Marina Papoutsi

List of Publications by Citations

86 papers	7,659 citations	33 h-index	87 g-index
92 ext. papers	9,199 ext. citations	9.7 avg, IF	6.02 L-index

#	Paper	IF	Citations
86	Huntington's disease: from molecular pathogenesis to clinical treatment. *Lancet Neurology, The*, **2011**, 10, 83-98	24.1	1101
85	Biological and clinical manifestations of Huntington's disease in the longitudinal TRACK-HD study: cross-sectional analysis of baseline data. *Lancet Neurology, The*, **2009**, 8, 791-801	24.1	721
84	Huntington disease. *Nature Reviews Disease Primers*, **2015**, 1, 15005	51.1	672
83	Huntington disease: natural history, biomarkers and prospects for therapeutics. *Nature Reviews Neurology*, **2014**, 10, 204-16	15	600
82	Predictors of phenotypic progression and disease onset in premanifest and early-stage Huntington's disease in the TRACK-HD study: analysis of 36-month observational data. *Lancet Neurology, The*, **2013**, 12, 637-49	24.1	557
81	Biological and clinical changes in premanifest and early stage Huntington's disease in the TRACK-HD study: the 12-month longitudinal analysis. *Lancet Neurology, The*, **2011**, 10, 31-42	24.1	443
80	Potential endpoints for clinical trials in premanifest and early Huntington's disease in the TRACK-HD study: analysis of 24 month observational data. *Lancet Neurology, The*, **2012**, 11, 42-53	24.1	392
79	Targeting Huntingtin Expression in Patients with Huntington's Disease. *New England Journal of Medicine*, **2019**, 380, 2307-2316	59.2	319
78	Therapies targeting DNA and RNA in Huntington's disease. *Lancet Neurology, The*, **2017**, 16, 837-847	24.1	175
77	Left inferior frontal cortex and syntax: function, structure and behaviour in patients with left hemisphere damage. *Brain*, **2011**, 134, 415-31	11.2	167
76	Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study. *Lancet Neurology, The*, **2017**, 16, 701-711	24.1	161
75	Quantification of mutant huntingtin protein in cerebrospinal fluid from Huntington's disease patients. *Journal of Clinical Investigation*, **2015**, 125, 1979-86	15.9	144
74	White matter connections reflect changes in voluntary-guided saccades in pre-symptomatic Huntington's disease. *Brain*, **2008**, 131, 196-204	11.2	143
73	From phonemes to articulatory codes: an fMRI study of the role of Broca's area in speech production. *Cerebral Cortex*, **2009**, 19, 2156-65	5.1	119
72	Targets for future clinical trials in Huntington's disease: what's in the pipeline?. *Movement Disorders* , **2014**, 29, 1434-45	7	104
71	Early changes in white matter pathways of the sensorimotor cortex in premanifest Huntington's disease. *Human Brain Mapping*, **2012**, 33, 203-12	5.9	104
70	Huntingtin Lowering Strategies for Disease Modification in Huntington's Disease. *Neuron*, **2019**, 101, 801-819	13.9	102

69	Early atrophy of pallidum and accumbens nucleus in Huntington's disease. *Journal of Neurology*, **2011**, 258, 412-20	5.5	98
68	The cognitive burden in Huntington's disease: pathology, phenotype, and mechanisms of compensation. *Movement Disorders*, **2014**, 29, 673-83	7	91
67	Compensation in Preclinical Huntington's Disease: Evidence From the Track-On HD Study. *EBioMedicine*, **2015**, 2, 1420-9	8.8	91
66	The progression of regional atrophy in premanifest and early Huntington's disease: a longitudinal voxel-based morphometry study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2010**, 81, 756-63	5.5	90
65	Functional compensation of motor function in pre-symptomatic Huntington's disease. *Brain*, **2009**, 132, 1624-32	11.2	87
64	Emotion recognition in Huntington's disease: a systematic review. *Neuroscience and Biobehavioral Reviews*, **2012**, 36, 237-53	9	75
63	Altered brain mechanisms of emotion processing in pre-manifest Huntington's disease. *Brain*, **2012**, 135, 1165-79	11.2	69
62	Selective vulnerability of Rich Club brain regions is an organizational principle of structural connectivity loss in Huntington's disease. *Brain*, **2015**, 138, 3327-44	11.2	66
61	Irritability in pre-clinical Huntington's disease. *Neuropsychologia*, **2010**, 48, 549-57	3.2	61
60	Is left fronto-temporal connectivity essential for syntax? Effective connectivity, tractography and performance in left-hemisphere damaged patients. *NeuroImage*, **2011**, 58, 656-64	7.9	60
59	Biological and clinical characteristics of gene carriers far from predicted onset in the Huntington's disease Young Adult Study (HD-YAS): a cross-sectional analysis. *Lancet Neurology, The*, **2020**, 19, 502-512	24.1	56
58	Brain Regions Showing White Matter Loss in Huntington's Disease Are Enriched for Synaptic and Metabolic Genes. *Biological Psychiatry*, **2018**, 83, 456-465	7.9	54
57	White matter integrity in premanifest and early Huntington's disease is related to caudate loss and disease progression. *Cortex*, **2014**, 52, 98-112	3.8	46
56	Neurofilament light protein in blood predicts regional atrophy in Huntington disease. *Neurology*, **2018**, 90, e717-e723	6.5	42
55	Operationalizing compensation over time in neurodegenerative disease. *Brain*, **2017**, 140, 1158-1165	11.2	39
54	Visuospatial Processing Deficits Linked to Posterior Brain Regions in Premanifest and Early Stage Huntington's Disease. *Journal of the International Neuropsychological Society*, **2016**, 22, 595-608	3.1	33
53	RNA-Seq of Huntington's disease patient myeloid cells reveals innate transcriptional dysregulation associated with proinflammatory pathway activation. *Human Molecular Genetics*, **2016**, 25, 2893-2904	5.6	33
52	An image-based model of brain volume biomarker changes in Huntington's disease. *Annals of Clinical and Translational Neurology*, **2018**, 5, 570-582	5.3	31

