Michael G Schlossmacher

List of Publications by Year
in descending order

82 papers	13,289 citations	38742 50 h-index	64796 79 g-index
91 all docs	91 docs citations	91 times ranked	12417 citing authors

#	Article	IF	Citations
1	BATL: Bayesian annotations for targeted lipidomics. Bioinformatics, 2022, 38, 1593-1599.	4.1	3
2	Age-associated insolubility of parkin in human midbrain is linked to redox balance and sequestration of reactive dopamine metabolites. Acta Neuropathologica, 2021, 141, 725-754.	7.7	32
3	Neurodegeneration: Impact of S-nitrosylated Parkin, DJ-1 and PINK1 on the pathogenesis of Parkinson's disease. Archives of Biochemistry and Biophysics, 2021, 704, 108869.	3.0	16
4	Alpha-synuclein research: defining strategic moves in the battle against Parkinsonâ€™s disease. Npj Parkinson's Disease, 2021, 7, 65.	5.3	74
5	Ripk3 licenced protection against microbial infection in the absence of Caspase1-11 inflammasome. Microbes and Infection, 2020, 22, 40-45.	1.9	7
6	Conversations With Dr. Oleh Hornykiewicz, Founding Father of the Dopamine Era in Parkinson's: How Do You Wish to Be Remembered?. Movement Disorders, 2020, 35, 1922-1932.	3.9	0
7	AÎ² oligomers induce pathophysiological mGluR5 signaling in Alzheimerâ€™s disease model mice in a sex-selective manner. Science Signaling, 2020, 13, .	3.6	45
8	Microglia depletion prior to lipopolysaccharide and paraquat treatment differentially modulates behavioral and neuronal outcomes in wild type and G2019S LRRK2 knock-in mice. Brain, Behavior, & Immunity - Health, 2020, 5, 100079.	2.5	9
9	Performance report for a 10-year-old MD/PhD Program: A survey of trainees at the University of Ottawa. Clinical and Investigative Medicine, 2020, 43, E1-13.	0.6	2
10	Canadian guideline for Parkinson disease. Cmaj, 2019, 191, E989-E1004.	2.0	90
11	Lrrk2 alleles modulate inflammation during microbial infection of mice in a sex-dependent manner. Science Translational Medicine, 2019, 11, .	12.4	67
12	DMS as an orthogonal separation to LC/ESI/MS/MS for quantifying isomeric cerebrosides in plasma and cerebrospinal fluid. Journal of Lipid Research, 2019, 60, 200-211.	4.2	15
13	Recommendations of the Global Multiple System Atrophy Research Roadmap Meeting. Neurology, 2018, 90, 74-82.	1.1	23
14	Regulation of myeloid cell phagocytosis by LRRK2 via WAVE2 complex stabilization is altered in Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5164-E5173.	7.1	83
15	Holocranohistochemistry enables the visualization of Î±-synuclein expression in the murine olfactory system and discovery of its systemic anti-microbial effects. Journal of Neural Transmission, 2017, 124, 721-738.	2.8	42
16	Prediction of cognition in Parkinson's disease with a clinicalâ€“genetic score: a longitudinal analysis of nine cohorts. Lancet Neurology, The, 2017, 16, 620-629.	10.2	131
17	Modelling idiopathic Parkinson disease as a complex illness can inform incidence rate in healthy adults: theÂP_REDIGT score. European Journal of Neuroscience, 2017, 45, 175-191.	2.6	17
18	Candidate inflammatory biomarkers display unique relationships with alpha-synuclein and correlate with measures of disease severity in subjects with Parkinsonâ€™s disease. Journal of Neuroinflammation, 2017, 14, 164.	7.2	64

