

# Steve Gentleman

## List of Publications by Year in descending order

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84  
papers

7,947  
citations

76196

40  
h-index

82410

72  
g-index

89  
all docs

89  
docs citations

89  
times ranked

9900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammation after trauma: Microglial activation and traumatic brain injury. <i>Annals of Neurology</i> , 2011, 70, 374-383.	2.8	803
2	Meningeal inflammation is widespread and linked to cortical pathology in multiple sclerosis. <i>Brain</i> , 2011, 134, 2755-2771.	3.7	685
3	Evidence for $\alpha$ -synuclein prions causing multiple system atrophy in humans with parkinsonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5308-17.	3.3	578
4	$\beta$ -Amyloid precursor protein ( $\beta$ APP) as a marker for axonal injury after head injury. <i>Neuroscience Letters</i> , 1993, 160, 139-144.	1.0	545
5	Transmission of multiple system atrophy prions to transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19555-19560.	3.3	359
6	Microglial Activation in Traumatic Brain Injury. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 208.	1.7	307
7	Nucleus basalis of Meynert revisited: anatomy, history and differential involvement in Alzheimer's and Parkinson's disease. <i>Acta Neuropathologica</i> , 2015, 129, 527-540.	3.9	255
8	Axonal injury: a universal consequence of fatal closed head injury?. <i>Acta Neuropathologica</i> , 1995, 89, 537-543.	3.9	252
9	Long-term intracerebral inflammatory response after traumatic brain injury. <i>Forensic Science International</i> , 2004, 146, 97-104.	1.3	228
10	Markers of axonal injury in post mortem human brain. <i>Acta Neuropathologica</i> , 1994, 88, 433-439.	3.9	209
11	Genome sequencing analysis identifies new loci associated with Lewy body dementia and provides insights into its genetic architecture. <i>Nature Genetics</i> , 2021, 53, 294-303.	9.4	198
12	Propagation of prions causing synucleinopathies in cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4949-58.	3.3	191
13	The dorsal motor nucleus of the vagus is not an obligatory trigger site of Parkinson's disease: a critical analysis of $\alpha$ -synuclein staging. <i>Neuropathology and Applied Neurobiology</i> , 2008, 34, 284-295.	1.8	186
14	Is $\beta$ -APP a marker of axonal damage in short-surviving head injury?. <i>Acta Neuropathologica</i> , 1996, 92, 608-613.	3.9	178
15	The neuroinflammatory response in humans after traumatic brain injury. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 654-666.	1.8	154
16	The structural differences between patient-derived $\alpha$ -synuclein strains dictate characteristics of Parkinson's disease, multiple system atrophy and dementia with Lewy bodies. <i>Acta Neuropathologica</i> , 2020, 139, 977-1000.	3.9	149
17	Glycogen Synthase Kinase 3 Inhibition Promotes Lysosomal Biogenesis and Autophagic Degradation of the Amyloid- $\beta$ Precursor Protein. <i>Molecular and Cellular Biology</i> , 2012, 32, 4410-4418.	1.1	147
18	Cognitive decline following major surgery is associated with gliosis, $\beta$ -amyloid accumulation, and $\tau$ , phosphorylation in old mice. <i>Critical Care Medicine</i> , 2010, 38, 2190-2198.	0.4	146

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19	Parkinson's disease is associated with altered expression of CaV1 channels and calcium-binding proteins. <i>Brain</i> , 2013, 136, 2077-2097.	3.7	144
20	Dementia and visual hallucinations associated with limbic pathology in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2009, 15, 196-204.	1.1	114
21	Neuropathological consensus criteria for the evaluation of Lewy pathology in post-mortem brains: a multi-centre study. <i>Acta Neuropathologica</i> , 2021, 141, 159-172.	3.9	107
22	A $\beta$ 42 is the predominant form of amyloid $\beta$ -protein in the brains of short-term survivors of head injury. <i>NeuroReport</i> , 1997, 8, 1519-1522.	0.6	98
23	Next generation histology methods for three-dimensional imaging of fresh and archival human brain tissues. <i>Nature Communications</i> , 2018, 9, 1066.	5.8	98
24	Chapter 16 Molecular pathology of head trauma: altered $\beta$ APP metabolism and the aetiology of Alzheimer's disease. <i>Progress in Brain Research</i> , 1993, 96, 237-246.	0.9	82
25	Neuropathology of dementia in patients with Parkinson's disease: a systematic review of autopsy studies. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, jnnp-2019-321111.	0.9	80
26	Diverse human astrocyte and microglial transcriptional responses to Alzheimer's pathology. <i>Acta Neuropathologica</i> , 2022, 143, 75-91.	3.9	80
27	$\beta$ -Amyloid (A $\beta$ )42(43), A $\beta$ 42, A $\beta$ 40 and apoE immunostaining of plaques in fatal head injury. <i>Neuropathology and Applied Neurobiology</i> , 2000, 26, 124-132.	1.8	77
28	MSA prions exhibit remarkable stability and resistance to inactivation. <i>Acta Neuropathologica</i> , 2018, 135, 49-63.	3.9	70
29	Cortical Lewy bodies and A $\beta$ burden are associated with prevalence and timing of dementia in Lewy body diseases. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 436-450.	1.8	67
30	Striatal A $\beta$ peptide deposition mirrors dementia and differentiates DLB and PDD from other Parkinsonian syndromes. <i>Neurobiology of Disease</i> , 2011, 41, 377-384.	2.1	66
31	Disturbed sleep in Parkinson's disease: anatomical and pathological correlates. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 644-653.	1.8	63
32	Somatic copy number gains of $\alpha$ -synuclein (SNCA) in Parkinson's disease and multiple system atrophy brains. <i>Brain</i> , 2018, 141, 2419-2431.	3.7	63
33	Bringing CLARITY to the human brain: visualization of Lewy pathology in three dimensions. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 573-587.	1.8	62
34	Genetic determinants of survival in progressive supranuclear palsy: a genome-wide association study. <i>Lancet Neurology</i> , The, 2021, 20, 107-116.	4.9	62
35	Multiple system atrophy prions retain strain specificity after serial propagation in two different Tg(SNCA <sup>A53T</sup> ) mouse lines. <i>Acta Neuropathologica</i> , 2019, 137, 437-454.	3.9	58
36	Markers of axonal injury in post mortem human brain. <i>Acta Neuropathologica</i> , 1994, 88, 433-439.	3.9	50

