

Jan Mulder

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.

100
papers

14,314
citations

38
h-index

106
g-index

106
ext. papers

20,226
ext. citations

9
avg, IF

5.48
L-index

#	Paper	IF	Citations
100	Proteomics. Tissue-based map of the human proteome. <i>Science</i> , 2015 , 347, 1260419	33.3	6576
99	Analysis of the human tissue-specific expression by genome-wide integration of transcriptomics and antibody-based proteomics. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 397-406	7.6	1730
98	A subcellular map of the human proteome. <i>Science</i> , 2017 , 356,	33.3	1183
97	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. <i>Science</i> , 2016 , 353, 78-82	33.3	944
96	Hardwiring the brain: endocannabinoids shape neuronal connectivity. <i>Science</i> , 2007 , 316, 1212-6	33.3	380
95	Molecular interrogation of hypothalamic organization reveals distinct dopamine neuronal subtypes. <i>Nature Neuroscience</i> , 2017 , 20, 176-188	25.5	226
94	Endocannabinoid signaling controls pyramidal cell specification and long-range axon patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8760-5	11.5	217
93	Increased abundance of opioid receptor heteromers after chronic morphine administration. <i>Science Signaling</i> , 2010 , 3, ra54	8.8	167
92	WNT signaling in activated microglia is proinflammatory. <i>Glia</i> , 2011 , 59, 119-31	9	153
91	A genome-wide transcriptomic analysis of protein-coding genes in human blood cells. <i>Science</i> , 2019 , 366,	33.3	131
90	An atlas of the protein-coding genes in the human, pig, and mouse brain. <i>Science</i> , 2020 , 367,	33.3	130
89	Molecular reorganization of endocannabinoid signalling in Alzheimer's disease. <i>Brain</i> , 2011 , 134, 1041-60	11.2	127
88	Endocannabinoid functions controlling neuronal specification during brain development. <i>Molecular and Cellular Endocrinology</i> , 2008 , 286, S84-90	4.4	123
87	The human secretome. <i>Science Signaling</i> , 2019 , 12,	8.8	99
86	Renal sensory and sympathetic nerves reinnervate the kidney in a similar time-dependent fashion after renal denervation in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R675-82	3.2	96
85	The Inhibitor Ko143 Is Not Specific for ABCG2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 354, 384-93	4.7	77
84	GABA action in immature neocortical neurons directly depends on the availability of ketone bodies. <i>Journal of Neurochemistry</i> , 2009 , 110, 1330-8	6	73

83	Pituitary autoantibodies in autoimmune polyendocrine syndrome type 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 949-54	11.5	73
82	Renal sympathetic nerve activity modulates afferent renal nerve activity by PGE2-dependent activation of alpha1- and alpha2-adrenoceptors on renal sensory nerve fibers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R1561-72	3.2	70
81	A single-cell type transcriptomics map of human tissues. <i>Science Advances</i> , 2021 , 7,	14.3	69
80	N-Methyl-D-aspartate receptor antagonist MK-801 and radical scavengers protect cholinergic nucleus basalis neurons against beta-amyloid neurotoxicity. <i>Neurobiology of Disease</i> , 1999 , 6, 109-21	7.5	67
79	GPR39 splice variants versus antisense gene LYPD1: expression and regulation in gastrointestinal tract, endocrine pancreas, liver, and white adipose tissue. <i>Molecular Endocrinology</i> , 2007 , 21, 1685-98		63
78	Anoctamin 2 identified as an autoimmune target in multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2188-93	11.5	59
77	Secretagoin is a Ca ²⁺ -binding protein specifying subpopulations of telencephalic neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22492-7	11.5	58
76	Input from the medial septum regulates adult hippocampal neurogenesis. <i>Brain Research Bulletin</i> , 2005 , 67, 117-25	3.9	56
75	Characterization of NPY Y2 receptor protein expression in the mouse brain. II. Coexistence with NPY, the Y1 receptor, and other neurotransmitter-related molecules. <i>Journal of Comparative Neurology</i> , 2011 , 519, 1219-57	3.4	54
74	The renaissance of Ca ²⁺ -binding proteins in the nervous system: secretagoin takes center stage. <i>Cellular Signalling</i> , 2012 , 24, 378-387	4.9	48
73	Impact of Epithelial-Stromal Interactions on Peritumoral Fibroblasts in Ductal Carcinoma in Situ. <i>Journal of the National Cancer Institute</i> , 2019 , 111, 983-995	9.7	47
72	A secretagoin locus of the mammalian hypothalamus controls stress hormone release. <i>EMBO Journal</i> , 2015 , 34, 36-54	13	46
71	Contribution of antibody-based protein profiling to the human Chromosome-centric Proteome Project (C-HPP). <i>Journal of Proteome Research</i> , 2013 , 12, 2439-48	5.6	44
70	Distinct amyloid- β and tau-associated microglia profiles in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2021 , 141, 681-696	14.3	43
69	Acute neuroinflammation in a clinically relevant focal cortical ischemic stroke model in rat: longitudinal positron emission tomography and immunofluorescent tracking. <i>Brain Structure and Function</i> , 2016 , 221, 1279-90	4	41
68	Expression of p-Akt in sensory neurons and spinal cord after peripheral nerve injury. <i>NeuroSignals</i> , 2009 , 17, 203-12	1.9	41
67	Oral post-lesion administration of 5-HT(1A) receptor agonist repinotan hydrochloride (BAY x 3702) attenuates NMDA-induced delayed neuronal death in rat magnocellular nucleus basalis. <i>Neuroscience</i> , 2001 , 108, 629-42	3.9	41
66	CSF profiling of the human brain enriched proteome reveals associations of neuromodulin and neurogranin to Alzheimer's disease. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 1242-1253	3.1	40

