

# Marcus Koch

## 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.

97 papers	3,210 citations	32 h-index	54 g-index
104 ext. papers	3,714 ext. citations	6.3 avg, IF	5.11 L-index

#	Paper	IF	Citations
97	Serum HGF and APN2 are associated with disability worsening in SPMS.. <i>Journal of Neuroimmunology</i> , <b>2021</b> , 364, 577803	3.5	0
96	Advanced Analysis of Diffusion Tensor Imaging Along With Machine Learning Provides New Sensitive Measures of Tissue Pathology and Intra-Lesion Activity in Multiple Sclerosis. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 634063	5.1	1
95	Reliability of Outcome Measures in Clinical Trials in Secondary Progressive Multiple Sclerosis. <i>Neurology</i> , <b>2021</b> , 96, e111-e120	6.5	11
94	An enrichment strategy for clinical trials in SPMS. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 27, 1884-1893	5	1
93	A comparison of clinical outcomes in PPMS in the INFORMS original trial data set. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 27, 1864-1874	5	2
92	Is the Symbol Digit Modalities Test a useful outcome in secondary progressive multiple sclerosis?. <i>European Journal of Neurology</i> , <b>2021</b> , 28, 2115-2120	6	3
91	Repurposing Domperidone in Secondary Progressive Multiple Sclerosis: A Simon 2-Stage Phase 2 Futility Trial. <i>Neurology</i> , <b>2021</b> , 96, e2313-e2322	6.5	4
90	MRI brain volume loss, lesion burden, and clinical outcome in secondary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 13524585211031801	5	0
89	Comparison of the EDSS, Timed 25-Foot Walk, and the 9-Hole Peg Test as Clinical Trial Outcomes in Relapsing-Remitting Multiple Sclerosis. <i>Neurology</i> , <b>2021</b> , 97, e1560-e1570	6.5	4
88	Smoking, obesity, and disability worsening in PPMS: an analysis of the INFORMS original trial dataset. <i>Journal of Neurology</i> , <b>2021</b> , 1	5.5	1
87	Association of Age With Contrast-Enhancing Lesions Across the Multiple Sclerosis Disease Spectrum. <i>Neurology</i> , <b>2021</b> , 97, e1334-e1342	6.5	2
86	Hydroxychloroquine for Primary Progressive Multiple Sclerosis. <i>Annals of Neurology</i> , <b>2021</b> , 90, 940-948	9.4	5
85	Combination of Hydroxychloroquine and Indapamide Attenuates Neurodegeneration in Models Relevant to Multiple Sclerosis. <i>Neurotherapeutics</i> , <b>2021</b> , 18, 387-400	6.4	5
84	Impact of clinical outcomes and imaging measures on health-related quality of life in secondary progressive MS.. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 13524585211063623	5	
83	Gadolinium enhancement on cranial MRI in multiple sclerosis is age dependent. <i>Journal of Neurology</i> , <b>2020</b> , 267, 2619-2624	5.5	5
82	Hemorrhagic encephalopathy associated with COVID-19. <i>Journal of Neuroimmunology</i> , <b>2020</b> , 346, 577326	5.5	21
81	Aging-Exacerbated Acute Axon and Myelin Injury Is Associated with Microglia-Derived Reactive Oxygen Species and Is Alleviated by the Generic Medication Indapamide. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 8587-8600	6.6	3

