

# Matthew D Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,906  
citations

361296  
20  
h-index

289141  
40  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2670  
citing authors

#	ARTICLE	IF	CITATIONS
1	A lymphocyteâ€“microgliaâ€“astrocyte axis in chronic active multiple sclerosis. <i>Nature</i> , 2021, 597, 709-714.	13.7	307
2	Oligodendrocyte precursor cells present antigen and are cytotoxic targets in inflammatory demyelination. <i>Nature Communications</i> , 2019, 10, 3887.	5.8	245
3	Tumor suppressor TET2 promotes cancer immunity and immunotherapy efficacy. <i>Journal of Clinical Investigation</i> , 2019, 129, 4316-4331.	3.9	143
4	PET imaging of microglia by targeting macrophage colony-stimulating factor 1 receptor (CSF1R). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1686-1691.	3.3	140
5	Bile acid metabolism is altered in multiple sclerosis and supplementation ameliorates neuroinflammation. <i>Journal of Clinical Investigation</i> , 2020, 130, 3467-3482.	3.9	109
6	Transfer of Myelin-Reactive Th17 Cells Impairs Endogenous Remyelination in the Central Nervous System of Cuprizone-Fed Mice. <i>Journal of Neuroscience</i> , 2015, 35, 8626-8639.	1.7	86
7	Discordant humoral and T cell immune responses to SARS-CoV-2 vaccination in people with multiple sclerosis on anti-CD20 therapy. <i>EBioMedicine</i> , 2021, 73, 103636.	2.7	85
8	Lineage tracing reveals dynamic changes in oligodendrocyte precursor cells following cuprizoneâ€“induced demyelination. <i>Glia</i> , 2017, 65, 2087-2098.	2.5	81
9	Systemic infection modifies the neuroinflammatory response in late stage Alzheimerâ€™s disease. <i>Acta Neuropathologica Communications</i> , 2018, 6, 88.	2.4	52
10	Glial pathology and retinal neurotoxicity in the anterior visual pathway in experimental autoimmune encephalomyelitis. <i>Acta Neuropathologica Communications</i> , 2019, 7, 125.	2.4	47
11	Single-cell transcriptomic reveals molecular diversity and developmental heterogeneity of human stem cell-derived oligodendrocyte lineage cells. <i>Nature Communications</i> , 2021, 12, 652.	5.8	47
12	Trial of intrathecal rituximab in progressive multiple sclerosis patients with evidence of leptomeningeal contrast enhancement. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 30, 136-140.	0.9	45
13	Bryostatin-1 alleviates experimental multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2186-2191.	3.3	40
14	Dimethyl fumarate treatment induces lipid metabolism alterations that are linked to immunological changes. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 33-45.	1.7	39
15	Complement component 3 from astrocytes mediates retinal ganglion cell loss during neuroinflammation. <i>Acta Neuropathologica</i> , 2021, 142, 899-915.	3.9	39
16	The antiobesity factor <i>Wdpc1</i> suppresses adipogenesis via the <i>CRL4<sup>Wdpc1</sup></i> E3 ligase. <i>EMBO Reports</i> , 2016, 17, 638-647.	2.0	37
17	Early complement genes are associated with visual system degeneration in multiple sclerosis. <i>Brain</i> , 2019, 142, 2722-2736.	3.7	30
18	USP15 suppresses tumor immunity via deubiquitylation and inactivation of TET2. <i>Science Advances</i> , 2020, 6, .	4.7	28

