

# Merja H Voutilainen

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,824  
citations

394421

19  
h-index

580821

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel neurotrophic factor CDNF protects and rescues midbrain dopamine neurons in vivo. <i>Nature</i> , 2007, 448, 73-77.	27.8	382
2	Development and plasticity of meningeal lymphatic vessels. <i>Journal of Experimental Medicine</i> , 2017, 214, 3645-3667.	8.5	311
3	Mesencephalic Astrocyte-Derived Neurotrophic Factor Is Neurorestorative in Rat Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2009, 29, 9651-9659.	3.6	238
4	Chronic infusion of CDNF prevents 6-OHDA-induced deficits in a rat model of Parkinson's disease. <i>Experimental Neurology</i> , 2011, 228, 99-108.	4.1	118
5	CDNF Protects the Nigrostriatal Dopamine System and Promotes Recovery after MPTP Treatment in Mice. <i>Cell Transplantation</i> , 2012, 21, 1213-1223.	2.5	112
6	Gene therapy with AAV<sup>2</sup>-CDNF provides functional benefits in a rat model of Parkinson's disease. <i>Brain and Behavior</i> , 2013, 3, 75-88.	2.2	72
7	Therapeutic potential of the endoplasmic reticulum located and secreted CDNF/MANF family of neurotrophic factors in Parkinson's disease. <i>FEBS Letters</i> , 2015, 589, 3739-3748.	2.8	71
8	GDNF and Parkinson's Disease: Where Next? A Summary from a Recent Workshop. <i>Journal of Parkinson's Disease</i> , 2020, 10, 875-891.	2.8	63
9	Transient transfection of human CDNF gene reduces the 6-hydroxydopamine-induced neuroinflammation in the rat substantia nigra. <i>Journal of Neuroinflammation</i> , 2014, 11, 209.	7.2	56
10	Evidence for an Additive Neurorestorative Effect of Simultaneously Administered CDNF and GDNF in Hemiparkinsonian Rats: Implications for Different Mechanism of Action. <i>ENeuro</i> , 2017, 4, ENEURO.0117-16.2017.	1.9	47
11	Characterization of a new low-dose 6-hydroxydopamine model of Parkinson's disease in rat. <i>Journal of Neuroscience Research</i> , 2016, 94, 318-328.	2.9	39
12	Implementation of deep neural networks to count dopamine neurons in substantia nigra. <i>European Journal of Neuroscience</i> , 2018, 48, 2354-2361.	2.6	38
13	Intrastrially Infused Exogenous CDNF Is Endocytosed and Retrogradely Transported to Substantia Nigra. <i>ENeuro</i> , 2017, 4, ENEURO.0128-16.2017.	1.9	32
14	Netrin-1 and its receptor DCC modulate survival and death of dopamine neurons and Parkinson's disease features. <i>EMBO Journal</i> , 2021, 40, e105537.	7.8	32
15	Combination of CDNF and Deep Brain Stimulation Decreases Neurological Deficits in Late-stage Model Parkinson's Disease. <i>Neuroscience</i> , 2018, 374, 250-263.	2.3	27
16	Cerebral dopamine neurotrophic factor reduces $\alpha$ -synuclein aggregation and propagation and alleviates behavioral alterations in vivo. <i>Molecular Therapy</i> , 2021, 29, 2821-2840.	8.2	26
17	Downregulation of tyrosine hydroxylase phenotype after AAV injection above substantia nigra: Caution in experimental models of Parkinson's disease. <i>Journal of Neuroscience Research</i> , 2018, 97, 346-361.	2.9	24
18	Glial Cell Line-Derived Neurotrophic Factor Receptor Rearranged During Transfection Agonist Supports Dopamine Neurons <i>In Vitro</i> and Enhances Dopamine Release <i>In Vivo</i> . <i>Movement Disorders</i> , 2020, 35, 245-255.	3.9	24

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19	Survival and Motor Phenotypes in FVB C9-500 ALS/FTD BAC Transgenic Mice Reproduced by Multiple Labs. <i>Neuron</i> , 2020, 108, 784-796.e3.	8.1	22
20	Double Split Rings as Extremely Small and Tuneable Antennas for Brain Implantable Wireless Medical Microsystems. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 760-768.	5.1	22
21	Pre- $\beta$ -pro-GDNF and Pre- $\beta$ -pro-GDNF Isoforms Are Neuroprotective in the 6-hydroxydopamine Rat Model of Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 457.	2.4	21
22	Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) Elevates Stimulus-Evoked Release of Dopamine in Freely-Moving Rats. <i>Molecular Neurobiology</i> , 2018, 55, 6755-6768.	4.0	11
23	Neuroprotective Potential of a Small Molecule RET Agonist in Cultured Dopamine Neurons and Hemiparkinsonian Rats. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1023-1046.	2.8	8
24	Cerebral Dopamine Neurotrophic Factor Diffuses Around the Brainstem and Does Not Undergo Anterograde Transport After Injection to the Substantia Nigra. <i>Frontiers in Neuroscience</i> , 2019, 13, 590.	2.8	7
25	MANF Is Neuroprotective in Early Stages of EAE, and Elevated in Spinal White Matter by Treatment With Dexamethasone. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 640084.	3.7	7
26	GDNF Receptor Agonist Alleviates Motor Imbalance in Unilateral 6-Hydroxydopamine Model of Parkinson's Disease. , 2020, 1, 100004.		1
27	Antennas and Wireless Power Transfer to Small Biomedical Brain Implants. , 2022, , .		1