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19	Biological confounders for the values of cerebrospinal fluid proteins in Parkinson's disease and related disorders. Journal of Neurochemistry, 2016, 139, 290-317.	3.9	58
20	A First Tetraplex Assay for the Simultaneous Quantification of Total Î±-Synuclein, Tau, Î²-Amyloid42 and DJ-1 in Human Cerebrospinal Fluid. PLoS ONE, 2016, 11, e0153564.	2.5	6
21	Protective effect of vagotomy suggests source organ for <scp>P</scp>arkinson disease. Annals of Neurology, 2015, 78, 834-835.	5.3	12
22	Fluid biomarkers in multiple system atrophy: A review of the MSA Biomarker Initiative. Neurobiology of Disease, 2015, 80, 29-41.	4.4	71
23	LRRK2 and Nod2 promote lysozyme sorting in Paneth cells. Nature Immunology, 2015, 16, 898-900.	14.5	26
24	Association between Î±-synuclein blood transcripts and early, neuroimaging-supported Parkinsonâ€™s disease. Brain, 2015, 138, 2659-2671.	7.6	69
25	Alphaâ€synuclein in the appendiceal mucosa of neurologically intact subjects. Movement Disorders, 2014, 29, 991-998.	3.9	107
26	Towards translational therapies for multiple system atrophy. Progress in Neurobiology, 2014, 118, 19-35.	5.7	35
27	Respiratory infection of mice with mammalian reoviruses causes systemic infection with age and strain dependent pneumonia and encephalitis. Virology Journal, 2013, 10, 67.	3.4	17
28	Total CSF Î±-synuclein is lower in de novo Parkinson patients than in healthy subjects. Neuroscience Letters, 2013, 532, 44-48.	2.1	130
29	Nonmotor and diagnostic findings in subjects with de novo Parkinson disease of the DeNoPa cohort. Neurology, 2013, 81, 1226-1234.	1.1	153
30	Unrecognized vitamin D ₃ deficiency is common in Parkinson disease. Neurology, 2013, 81, 1531-1537.	1.1	119
31	Parkin-Dependent Degradation of the F-Box Protein Fbw7Î² Promotes Neuronal Survival in Response to Oxidative Stress by Stabilizing Mcl-1. Molecular and Cellular Biology, 2013, 33, 3627-3643.	2.3	62
32	Progressive dopaminergic cell loss with unilateral-to-bilateral progression in a genetic model of Parkinson disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15918-15923.	7.1	72
33	Novel One-step Immunoassays to Quantify Î±-Synuclein. Journal of Biological Chemistry, 2012, 287, 33691-33705.	3.4	51
34	Development of electrochemiluminescence-based singleplex and multiplex assays for the quantification of Î±-synuclein and other proteins in cerebrospinal fluid. Methods, 2012, 56, 514-518.	3.8	30
35	Mutant <i>GBA1</i> Expression and Synucleinopathy Risk: First Insights from Cellular and Mouse Models. Neurodegenerative Diseases, 2012, 10, 195-202.	1.4	26
36	Considerations Regarding the Etiology and Future Treatment of Autosomal Recessive Versus Idiopathic Parkinson Disease. Current Treatment Options in Neurology, 2012, 14, 230-240.	1.8	21

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37	Î±-Synuclein in human cerebrospinal fluid is principally derived from neurons of the central nervous system. Journal of Neural Transmission, 2012, 119, 739-746.	2.8	63
38	Translational Research in Neurology and Neuroscience 2011. Archives of Neurology, 2011, 68, 709-16.	4.5	12
39	Î±-Synuclein and tau concentrations in cerebrospinal fluid of patients presenting with parkinsonism: a cohort study. Lancet Neurology, The, 2011, 10, 230-240.	10.2	573
40	CSF Î±-synuclein, tau, and amyloid Î² in Parkinson's disease â€“ Authors' reply. Lancet Neurology, The, 2011, 10, 681-683.	10.2	4
41	Parkinsonâ€™s disease-linked LRRK2 is expressed in circulating and tissue immune cells and upregulated following recognition of microbial structures. Journal of Neural Transmission, 2011, 118, 795-808.	2.8	230
42	Association of SNCA with Parkinson: Replication in the Harvard NeuroDiscovery Center Biomarker Study. Movement Disorders, 2011, 26, 2283-2286.	3.9	21
43	Acid Î²â€glucosidase mutants linked to gaucher disease, parkinson disease, and lewy body dementia alter Î±â€synuclein processing. Annals of Neurology, 2011, 69, 940-953.	5.3	276
44	CNS expression of glucocerebrosidase corrects Î±-synuclein pathology and memory in a mouse model of Gaucher-related synucleinopathy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12101-12106.	7.1	282
45	CSF synuclein: adding to the biomarker footprint of dementia with Lewy bodies. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 590-591.	1.9	7
46	Biomarker research in Parkinsonâ€™s disease: objective measures needed for patient stratification in future cause-directed trials. Biomarkers in Medicine, 2010, 4, 647-650.	1.4	18
47	Quantification of Î±-synuclein in cerebrospinal fluid as a biomarker candidate: review of the literature and considerations for future studies. Biomarkers in Medicine, 2010, 4, 683-699.	1.4	113
48	Expansion of the Parkinson disease-associated SNCA- Rep1 allele upregulates human Î±-synuclein in transgenic mouse brain. Human Molecular Genetics, 2009, 18, 3274-3285.	2.9	101
49	Increased DJ-1 expression under oxidative stress and in Alzheimer's disease brains. Molecular Neurodegeneration, 2009, 4, 12.	10.8	59
50	Cathepsin D expression level affects alpha-synuclein processing, aggregation, and toxicity in vivo. Molecular Brain, 2009, 2, 5.	2.6	232
51	Multiple system atrophy: A primary oligodendrogliopathy. Annals of Neurology, 2008, 64, 239-246.	5.3	279
52	Direct quantification of CSF Î±-synuclein by ELISA and first cross-sectional study in patients with neurodegeneration. Experimental Neurology, 2008, 213, 315-325.	4.1	334
53	GATA transcription factors directly regulate the Parkinson's disease-linked gene Î±-synuclein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10907-10912.	7.1	251
54	Purification and Quantification of Neural Î±-synuclein. , 2008, , 559-573.		1