80	Clinical outcome measures in SPMS trials: An analysis of the IMPACT and ASCEND original trial data sets. <i>Multiple Sclerosis Journal</i> , <b>2020</b> , 26, 1540-1549	5	16
79	Domperidone-induced elevation of serum prolactin levels and immune response in multiple sclerosis. <i>Journal of Neuroimmunology</i> , <b>2019</b> , 334, 576974	3.5	4
78	Clinical Reasoning: A pregnant woman with chin numbness. <i>Neurology</i> , <b>2019</b> , 92, e996-e999	6.5	
77	Global transcriptome profiling of mild relapsing-remitting versus primary progressive multiple sclerosis. <i>European Journal of Neurology</i> , <b>2018</b> , 25, 651-658	6	11
76	Unexpected additive effects of minocycline and hydroxychloroquine in models of multiple sclerosis: Prospective combination treatment for progressive disease?. <i>Multiple Sclerosis Journal</i> , <b>2018</b> , 24, 1543-1556	5	21
75	Genetic characterization of measles virus genotype D6 subacute sclerosing panencephalitis case, Alberta, Canada. <i>Journal of NeuroVirology</i> , <b>2018</b> , 24, 720-729	3.9	2
74	Smoking does not influence disability accumulation in primary progressive multiple sclerosis. <i>European Journal of Neurology</i> , <b>2017</b> , 24, 624-630	6	4
73	Primary and secondary progressive MS have a similar age at onset of progression - Commentary. <i>Multiple Sclerosis Journal</i> , <b>2017</b> , 23, 642-643	5	1
72	Comparative utility of disability progression measures in PPMS: Analysis of the PROMiSe data set. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2017</b> , 4, e358	9.1	9
71	Systematic screening of generic drugs for progressive multiple sclerosis identifies clomipramine as a promising therapeutic. <i>Nature Communications</i> , <b>2017</b> , 8, 1990	17.4	31
70	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. <i>Nature Communications</i> , <b>2016</b> , 7, 11312	17.4	121
69	Subacute sclerosing panencephalitis in pregnancy. <i>Lancet Infectious Diseases, The</i> , <b>2016</b> , 16, 366-75	25.5	8
68	Serum NSE level and disability progression in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , <b>2015</b> , 350, 46-50	3.2	12
67	Depression in multiple sclerosis: a long-term longitudinal study. <i>Multiple Sclerosis Journal</i> , <b>2015</b> , 21, 76-83	5.8	
66	Hydroxychloroquine reduces microglial activity and attenuates experimental autoimmune encephalomyelitis. <i>Journal of the Neurological Sciences</i> , <b>2015</b> , 358, 131-7	3.2	33
65	Jerking & confused: Leucine-rich glioma inactivated 1 receptor encephalitis. <i>Journal of Neuroimmunology</i> , <b>2015</b> , 289, 84-6	3.5	12
64	The natural history of early versus late disability accumulation in primary progressive MS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2015</b> , 86, 615-21	5.5	15
63	Validity of four screening scales for major depression in MS. <i>Multiple Sclerosis Journal</i> , <b>2015</b> , 21, 1064-71	5	63

62	The promise of futility trials in neurological diseases. <i>Nature Reviews Neurology</i> , <b>2015</b> , 11, 300-5	15	11
61	Long-term persistence with injectable therapy in relapsing-remitting multiple sclerosis: an 18-year observational cohort study. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123824	3.7	21
60	Hand dexterity and direct disease related cost in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , <b>2014</b> , 341, 51-4	3.2	13
59	MS incidence and prevalence in Africa, Asia, Australia and New Zealand: A systematic review. <i>Multiple Sclerosis and Related Disorders</i> , <b>2014</b> , 3, 48-60	4	25
58	Treatment trials in progressive MS--current challenges and future directions. <i>Nature Reviews Neurology</i> , <b>2013</b> , 9, 496-503	15	35
57	Quetiapine fumarate for the treatment of multiple sclerosis: focus on myelin repair. <i>CNS Neuroscience and Therapeutics</i> , <b>2013</b> , 19, 737-44	6.8	34
56	Incidence and prevalence of multiple sclerosis in Europe: a systematic review. <i>BMC Neurology</i> , <b>2013</b> , 13, 128	3.1	289
55	Environmental factors and their regulation of immunity in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , <b>2013</b> , 324, 10-6	3.2	51
54	Incidence and prevalence of multiple sclerosis in the Americas: a systematic review. <i>Neuroepidemiology</i> , <b>2013</b> , 40, 195-210	5.4	138
53	Performance on Paced Auditory Serial Addition Test and cerebral blood flow in multiple sclerosis. <i>Acta Neurologica Scandinavica</i> , <b>2013</b> , 128, e26-9	3.8	13
52	Epigenetic changes in patients with multiple sclerosis. <i>Nature Reviews Neurology</i> , <b>2013</b> , 9, 35-43	15	106
51	Epigenetics and miRNAs in the diagnosis and treatment of multiple sclerosis. <i>Trends in Molecular Medicine</i> , <b>2013</b> , 19, 23-30	11.5	33
50	Cerebral white matter blood flow and energy metabolism in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2013</b> , 19, 1282-9	5	32
49	Lack of association between serum uric acid levels and outcome in acute ischemic stroke. <i>Journal of the Neurological Sciences</i> , <b>2012</b> , 319, 51-5	3.2	28
48	Thrombolytic therapy for ischaemic stroke in patients using warfarin: a systematic review and meta-analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2012</b> , 83, 537-40	5.5	18
47	Pharmacologic treatment of depression in multiple sclerosis. <i>The Cochrane Library</i> , <b>2011</b> , CD007295	5.2	40
46	The natural history of secondary progressive multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2010</b> , 81, 1039-43	5.5	135
45	Cardiotoxicity and other adverse events associated with mitoxantrone treatment for MS. <i>Neurology</i> , <b>2010</b> , 74, 1822-6	6.5	69

