sequencing in Symptomatic Cryptococcal Antigenemia. <i>Clinical Infectious Diseases</i> , 2019 , 68, 1978-1979	11.6	11
57	Impact of multiple sclerosis disease-modifying therapies on SARS-CoV-2 vaccine-induced antibody and T cell immunity 2021 ,		11
56	Fujifilm SILVAMP TB LAM Assay on Cerebrospinal Fluid for the Detection of Tuberculous Meningitis in Adults With Human Immunodeficiency Virus. <i>Clinical Infectious Diseases</i> , 2021 , 73, e3428-e3434	11.6	11
55	Intrathecal B-cell activation in LGI1 antibody encephalitis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	10
54	Antiretroviral medication errors were universal in hospitalized HIV-seropositive patients at a teaching hospital. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2001 , 28, 496	3.1	10
53	A SARS-CoV-2 serological assay to determine the presence of blocking antibodies that compete for human ACE2 binding 2020 ,		10
52	Genomic and serologic characterization of enterovirus A71 brainstem encephalitis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	10
51	ReScan, a Multiplex Diagnostic Pipeline, Pans Human Sera for SARS-CoV-2 Antigens		9
50	Emerging Diagnostic and Therapeutic Tools for Central Nervous System Infections. <i>JAMA Neurology</i> , 2016 , 73, 1389-1390	17.2	8
49	Diagnostic Testing of Neurologic Infections. <i>Neurologic Clinics</i> , 2018 , 36, 687-703	4.5	8
48	Remission of Subacute Psychosis in a COVID-19 Patient With an Antineuronal Autoantibody After Treatment With Intravenous Immunoglobulin. <i>Biological Psychiatry</i> , 2021 , 90, e23-e26	7.9	8
47	Exploratory analysis of the potential for advanced diagnostic testing to reduce healthcare expenditures of patients hospitalized with meningitis or encephalitis. <i>PLoS ONE</i> , 2020 , 15, e0226895	3.7	7
46	Pleocytosis is not fully responsible for low CSF glucose in meningitis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e425	9.1	7
45	Acute lower motor neuron syndrome and spinal cord gray matter hyperintensities in HIV infection. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2015 , 2, e113	9.1	7
44	Issues and updates in emerging neurologic viral infections. <i>Seminars in Neurology</i> , 2011 , 31, 245-53	3.2	7

43	Use of intravascular carbon dioxide gas to demonstrate interatrial septal defects. <i>American Journal of Physiology</i> , 1958 , 195, 579-85		7
42	Clinicopathology conference: 41-year-old woman with chronic relapsing meningitis. <i>Annals of Neurology</i> , 2019 , 85, 161-169	9.4	7
41	Fatal Case of Chronic Jamestown Canyon Virus Encephalitis Diagnosed by Metagenomic Sequencing in Patient Receiving Rituximab. <i>Emerging Infectious Diseases</i> , 2021 , 27,	10.2	7
40	The value of different screening techniques for glaucoma. <i>Current Opinion in Ophthalmology</i> , 1994 , 5, 69-75	5.1	6
39	Spinal cord atrophy predicts progressive disease in relapsing multiple sclerosis. <i>Annals of Neurology</i> , 2021 ,	9.4	6
38	Neurite Orientation Dispersion and Density Imaging for Assessing Acute Inflammation and Lesion Evolution in MS. <i>American Journal of Neuroradiology</i> , 2020 , 41, 2219-2226	4.4	5
37	Exploratory proteomic analysis implicates the alternative complement cascade in primary CNS vasculitis. <i>Neurology</i> , 2019 , 93, e433-e444	6.5	5
36	Cell type-specific transcriptomics identifies neddylation as a novel therapeutic target in multiple sclerosis. <i>Brain</i> , 2021 , 144, 450-461	11.2	5
35	Etiology of fever in Ugandan children: identification of microbial pathogens using metagenomic next-generation sequencing and IDseq, a platform for unbiased metagenomic analysis		5
34	First clinical and myopathological description of a myofibrillar myopathy with congenital onset and homozygous mutation in FLNC. <i>Human Mutation</i> , 2020 , 41, 1600-1614	4.7	4
33	To grow or not to grow, That is the question. <i>Surgical Neurology International</i> , 2013 , 4, S407-10	1	4
32	Central Nervous System Virus Infection in African Children with Cerebral Malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 200-205	3.2	4
31	Integrating Host Response and Unbiased Microbe Detection for Lower Respiratory Tract Infection Diagnosis in Critically Ill Adults		4
30	Next-generation sequencing of tissue: A logical extension. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016 , 3, e261	9.1	3
29	Meningitis Caused by the Live Varicella Vaccine Virus: Metagenomic Next Generation Sequencing, Immunology Exome Sequencing and Cytokine Multiplex Profiling. <i>Viruses</i> , 2021 , 13,	6.2	3
28	Global Absence and Targeting of Protective Immune States in Severe COVID-19 2020 ,		3
27	Chronic Meningitis. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2018 , 24, 1298-1326	3	3
26	Exploration of Anti-Yo and Anti-Hu paraneoplastic neurological disorders by PHP-Seq reveals a highly restricted pattern of antibody epitopes		3