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19	iPSCs from people with MS can differentiate into oligodendrocytes in a homeostatic but not an inflammatory milieu. PLoS ONE, 2020, 15, e0233980.	1.1	28
20	CRL4 <sup>DCAF1/VprBP</sup> E3 ubiquitin ligase controls ribosome biogenesis, cell proliferation, and development. Science Advances, 2020, 6, .	4.7	27
21	Multi-omic evaluation of metabolic alterations in multiple sclerosis identifies shifts in aromatic amino acid metabolism. Cell Reports Medicine, 2021, 2, 100424.	3.3	26
22	Inhibition of neutral sphingomyelinase 2 promotes remyelination. Science Advances, 2020, 6, .	4.7	23
23	Diffusionâ€time dependence of diffusional kurtosis in the mouse brain. Magnetic Resonance in Medicine, 2020, 84, 1564-1578.	1.9	22
24	NLRX1 inhibits the early stages of CNS inflammation and prevents the onset of spontaneous autoimmunity. PLoS Biology, 2019, 17, e3000451.	2.6	21
25	Disparate Effects of Mesenchymal Stem Cells in Experimental Autoimmune Encephalomyelitis and Cuprizone-Induced Demyelination. PLoS ONE, 2015, 10, e0139008.	1.1	20
26	CNS-targeted autoimmunity leads to increased influenza mortality in mice. Journal of Experimental Medicine, 2017, 214, 297-307.	4.2	16
27	Proteomic Alterations and Novel Markers of Neurotoxic Reactive Astrocytes in Human Induced Pluripotent Stem Cell Models. Frontiers in Molecular Neuroscience, 2022, 15, 870085.	1.4	15
28	Expanding Acute Stroke Care in Rural America: A Model for Statewide Success. Telemedicine Journal and E-Health, 2020, 26, 865-871.	1.6	13
29	Glutamine antagonism attenuates physical and cognitive deficits in a model of MS. Neurology: Neuroimmunology and Neuroinflammation, 2019, 6, .	3.1	12
30	Quetiapine has an additive effect to triiodothyronine in inducing differentiation of oligodendrocyte precursor cells through induction of cholesterol biosynthesis. PLoS ONE, 2019, 14, e0221747.	1.1	11
31	Therapeutic Potential of a Novel Glucagon-like Peptide-1 Receptor Agonist, NLY01, in Experimental Autoimmune Encephalomyelitis. Neurotherapeutics, 2021, 18, 1834-1848.	2.1	11
32	Experience of establishing an acute geriatric outreach service versus subacute service to nursing homes. Internal Medicine Journal, 2018, 48, 1396-1399.	0.5	10
33	Therapeutic nihilism of neurological diseases: A comparative qualitative study. Journal of Clinical Neuroscience, 2019, 69, 124-131.	0.8	7
34	Association of Serum Neurofilament Light Chain With Inner Retinal Layer Thinning in Multiple Sclerosis. Neurology, 2022, 99, .	1.5	7
35	Exercise leads to metabolic changes associated with improved strength and fatigue in people with MS. Annals of Clinical and Translational Neurology, 2021, 8, 1308-1317.	1.7	6
36	Reactive Astrocytes Derived From Human Induced Pluripotent Stem Cells Suppress Oligodendrocyte Precursor Cell Differentiation. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	6

#	ARTICLE	IF	CITATIONS
37	Fragility fractures: A complex interaction of the health care system- the patient and the bone: Can we do better?. Injury, 2017, 48, S1-S3.	0.7	4
38	Nonmyeloablative Allogeneic Transplantation With Post-Transplant Cyclophosphamide for Acute Myeloid Leukemia With IDH Mutations: A Single Center Experience. Clinical Lymphoma, Myeloma and Leukemia, 2022, 22, 260-269.	0.2	4
39	Type of serum collection tube does not impact neurofilament light chain levels. Multiple Sclerosis and Related Disorders, 2022, 59, 103676.	0.9	2
40	Retinal pathology in spontaneous opticospinal experimental autoimmune encephalitis mice. Journal of Neuroimmunology, 2022, 367, 577859.	1.1	2
41	Segmentation and generation of patient-specific 3D models of anatomy for surgical simulation. Studies in Health Technology and Informatics, 2004, 98, 360-2.	0.2	0
42	Linoleic Acid Reduces Oxidative Phosphorylation and Impairs Early Differentiation of MC3T3-E1 Osteoblast Precursor Cells. Current Developments in Nutrition, 2022, 6, 452.	0.1	0