44	Disease onset in familial and sporadic primary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2010</b> , 16, 694-700	5	12
43	T2 lesions and rate of progression of disability in multiple sclerosis. <i>European Journal of Neurology</i> , <b>2010</b> , 17, 1471-5	6	18
42	Reduced creatine kinase B activity in multiple sclerosis normal appearing white matter. <i>PLoS ONE</i> , <b>2010</b> , 5, e10811	3.7	36
41	Oxcarbazepine versus carbamazepine monotherapy for partial onset seizures. <i>The Cochrane Library</i> , <b>2009</b> , CD006453	5.2	18
40	Parity and secondary progression in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2009</b> , 80, 676-8	5.5	53
39	Fatigue, depression and disability accumulation in multiple sclerosis: a cross-sectional study. <i>European Journal of Neurology</i> , <b>2009</b> , 16, 348-52	6	27
38	Does smoking influence outcome after intravenous thrombolysis for acute ischaemic stroke?. <i>European Journal of Neurology</i> , <b>2009</b> , 16, 819-22	6	17
37	Treatment of seizures in multiple sclerosis. <i>The Cochrane Library</i> , <b>2009</b> , CD007150	5.2	3
36	The natural history of primary progressive multiple sclerosis. <i>Neurology</i> , <b>2009</b> , 73, 1996-2002	6.5	111
35	Hypoperfusion of the cerebral white matter in multiple sclerosis: possible mechanisms and pathophysiological significance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2008</b> , 28, 1645-51	7.3	81
34	Therapeutic potential of fluoxetine in neurological disorders. <i>CNS Neuroscience and Therapeutics</i> , <b>2008</b> , 14, 153-64	6.8	78
33	Seizures in multiple sclerosis. <i>Epilepsia</i> , <b>2008</b> , 49, 948-53	6.4	87
32	CSF oligoclonal bands and progression of disability in multiple sclerosis. <i>European Journal of Neurology</i> , <b>2008</b> , 15, e24-e24	6	
31	Progression in familial and nonfamilial MS. <i>Multiple Sclerosis Journal</i> , <b>2008</b> , 14, 300-6	5	11
30	Dysfunctional astrocytes as key players in the pathogenesis of central nervous system disorders. <i>Journal of the Neurological Sciences</i> , <b>2008</b> , 267, 3-16	3.2	178
29	Factors associated with the risk of secondary progression in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2008</b> , 14, 799-803	5	23
28	Timing of birth and disease progression in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2008</b> , 14, 793-8	5	13
27	Peripheral blood leukocyte NO production and oxidative stress in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2008</b> , 14, 159-65	5	18

