

Jan Mulder

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

24,546
citations

71102

41
h-index

39675

94
g-index

106
all docs

106
docs citations

106
times ranked

46533
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide annotation of protein-coding genes in pig. <i>BMC Biology</i> , 2022, 20, 25.	3.8	14
2	Cell transcriptomic atlas of the non-human primate <i>Macaca fascicularis</i> . <i>Nature</i> , 2022, 604, 723-731.	27.8	81
3	Spatiotemporal transcriptomic atlas of mouse organogenesis using DNA nanoball-patterned arrays. <i>Cell</i> , 2022, 185, 1777-1792.e21.	28.9	437
4	Endothelial cell heterogeneity and microglia regulons revealed by a pig cell landscape at single-cell level. <i>Nature Communications</i> , 2022, 13, .	12.8	22
5	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.	4.2	2
6	The cellular basis of increased PET hypoxia tracer uptake in focal cerebral ischemia with comparison between [18F]FMISO and [64Cu]CuATSM. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 617-629.	4.3	2
7	Distinct amyloid- β^2 and tau-associated microglia profiles in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2021, 141, 681-696.	7.7	167
8	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.	4.1	8
9	A porcine brain-wide RNA editing landscape. <i>Communications Biology</i> , 2021, 4, 717.	4.4	5
10	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.	7.2	22
11	A single-cell transcriptomics map of human tissues. <i>Science Advances</i> , 2021, 7, .	10.3	632
12	Disorganization and degeneration of liver sympathetic innervations in nonalcoholic fatty liver disease revealed by 3D imaging. <i>Science Advances</i> , 2021, 7, .	10.3	29
13	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.	5.4	9
14	Life-long impairment of glucose homeostasis upon prenatal exposure to psychostimulants. <i>EMBO Journal</i> , 2020, 39, e100882.	7.8	11
15	Exploring autoantibody signatures in brain tissue from patients with severe mental illness. <i>Translational Psychiatry</i> , 2020, 10, 401.	4.8	8
16	An atlas of the protein-coding genes in the human, pig, and mouse brain. <i>Science</i> , 2020, 367, .	12.6	517
17	Expression and regulation of FRMD6 in mouse DRG neurons and spinal cord after nerve injury. <i>Scientific Reports</i> , 2020, 10, 1880.	3.3	6
18	<p>G Protein-Gated Inwardly Rectifying Potassium Channel Subunit 3 is Upregulated in Rat DRGs and Spinal Cord After Peripheral Nerve Injury</p>. <i>Journal of Pain Research</i> , 2020, Volume 13, 419-429.	2.0	5

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19	A manual multiplex immunofluorescence method for investigating neurodegenerative diseases. <i>Journal of Neuroscience Methods</i> , 2020, 339, 108708.	2.5	12
20	In vitro phosphodiesterase 10A (PDE10A) binding in whole hemisphere human brain using the PET radioligand [¹⁸ F]MNI-659. <i>Brain Research</i> , 2019, 1711, 140-145.	2.2	6
21	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.	6.3	94
22	A genome-wide transcriptomic analysis of protein-coding genes in human blood cells. <i>Science</i> , 2019, 366, .	12.6	329
23	The human secretome. <i>Science Signaling</i> , 2019, 12, .	3.6	259
24	Neuronal Expression of Opioid Gene is Controlled by Dual Epigenetic and Transcriptional Mechanism in Human Brain. <i>Cerebral Cortex</i> , 2018, 28, 3129-3142.	2.9	8
25	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.	3.4	13
26	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.	5.1	46
27	Ca ²⁺ -binding protein NECAB2 facilitates inflammatory pain hypersensitivity. <i>Journal of Clinical Investigation</i> , 2018, 128, 3757-3768.	8.2	15
28	FZD10-Glyc13 signalling axis points to a role of FZD10 in CNS angiogenesis. <i>Cellular Signalling</i> , 2017, 32, 93-103.	3.6	22
29	A subcellular map of the human proteome. <i>Science</i> , 2017, 356, .	12.6	2,079
30	A TRPV1 secretagogue regulatory axis controls pancreatic β cell survival by modulating protein turnover. <i>EMBO Journal</i> , 2017, 36, 2107-2125.	7.8	52
31	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.	2.9	26
32	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.	2.4	6
33	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.	0.6	16
34	Molecular interrogation of hypothalamic organization reveals distinct dopamine neuronal subtypes. <i>Nature Neuroscience</i> , 2017, 20, 176-188.	14.8	384
35	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.	7.7	32
36	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.	4.3	20