25	Unbiased metagenomic sequencing for pediatric meningitis in Bangladesh reveals neuroinvasive Chikungunya virus outbreak and other unrealized pathogens		3
24	Baylisascaris procyonis-Associated Meningoencephalitis in a Previously Healthy Adult, California, USA. <i>Emerging Infectious Diseases</i> , 2016 , 22, 1480-4	10.2	3
23	Microvesicles as new therapeutic targets for the treatment of the acute respiratory distress syndrome (ARDS). <i>Expert Opinion on Therapeutic Targets</i> , 2019 , 23, 931-941	6.4	2
22	Infectious diseases and impaired consciousness. <i>Neurologic Clinics</i> , 2011 , 29, 927-42	4.5	2
21	Human Paramyxoviruses and Infections of the Central Nervous System 2013 , 341-372		2
20	Immunophenotyping assessment in a COVID-19 cohort (IMPACC): A prospective longitudinal study. <i>Science Immunology</i> , 2021 , 6,	28	2
19	Long-term MRI changes in a patient with Kelch-like protein 11-associated paraneoplastic neurological syndrome. <i>European Journal of Neurology</i> , 2021 , 28, 4261-4266	6	2
18	Translating research into practice: controlled clinical trials and their influence on glaucoma management. <i>Journal of Glaucoma</i> , 1996 , 5, 139-46	2.1	2
17	Integrating central nervous system metagenomics and host response for diagnosis of tuberculosis meningitis and its mimics.. <i>Nature Communications</i> , 2022 , 13, 1675	17.4	2
16	Specific hypomethylation programs underpin B cell activation in early multiple sclerosis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
15	Neuroglial stem cell-derived inflammatory pseudotumor (n-SCIPT): clinicopathologic characterization of a novel lesion of the lumbosacral spinal cord and nerve roots following intrathecal allogeneic stem cell intervention. <i>Acta Neuropathologica</i> , 2019 , 138, 1103-1106	14.3	1
14	Whole-Genome mRNA Gene Expression Differs Between Patients With and Without Delirium. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2018 , 31, 203-210	3.8	1
13	Global Absence and Targeting of Protective Immune States in Severe COVID-19 2020 ,		1
12	Enteroviruses: the elephants in the room. <i>Lancet Infectious Diseases</i> , 2020 , 20, 153-155	25.5	1
11	Elevated N-Linked Glycosylation of IgG V Regions in Myasthenia Gravis Disease Subtypes. <i>Journal of Immunology</i> , 2021 , 207, 2005-2014	5.3	1
10	ZSCAN1 autoantibodies are associated with pediatric paraneoplastic ROHHAD.. <i>Annals of Neurology</i> , 2022 ,	9.4	1
9	Case Report: A False Negative Case of Anti-Yo Paraneoplastic Myelopathy. <i>Frontiers in Neurology</i> , 2021 , 12, 728700	4.1	0
8	Heart Failure Admission Service Triage (H-FAST) Study: Racialized Differences in Perceived Patient Self-Advocacy as a Driver of Admission Inequities. <i>Cureus</i> , 2021 , 13, e13381	1.2	0

7	Detection of Neoplasms by Metagenomic Next-Generation Sequencing of Cerebrospinal Fluid. <i>JAMA Neurology</i> , 2021 , 78, 1355-1366	17.2	○
6	A Rare Bird: Diagnosis of Psittacosis Meningitis by Clinical Metagenomic Next-Generation Sequencing.. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab555	1	○
5	Microvesicle-Mediated Communication Within the Alveolar Space: Mechanisms of Uptake by Epithelial Cells and Alveolar Macrophages.. <i>Frontiers in Immunology</i> , 2022 , 13, 853769	8.4	○
4	ANA Investigates: Pioneering Unbiased Diagnostics. <i>Annals of Neurology</i> , 2020 , 87, 327-328	9.4	
3	Misinterpretation of Study Data-Reply. <i>JAMA Neurology</i> , 2019 , 76, 113-114	17.2	
2	Chronic Meningitis 2021 , 839-851		
1	Reply to "Spinal cord atrophy is a preclinical marker of progressive MS".. <i>Annals of Neurology</i> , 2022 ,	9.4	