26	Fatigue, depression and progression in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2008</b> , 14, 815-22	5	36
25	Safety of antiplatelet therapy prior to intravenous thrombolysis in acute ischemic stroke. <i>Archives of Neurology</i> , <b>2008</b> , 65, 607-11		52
24	Pharmacologic treatment of depression in multiple sclerosis <b>2008</b> ,		3
23	Lipid profile, statin use, and outcome after intravenous thrombolysis for acute ischaemic stroke. <i>Journal of Neurology</i> , <b>2008</b> , 255, 875-80	5.5	48
22	Interferon-beta treatment and the natural history of relapsing-remitting multiple sclerosis. <i>Annals of Neurology</i> , <b>2008</b> , 63, 125-6; author reply 126-7	9.4	4
21	Reproducibility over a 1-month period of 1H-MR spectroscopic imaging NAA/Cr ratios in clinically stable multiple sclerosis patients. <i>European Radiology</i> , <b>2008</b> , 18, 1736-40	8	8
20	Plasma S100beta and NSE levels and progression in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , <b>2007</b> , 252, 154-8	3.2	16
19	Progression in multiple sclerosis: further evidence of an age dependent process. <i>Journal of the Neurological Sciences</i> , <b>2007</b> , 255, 35-41	3.2	70
18	Plasma lipid peroxidation and progression of disability in multiple sclerosis. <i>European Journal of Neurology</i> , <b>2007</b> , 14, 529-33	6	55
17	Cerebrospinal fluid oligoclonal bands and progression of disability in multiple sclerosis. <i>European Journal of Neurology</i> , <b>2007</b> , 14, 797-800	6	32
16	Relationship between the extent of T2 lesions and the onset of secondary progression in multiple sclerosis. <i>European Journal of Neurology</i> , <b>2007</b> , 14, 1210-5	6	7
15	Tremor in multiple sclerosis. <i>Journal of Neurology</i> , <b>2007</b> , 254, 133-45	5.5	135
14	Moderate hyperglycaemia is associated with favourable outcome in acute lacunar stroke. <i>Brain</i> , <b>2007</b> , 130, 1626-30	11.2	81
13	Reply: Hyperglycaemia and the outcome of stroke. <i>Brain</i> , <b>2007</b> , 130, e86-e86	11.2	
12	Treatment with interferon beta-1b delays conversion to clinically definite and McDonald MS in patients with clinically isolated syndromes. <i>Neurology</i> , <b>2007</b> , 68, 1163; author reply 1163-4	6.5	9
11	Oxcarbazepine versus carbamazepine monotherapy for partial onset seizures <b>2007</b> ,		1
10	Cigarette smoking and progression in multiple sclerosis. <i>Neurology</i> , <b>2007</b> , 69, 1515-20	6.5	70
9	Uric acid in multiple sclerosis. <i>Neurological Research</i> , <b>2006</b> , 28, 316-9	2.7	29

8	Plasma homocysteine levels in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2006</b> , 77, 189-92	5.5	68
7	Surgical resection in metastatic spinal cord compression. <i>Lancet, The</i> , <b>2006</b> , 367, 109; author reply 109-10	10.0	5
6	Erythrocyte membrane fatty acids in benign and progressive forms of multiple sclerosis. <i>Journal of the Neurological Sciences</i> , <b>2006</b> , 244, 123-6	3.2	14
5	Irreversible neurological worsening following high-dose corticosteroids in advanced progressive multiple sclerosis. <i>Clinical Neuropharmacology</i> , <b>2006</b> , 29, 18-9	1.4	1
4	Oxidative stress in serum and peripheral blood leukocytes in patients with different disease courses of multiple sclerosis. <i>Journal of Neurology</i> , <b>2006</b> , 253, 483-7	5.5	71
3	Paroxysmal focal dystonia with sensory symptoms secondary to cortical oligoastrocytoma. <i>Journal of Neurology</i> , <b>2006</b> , 253, 1227-8	5.5	3
2	A fatal demyelinating illness in a young woman 10 weeks post partum. <i>Lancet Neurology, The</i> , <b>2005</b> , 4, 129-34	24.1	10
1	Transmission of Chlamydia pneumoniae infection from blood monocytes to vascular cells in a novel transendothelial migration model. <i>FEMS Microbiology Letters</i> , <b>2005</b> , 242, 203-8	2.9	18