65	Tariquidar Is an Inhibitor and Not a Substrate of Human and Mouse P-glycoprotein. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 275-82	4	39
64	Neuronal calcium-binding proteins 1/2 localize to dorsal root ganglia and excitatory spinal neurons and are regulated by nerve injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E1149-58	11.5	39
63	Analysis of cholinergic markers, biogenic amines, and amino acids in the CNS of two APP overexpression mouse models. <i>Neurochemistry International</i> , 2005 , 46, 409-22	4.4	38
62	Affinity proteomic profiling of plasma, cerebrospinal fluid, and brain tissue within multiple sclerosis. <i>Journal of Proteome Research</i> , 2014 , 13, 4607-19	5.6	36
61	17beta-estradiol enhances cortical cholinergic innervation and preserves synaptic density following excitotoxic lesions to the rat nucleus basalis magnocellularis. <i>Neuroscience</i> , 2002 , 110, 489-504	3.9	35
60	Defining the Human Brain Proteome Using Transcriptomics and Antibody-Based Profiling with a Focus on the Cerebral Cortex. <i>PLoS ONE</i> , 2015 , 10, e0130028	3.7	34
59	Hypothalamic mitochondrial dysfunction associated with anorexia in the anx/anx mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18108-13	11.5	33
58	A TRPV1-to-secretagogin regulatory axis controls pancreatic β cell survival by modulating protein turnover. <i>EMBO Journal</i> , 2017 , 36, 2107-2125	13	31
57	Secretagogin is a Ca ²⁺ -binding protein identifying prospective extended amygdala neurons in the developing mammalian telencephalon. <i>European Journal of Neuroscience</i> , 2010 , 31, 2166-77	3.5	29
56	The polarised life of the endocannabinoid system in CNS development. <i>ChemBioChem</i> , 2009 , 10, 1591-8	3.8	28
55	The expression of inflammatory markers and their potential influence on efflux transporters in drug-resistant mesial temporal lobe epilepsy tissue. <i>Epilepsia</i> , 2018 , 59, 1507-1517	6.4	27
54	Secretagogin is expressed in sensory CGRP neurons and in spinal cord of mouse and complements other calcium-binding proteins, with a note on rat and human. <i>Molecular Pain</i> , 2012 , 8, 80	3.4	27
53	Survival-associated heterogeneity of marker-defined perivascular cells in colorectal cancer. <i>Oncotarget</i> , 2016 , 7, 41948-41958	3.3	27
52	Critical role of somatostatin receptor 2 in the vulnerability of the central noradrenergic system: new aspects on Alzheimer's disease. <i>Acta Neuropathologica</i> , 2015 , 129, 541-63	14.3	25
51	Large field of view-spatially resolved transcriptomics at nanoscale resolution		24
50	High levels of WNT-5A in human glioma correlate with increased presence of tumor-associated microglia/monocytes. <i>Experimental Cell Research</i> , 2015 , 339, 280-8	4.2	23
49	Imaging of a clinically relevant stroke model: glucose hypermetabolism revisited. <i>Stroke</i> , 2015 , 46, 835-42	4.7	22
48	Short-term consequences of N-methyl-D-aspartate excitotoxicity in rat magnocellular nucleus basalis: effects on in vivo labelling of cholinergic neurons. <i>Neuroscience</i> , 2001 , 108, 611-27	3.9	21