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37	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.	2.4	26
38	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.	1.6	64
39	Mass spectrometric analysis of synaptosomal membrane preparations for the determination of brain receptors, transporters and channels. <i>Proteomics</i> , 2016, 16, 2911-2920.	2.2	19
40	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. <i>Science</i> , 2016, 353, 78-82.	12.6	1,983
41	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, 1279-1290.	2.3	49
42	Tariquidar Is an Inhibitor and Not a Substrate of Human and Mouse P-glycoprotein. <i>Drug Metabolism and Disposition</i> , 2016, 44, 275-282.	3.3	54
43	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, 2188-2193.	7.1	86
44	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, 3803-3823.	2.3	14
45	Abstract C38: Marker-defined perivascular cells predict prognosis and response to treatment. , 2016, , .		0
46	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, s12990-015-0044.	2.1	18
47	Tissue-based map of the human proteome. <i>Science</i> , 2015, 347, 1260419.	12.6	10,802
48	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, 541-563.	7.7	36
49	Imaging of a Clinically Relevant Stroke Model. <i>Stroke</i> , 2015, 46, 835-842.	2.0	26
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, 280-288.	2.6	28
51	The Inhibitor Ko143 Is Not Specific for ABCG2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 354, 384-393.	2.5	113
52	A secretagogin locus of the mammalian hypothalamus controls stress hormone release. <i>EMBO Journal</i> , 2015, 34, 36-54.	7.8	75
53	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.	2.5	44
54	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.	7.1	47

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55	GABAergic Terminals Are a Source of Galanin to Modulate Cholinergic Neuron Development in the Neonatal Forebrain. <i>Cerebral Cortex</i> , 2014, 24, 3277-3288.	2.9	10
56	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.	2.5	4
57	Evaluation of efficacy of a new MEK inhibitor, RO4987655, in human tumor xenografts by [18F] FDG-PET imaging combined with proteomic approaches. <i>EJNMMI Research</i> , 2014, 4, 34.	2.5	9
58	Molecular- and Organelle-Based Predictive Paradigm Underlying Recovery by Left Ventricular Assist Device Support. <i>Circulation: Heart Failure</i> , 2014, 7, 359-366.	3.9	10
59	Affinity Proteomic Profiling of Plasma, Cerebrospinal Fluid, and Brain Tissue within Multiple Sclerosis. <i>Journal of Proteome Research</i> , 2014, 13, 4607-4619.	3.7	42
60	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.	3.8	2,819
61	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.	1.6	0
62	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-R682.	1.8	114
63	Contribution of Antibody-based Protein Profiling to the Human Chromosome-centric Proteome Project (C-HPP). <i>Journal of Proteome Research</i> , 2013, 12, 2439-2448.	3.7	48
64	Tumor perivascular PDGFBR as an independent prognostic factor in metastatic colorectal cancer.. <i>Journal of Clinical Oncology</i> , 2013, 31, 3571-3571.	1.6	0
65	Secretagoin 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, 1744-8069-8-80.	2.1	34
66	The renaissance of Ca ²⁺ -binding proteins in the nervous system: secretagoin takes center stage. <i>Cellular Signalling</i> , 2012, 24, 378-387.	3.6	59
67	WNT signaling in activated microglia is proinflammatory. <i>Glia</i> , 2011, 59, 119-131.	4.9	187
68	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, 1219-1257.	1.6	62
69	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.	1.6	0
70	Molecular reorganization of endocannabinoid signalling in Alzheimer's disease. <i>Brain</i> , 2011, 134, 1041-1060.	7.6	164
71	Hypothalamic mitochondrial dysfunction associated with anorexia in the <i>anx/anx</i> mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18108-18113.	7.1	46
72	Secretagoin is a Ca ²⁺ -binding protein identifying prospective extended amygdala neurons in the developing mammalian telencephalon. <i>European Journal of Neuroscience</i> , 2010, 31, 2166-2177.	2.6	34