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55	Molecular markers of early Parkinson's disease based on gene expression in blood. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 955-960.	7.1	462
56	Serum Heart-Type Fatty Acid-Binding Protein and Cerebrospinal Fluid Tau: Marker Candidates for Dementia with Lewy Bodies. Neurodegenerative Diseases, 2007, 4, 366-375.	1.4	65
57	Parkinson disease, 10 years after its genetic revolution: Multiple clues to a complex disorder. Neurology, 2007, 69, 2093-2104.	1.1	191
58	Chapter 8 Î±-Synuclein and Synucleinopathies. Blue Books of Neurology, 2007, 30, 186-215.	0.1	4
59	Aggregated Â-Synuclein Mediates Dopaminergic Neurotoxicity In Vivo. Journal of Neuroscience, 2007, 27, 3338-3346.	3.6	271
60	Structure of acid Î²-glucosidase with pharmacological chaperone provides insight into Gaucher disease. Nature Chemical Biology, 2007, 3, 101-107.	8.0	213
61	The effects of oxidative stress on parkin and other E3 ligases. Journal of Neurochemistry, 2007, 103, 2354-2368.	3.9	78
62	Deciphering the role of heterozygous mutations in genes associated with parkinsonism. Lancet Neurology, The, 2007, 6, 652-662.	10.2	290
63	Detection of oligomeric forms of Î±â€synuclein protein in human plasma as a potential biomarker for Parkinson's disease. FASEB Journal, 2006, 20, 419-425.	0.5	646
64	Decreased Î±-synuclein in cerebrospinal fluid of aged individuals and subjects with Parkinsonâ€™s disease. Biochemical and Biophysical Research Communications, 2006, 349, 162-166.	2.1	386
65	The genetics of Parkinson disease: implications for neurological care. Nature Clinical Practice Neurology, 2006, 2, 136-146.	2.5	153
66	Parkin Protects against Mitochondrial Toxins and Î²-Amyloid Accumulation in Skeletal Muscle Cells. Journal of Biological Chemistry, 2006, 281, 12809-12816.	3.4	81
67	Phosphorylation of Ser-129 Is the Dominant Pathological Modification of Î±-Synuclein in Familial and Sporadic Lewy Body Disease. Journal of Biological Chemistry, 2006, 281, 29739-29752.	3.4	1,113
68	Parkinson's Disease: Assays for the Ubiquitin Ligase Activity of Neural Parkin. , 2005, 301, 351-370.		15
69	Dopamine covalently modifies and functionally inactivates parkin. Nature Medicine, 2005, 11, 1214-1221.	30.7	658
70	Lewy body Parkinson's disease in a large pedigree with 77Parkin mutation carriers. Annals of Neurology, 2005, 58, 411-422.	5.3	252
71	Synphilin-1 and parkin show overlapping expression patterns in human brain and form aggresomes in response to proteasomal inhibition. Neurobiology of Disease, 2005, 20, 401-411.	4.4	40
72	The glucocerebrosidase gene and Parkinson's disease in Ashkenazi Jews. New England Journal of Medicine, 2005, 352, 728-31; author reply 728-31.	27.0	13

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73	Case 27-2004. New England Journal of Medicine, 2004, 351, 912-922.	27.0	13
74	Dimerization of Parkinson's disease-causing DJ-1 and formation of high molecular weight complexes in human brain. Molecular and Cellular Neurosciences, 2004, 27, 236-246.	2.2	58
75	RING finger 1 mutations in Parkin produce altered localization of the protein. Human Molecular Genetics, 2003, 12, 2957-2965.	2.9	138
76	Parkin Localizes to the Lewy Bodies of Parkinson Disease and Dementia with Lewy Bodies. American Journal of Pathology, 2002, 160, 1655-1667.	3.8	299
77	Colocalization of Parkin with Î±-Synuclein in the Lewy Bodies of Parkinson Disease. Advances in Behavioral Biology, 2002, , 297-300.	0.2	1
78	Ubiquitination of a New Form of Î±-Synuclein by Parkin from Human Brain: Implications for Parkinson's Disease. Science, 2001, 293, 263-269.	12.6	1,033
79	Normal Cellular Processing of the Î²â€Amyloid Precursor Protein Results in the Secretion of the Amyloid Î² Peptide and Related Molecules^a. Annals of the New York Academy of Sciences, 1993, 695, 109-116.	3.8	112
80	Detection of distinct isoform patterns of the Î²-amyloid precursor protein in human platelets and lymphocytes. Neurobiology of Aging, 1992, 13, 421-434.	3.1	61
81	Amyloid Î²-peptide is produced by cultured cells during normal metabolism. Nature, 1992, 359, 322-325.	27.8	1,919
82	Detection of soluble forms of the Î²-amyloid precursor protein in human plasma. Biochemical and Biophysical Research Communications, 1990, 167, 1094-1101.	2.1	71