47	A specific antibody to detect transcription factor T-Pit: a reliable marker of corticotroph cell differentiation and a tool to improve the classification of pituitary neuroendocrine tumours. <i>Acta Neuropathologica</i> , 2017 , 134, 675-677	14.3	20
46	Galantamine-induced behavioral recovery after sublethal excitotoxic lesions to the rat medial septum. <i>Behavioural Brain Research</i> , 2005 , 163, 33-41	3.4	20
45	Tissue profiling of the mammalian central nervous system using human antibody-based proteomics. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 1612-22	7.6	19
44	FZD-Gli3 signalling axis points to a role of FZD in CNS angiogenesis. <i>Cellular Signalling</i> , 2017 , 32, 93-103	4.9	18
43	G protein-gated inwardly rectifying potassium channel subunits 1 and 2 are down-regulated in rat dorsal root ganglion neurons and spinal cord after peripheral axotomy. <i>Molecular Pain</i> , 2015 , 11, 44	3.4	18
42	Lesion Size Is Exacerbated in Hypoxic Rats Whereas Hypoxia-Inducible Factor-1 Alpha and Vascular Endothelial Growth Factor Increase in Injured Normoxic Rats: A Prospective Cohort Study of Secondary Hypoxia in Focal Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2016 , 7, 23	4.1	18
41	Injury Leads to the Appearance of Cells with Characteristics of Both Microglia and Astrocytes in Mouse and Human Brain. <i>Cerebral Cortex</i> , 2017 , 27, 3360-3377	5.1	15
40	An automated method measures variability in P-glycoprotein and ABCG2 densities across brain regions and brain matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2062-2075	7.3	15
39	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. <i>Journal of Comparative Neurology</i> , 2009 , 513, 1-20	3.4	15
38	Vesicular glutamate transporter 3 (VGLUT3) identifies spatially segregated excitatory terminals in the rat substantia nigra. <i>European Journal of Neuroscience</i> , 2006 , 23, 1063-70	3.5	15
37	Cortical cholinergic decline parallels the progression of Borna virus encephalitis. <i>NeuroReport</i> , 2001 , 12, 3767-72	1.7	15
36	Mass spectrometric analysis of synaptosomal membrane preparations for the determination of brain receptors, transporters and channels. <i>Proteomics</i> , 2016 , 16, 2911-2920	4.8	14
35	Spatiotemporal transcriptomic atlas of mouse organogenesis using DNA nanoball-patterned arrays.. <i>Cell</i> , 2022 , 185, 1777-1792.e21	56.2	14
34	Development of [¹¹ C]/[³ H]THK-5351 - A potential novel carbon-11 tau imaging PET radioligand. <i>Nuclear Medicine and Biology</i> , 2017 , 46, 50-53	2.1	12
33	Comparative anatomical distribution of neuronal calcium-binding protein (NECAB) 1 and -2 in rodent and human spinal cord. <i>Brain Structure and Function</i> , 2016 , 221, 3803-23	4	12
32	Neonatal handling increases sensitivity to acute neurodegeneration in adult rats. <i>Journal of Neurobiology</i> , 2004 , 60, 463-72		12
31	Systematically generated antibodies against human gene products: high throughput screening on sections from the rat nervous system. <i>Neuroscience</i> , 2007 , 146, 1689-703	3.9	11
30	Distinct subsets of nucleus basalis neurons exhibit similar sensitivity to excitotoxicity. <i>NeuroReport</i> , 2002 , 13, 767-72	1.7	9