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37	Axonal Injury Is Accentuated in the Caudal Corpus Callosum of Head-Injured Patients. <i>Journal of Neurotrauma</i> , 2001, 18, 1-9.	1.7	48
38	Primum non nocere: a call for balance when reporting on CTE. <i>Lancet Neurology</i> , The, 2019, 18, 231-233.	4.9	48
39	From biomechanics to pathology: predicting axonal injury from patterns of strain after traumatic brain injury. <i>Brain</i> , 2021, 144, 70-91.	3.7	47
40	<i>LRRK2</i> exonic variants and risk of multiple system atrophy. <i>Neurology</i> , 2014, 83, 2256-2261.	1.5	46
41	Chemical Probes for Visualizing Intact Animal and Human Brain Tissue. <i>Cell Chemical Biology</i> , 2017, 24, 659-672.	2.5	45
42	$\beta$ -synuclein induced synapse damage is enhanced by amyloid- $\beta$ 1-42. <i>Molecular Neurodegeneration</i> , 2010, 5, 55.	4.4	43
43	Clinical correlates of pathology in the claustrum in Parkinson's disease and dementia with Lewy bodies. <i>Neuroscience Letters</i> , 2009, 461, 12-15.	1.0	42
44	Variation at the <i>TRIM11</i> locus modifies progressive supranuclear palsy phenotype. <i>Annals of Neurology</i> , 2018, 84, 485-496.	2.8	37
45	Free of acrylamide sodium dodecyl sulphate (SDS)-based tissue clearing (FASTClear): a novel protocol of tissue clearing for three-dimensional visualization of human brain tissues. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 346-351.	1.8	36
46	Investigation of somatic CNVs in brains of synucleinopathy cases using targeted SNCA analysis and single cell sequencing. <i>Acta Neuropathologica Communications</i> , 2019, 7, 219.	2.4	35
47	Neuropathological changes in the nucleus basalis in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 485-495.	1.8	32
48	Rationalisation and Validation of an Acrylamide-Free Procedure in Three-Dimensional Histological Imaging. <i>PLoS ONE</i> , 2016, 11, e0158628.	1.1	32
49	ARTAG in the basal forebrain: widening the constellation of astrocytic tau pathology. <i>Acta Neuropathologica Communications</i> , 2016, 4, 59.	2.4	31
50	Review: Microglia in protein aggregation disorders: friend or foe?. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 45-50.	1.8	30
51	Axonal injury: a universal consequence of fatal closed head injury?. <i>Acta Neuropathologica</i> , 1995, 89, 537-543.	3.9	30
52	The aftermath of boxing revisited: identifying chronic traumatic encephalopathy pathology in the original Corsellis boxer series. <i>Acta Neuropathologica</i> , 2018, 136, 973-974.	3.9	28
53	Prion protein immunocytochemistry--UK five centre consensus report. <i>Neuropathology and Applied Neurobiology</i> , 1997, 23, 26-35.	1.8	28
54	Cross-platform transcriptional profiling identifies common and distinct molecular pathologies in Lewy body diseases. <i>Acta Neuropathologica</i> , 2021, 142, 449-474.	3.9	27