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73	Increased Abundance of Opioid Receptor Heteromers After Chronic Morphine Administration. <i>Science Signaling</i> , 2010, 3, ra54.	3.6	191
74	Expression of p-Akt in Sensory Neurons and Spinal Cord after Peripheral Nerve Injury. <i>NeuroSignals</i> , 2009, 17, 203-212.	0.9	47
75	Secretagogin 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, 22492-22497.	7.1	69
76	Tissue Profiling of the Mammalian Central Nervous System Using Human Antibody-based Proteomics. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1612-1622.	3.8	19
77	The Polarised Life of the Endocannabinoid System in CNS Development. <i>ChemBioChem</i> , 2009, 10, 1591-1598.	2.6	34
78	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. <i>Journal of Comparative Neurology</i> , 2009, 513, 1-20.	1.6	18
79	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. <i>Journal of Comparative Neurology</i> , 2009, 513, spc1-spc1.	1.6	0
80	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. <i>Journal of Comparative Neurology</i> , 2009, 513, spc1-spc1.	1.6	0
81	GABA action in immature neocortical neurons directly depends on the availability of ketone bodies. <i>Journal of Neurochemistry</i> , 2009, 110, 1330-1338.	3.9	78
82	Endocannabinoid functions controlling neuronal specification during brain development. <i>Molecular and Cellular Endocrinology</i> , 2008, 286, S84-S90.	3.2	149
83	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, 8760-8765.	7.1	263
84	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, 949-954.	7.1	89
85	Renal sympathetic nerve activity modulates afferent renal nerve activity by PGE ₂ -dependent activation of I ₁ - and I ₂ -adrenoceptors on renal sensory nerve fibers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1561-R1572.	1.8	82
86	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, 1685-1698.	3.7	76
87	Systematically generated antibodies against human gene products: High throughput screening on sections from the rat nervous system. <i>Neuroscience</i> , 2007, 146, 1689-1703.	2.3	12
88	Hardwiring the Brain: Endocannabinoids Shape Neuronal Connectivity. <i>Science</i> , 2007, 316, 1212-1216.	12.6	463
89	Vesicular glutamate transporter 3 (VGLUT3) identifies spatially segregated excitatory terminals in the rat substantia nigra. <i>European Journal of Neuroscience</i> , 2006, 23, 1063-1070.	2.6	17
90	Regional distribution of biogenic amines, amino acids and cholinergic markers in the CNS of the C57BL/6 strain. <i>Amino Acids</i> , 2005, 28, 377-387.	2.7	4

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91	Analysis of cholinergic markers, biogenic amines, and amino acids in the CNS of two APP overexpression mouse models. <i>Neurochemistry International</i> , 2005, 46, 409-422.	3.8	39
92	Galantamine-induced behavioral recovery after sublethal excitotoxic lesions to the rat medial septum. <i>Behavioural Brain Research</i> , 2005, 163, 33-41.	2.2	20
93	Input from the medial septum regulates adult hippocampal neurogenesis. <i>Brain Research Bulletin</i> , 2005, 67, 117-125.	3.0	60
94	Neonatal handling increases sensitivity to acute neurodegeneration in adult rats. <i>Journal of Neurobiology</i> , 2004, 60, 463-472.	3.6	12
95	Distinct subsets of nucleus basalis neurons exhibit similar sensitivity to excitotoxicity. <i>NeuroReport</i> , 2002, 13, 767-772.	1.2	11
96	17 β -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.	2.3	36
97	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, 611-627.	2.3	22
98	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, 629-642.	2.3	44
99	Cortical cholinergic decline parallels the progression of Borna virus encephalitis. <i>NeuroReport</i> , 2001, 12, 3767-3772.	1.2	18
100	N-Methyl-D-Aspartate Receptor Antagonist MK-801 and Radical Scavengers Protect Cholinergic Nucleus Basalis Neurons against β -Amyloid Neurotoxicity. <i>Neurobiology of Disease</i> , 1999, 6, 109-121.	4.4	68
101	Survival-associated heterogeneity of marker-defined perivascular cells in colorectal cancer. <i>Oncotarget</i> , 0, 7, 41948-41958.	1.8	30