29	Ca ²⁺ -binding protein NECAB2 facilitates inflammatory pain hypersensitivity. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3757-3768	15.9	9
28	Autoimmune Encephalitis Presenting With Malignant Catatonia in a 40-Year-Old Male Patient With COVID-19. <i>American Journal of Psychiatry</i> , 2021 , 178, 485-489	11.9	9
27	Dishevelled enables casein kinase 1-mediated phosphorylation of Frizzled 6 required for cell membrane localization. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18477-18493	5.4	9
26	GABAergic terminals are a source of galanin to modulate cholinergic neuron development in the neonatal forebrain. <i>Cerebral Cortex</i> , 2014 , 24, 3277-88	5.1	8
25	Evaluation of efficacy of a new MEK inhibitor, RO4987655, in human tumor xenografts by [(18)F] FDG-PET imaging combined with proteomic approaches. <i>EJNMMI Research</i> , 2014 , 4, 34	3.6	8
24	Molecular- and organelle-based predictive paradigm underlying recovery by left ventricular assist device support. <i>Circulation: Heart Failure</i> , 2014 , 7, 359-66	7.6	8
23	Life-long impairment of glucose homeostasis upon prenatal exposure to psychostimulants. <i>EMBO Journal</i> , 2020 , 39, e100882	13	7
22	A manual multiplex immunofluorescence method for investigating neurodegenerative diseases. <i>Journal of Neuroscience Methods</i> , 2020 , 339, 108708	3	7
21	The human secretome [The proteins secreted from human cells]		6
20	Opioid precursor protein isoform is targeted to the cell nuclei in the human brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 246-255	4	5
19	In vitro phosphodiesterase 10A (PDE10A) binding in whole hemisphere human brain using the PET radioligand [F]MNI-659. <i>Brain Research</i> , 2019 , 1711, 140-145	3.7	5
18	Neuronal Expression of Opioid Gene is Controlled by Dual Epigenetic and Transcriptional Mechanism in Human Brain. <i>Cerebral Cortex</i> , 2018 , 28, 3129-3142	5.1	4
17	Visualization of angiogenesis during cancer development in the polyoma middle T breast cancer model: molecular imaging with (R)-[11C]PAQ. <i>EJNMMI Research</i> , 2014 , 4, 17	3.6	4
16	Regional distribution of biogenic amines, amino acids and cholinergic markers in the CNS of the C57BL/6 strain. <i>Amino Acids</i> , 2005 , 28, 377-87	3.5	4
15	Expression and regulation of FRMD6 in mouse DRG neurons and spinal cord after nerve injury. <i>Scientific Reports</i> , 2020 , 10, 1880	4.9	3
14	G Protein-Gated Inwardly Rectifying Potassium Channel Subunit 3 is Upregulated in Rat DRGs and Spinal Cord After Peripheral Nerve Injury. <i>Journal of Pain Research</i> , 2020 , 13, 419-429	2.9	3
13	Genome-wide annotation of protein-coding genes in pig.. <i>BMC Biology</i> , 2022 , 20, 25	7.3	3
12	Exploring autoantibody signatures in brain tissue from patients with severe mental illness. <i>Translational Psychiatry</i> , 2020 , 10, 401	8.6	3

11	Indirect immunofluorescence for detecting anti-neuronal autoimmunity in CSF after COVID-19 - Possibilities and pitfalls. <i>Brain, Behavior, and Immunity</i> , 2021 , 94, 473-474	16.6	2
10	Disorganization and degeneration of liver sympathetic innervations in nonalcoholic fatty liver disease revealed by 3D imaging. <i>Science Advances</i> , 2021 , 7,	14.3	2
9	A porcine brain-wide RNA editing landscape. <i>Communications Biology</i> , 2021 , 4, 717	6.7	1
8	Increased levels of inflammatory markers in the subscapularis tendon and joint capsule in patients with subacromial impingement. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 2228-2236	5.5	0
7	FOXP3+ T cells in uterine sarcomas are associated with favorable prognosis, low extracellular matrix expression and reduced YAP activation. <i>Npj Precision Oncology</i> , 2021 , 5, 97	9.8	0
6	The cellular basis of increased PET hypoxia tracer uptake in focal cerebral ischemia with comparison between [F]FMISO and [Cu]CuATSM. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 617-629	7.3	0
5	Characterization of neuropeptide Y2 receptor protein expression in the mouse brain. II. Coexistence with NPY, the Y1 receptor, and other neurotransmitter-related molecules. <i>Journal of Comparative Neurology</i> , 2011 , 519, spc1-spc1	3.4	
4	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. <i>Journal of Comparative Neurology</i> , 2009 , 513, spc1-spc1	3.4	
3	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. <i>Journal of Comparative Neurology</i> , 2009 , 513, spc1-spc1	3.4	
2	Digitalized multiparametric analyses of tumor stroma for identification of low perivascular PDGFBR expression and low vessel density as independent prognosis markers for stage IV CRC.. <i>Journal of Clinical Oncology</i> , 2014 , 32, e14525-e14525	2.2	
1	Tumor perivascular PDGFBR as an independent prognostic factor in metastatic colorectal cancer.. <i>Journal of Clinical Oncology</i> , 2013 , 31, 3571-3571	2.2	