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55	Celastrol Enhances Cell Viability and Inhibits Amyloid- $\beta^2$ Production Induced by Lipopolysaccharide In Vitro. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 835-844.	1.2	25
56	Review: Revisiting the human cholinergic nucleus of the diagonal band of Broca. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 647-662.	1.8	25
57	Parametric mapping using spectral analysis for 11C-PBR28 PET reveals neuroinflammation in mild cognitive impairment subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1432-1441.	3.3	22
58	Iron and inflammation: in vivo and post-mortem studies in Parkinson's disease. <i>Journal of Neural Transmission</i> , 2021, 128, 15-25.	1.4	22
59	Altered Expression of Brain Proteinase-Activated Receptor-2, Trypsin-2 and Serpin Proteinase Inhibitors in Parkinson's Disease. <i>Journal of Molecular Neuroscience</i> , 2015, 57, 48-62.	1.1	19
60	Evidence against a reliable staging system of $\alpha$ -synuclein pathology in Parkinson's disease. <i>Neuropathology and Applied Neurobiology</i> , 2009, 35, 125-126.	1.8	17
61	Calcium CaV1 Channel Subtype mRNA Expression in Parkinson's Disease Examined by In Situ Hybridization. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 715-724.	1.1	17
62	Genetic evaluation of dementia with Lewy bodies implicates distinct disease subgroups. <i>Brain</i> , 2022, 145, 1757-1762.	3.7	17
63	Cholinergic deficits and galaninergic hyperinnervation of the nucleus basalis of Meynert in Alzheimer's disease and Lewy body disorders. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 264-278.	1.8	16
64	Multisystem screening reveals SARS-CoV-2 in neurons of the myenteric plexus and in megakaryocytes. <i>Journal of Pathology</i> , 2022, 257, 198-217.	2.1	16
65	Faster disease progression in Parkinson's disease with type 2 diabetes is not associated with increased $\alpha$ -synuclein, tau, amyloid- $\beta^2$ or vascular pathology. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 1080-1091.	1.8	14
66	Differential expression of galanin in the cholinergic basal forebrain of patients with Lewy body disorders. <i>Acta Neuropathologica Communications</i> , 2015, 3, 77.	2.4	13
67	LRP10 in $\alpha$ -synucleinopathies. <i>Lancet Neurology</i> , The, 2018, 17, 1033-1034.	4.9	11
68	The Levodopa Response Varies in Pathologically Confirmed Parkinson's Disease: A Systematic Review. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 218-222.	0.8	9
69	A novel method to visualise the three-dimensional organisation of the human cerebral cortical vasculature. <i>Journal of Anatomy</i> , 2018, 232, 1025-1030.	0.9	8
70	Differential effects of amyloid-beta peptide aggregation status on in vivo retinal neurotoxicity. <i>Eye and Brain</i> , 2010, 2, 121.	3.8	4
71	The diagonal band of Broca in health and disease. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2021, 179, 175-187.	1.0	4
72	Methods for next generation three-dimensional histology for human neural tissues. <i>Protocol Exchange</i> , 0, , .	0.3	1

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73	Examination of glial and neuronal changes in the nucleus basalis of Meynert in schizophrenia and recurrent depression. <i>International Clinical Psychopharmacology</i> , 2011, 26, e126.	0.9	0
74	[P1â€“123]: STRATEGIES TO DEVELOP PARAMETRIC MAPS FOR TSPO PET TRACER [11C]â€“PBR28 IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT. <i>Alzheimer's and Dementia</i> , 2017, 13, P288.	0.4	0
75	[P1â€“124]: REGIONAL KINETIC MODELLING APPLICATION FOR TSPO PET TRACER [11C]PBR28. <i>Alzheimer's and Dementia</i> , 2017, 13, P289.	0.4	0
76	[O3â€“09â€“06]: MICROGLIAL ACTIVATION IN ALZHEIMER'S DISEASE DETECTED BY NOVEL THIRD GENERATION TRANSLOCATOR PROTEIN TRACER FLUTRICICLAMIDE ([18F]GE180). <i>Alzheimer's and Dementia</i> , 2017, 13, P922.	0.4	0
77	[S1â€“02â€“03]: LINKING TRAUMATIC BRAIN INJURY TO NEURODEGENERATIVE DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P170.	0.4	0
78	P1â€“475: NOVEL THIRD GENERATION MICROGLIAL MARKER FLUTRICICLAMIDE ([18F]GE180) IN ALZHEIMER'S DISEASE AND MILD COGNITIVE IMPAIRMENT. <i>Alzheimer's and Dementia</i> , 2018, 14, P506.	0.4	0
79	TauBI or not TauBI: what was the question?. <i>Brain</i> , 2018, 141, 2536-2539.	3.7	0
80	Microglial activation evaluated using flutriciclamide ( 11 Fâ€“GE180) in subjects with cognitive impairment. <i>Alzheimer's and Dementia</i> , 2020, 16, e045465.	0.4	0
81	Tau formation is associated with microglial activation in more widespread cortical areas than is amyloid deposition. <i>Alzheimer's and Dementia</i> , 2020, 16, e046045.	0.4	0
82	Neuropathological Assessment as an Endpoint in Clinical Trial Design. <i>Methods in Molecular Biology</i> , 2018, 1750, 271-279.	0.4	0
83	Influence of microglial activation on structural and functional connectivity in mild cognitive impairment subjects. <i>Alzheimer's and Dementia</i> , 2020, 16, e042990.	0.4	0
84	Somatic copy number variant mutations in alpha-synuclein and genome-wide in brains of synucleinopathy cases. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, A4.2-A4.	0.9	0