51	In vivo characterization of white matter pathology in premanifest huntington's disease. *Annals of Neurology*, **2018**, 84, 497-504	9.4	29
50	Evaluation of multi-modal, multi-site neuroimaging measures in Huntington's disease: Baseline results from the PADDINGTON study. *NeuroImage: Clinical*, **2012**, 2, 204-11	5.3	29
49	Neuropsychiatry and White Matter Microstructure in Huntington's Disease. *Journal of Huntington's Disease*, **2015**, 4, 239-49	1.9	27
48	Topological length of white matter connections predicts their rate of atrophy in premanifest Huntington's disease. *JCI Insight*, **2017**, 2,	9.9	27
47	Disruption of immune cell function by mutant huntingtin in Huntington's disease pathogenesis. *Current Opinion in Pharmacology*, **2016**, 26, 33-8	5.1	26
46	Interregional compensatory mechanisms of motor functioning in progressing preclinical neurodegeneration. *NeuroImage*, **2013**, 75, 146-154	7.9	26
45	Basal ganglia-cortical structural connectivity in Huntington's disease. *Human Brain Mapping*, **2015**, 36, 1728-40	5.9	26
44	Stimulating neural plasticity with real-time fMRI neurofeedback in Huntington's disease: A proof of concept study. *Human Brain Mapping*, **2018**, 39, 1339-1353	5.9	24
43	Association of CAG Repeats With Long-term Progression in Huntington Disease. *JAMA Neurology*, **2019**, 76, 1375-1385	17.2	22
42	White matter predicts functional connectivity in premanifest Huntington's disease. *Annals of Clinical and Translational Neurology*, **2017**, 4, 106-118	5.3	21
41	The human motor cortex microcircuit: insights for neurodegenerative disease. *Nature Reviews Neuroscience*, **2020**, 21, 401-415	13.5	20
40	Measuring compensation in neurodegeneration using MRI. *Current Opinion in Neurology*, **2017**, 30, 380-387	7.1	20
39	Testing a longitudinal compensation model in premanifest Huntington's disease. *Brain*, **2018**, 141, 2156-2166	11.6	19
38	Structural and functional brain network correlates of depressive symptoms in premanifest Huntington's disease. *Human Brain Mapping*, **2017**, 38, 2819-2829	5.9	17
37	Endogenous fluctuations in the dopaminergic midbrain drive behavioral choice variability. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 18732-18737	11.5	16
36	Motor cortex synchronization influences the rhythm of motor performance in premanifest huntington's disease. *Movement Disorders*, **2018**, 33, 440-448	7	14
35	Cross-sectional and longitudinal voxel-based grey matter asymmetries in Huntington's disease. *NeuroImage: Clinical*, **2018**, 17, 312-324	5.3	14
34	Structural imaging in premanifest and manifest Huntington disease. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2017**, 144, 247-261	3	14

33	Can we predict real-time fMRI neurofeedback learning success from pretraining brain activity?. *Human Brain Mapping*, **2020**, 41, 3839-3854	5.9	13
32	Natural biological variation of white matter microstructure is accentuated in Huntington's disease. *Human Brain Mapping*, **2018**, 39, 3516-3527	5.9	11
31	A17 HD brain-train: neuroplasticity as a target to improve function in huntington disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A5.3-A5	5.5	10
30	Dynamics of Cortical Degeneration Over a Decade in Huntington's Disease. *Biological Psychiatry*, **2021**, 89, 807-816	7.9	10
29	Altered Intracortical T-Weighted/T-Weighted Ratio Signal in Huntington's Disease. *Frontiers in Neuroscience*, **2018**, 12, 805	5.1	8
28	Test-Retest Reliability of Measures Commonly Used to Measure Striatal Dysfunction across Multiple Testing Sessions: A Longitudinal Study. *Frontiers in Psychology*, **2017**, 8, 2363	3.4	6
27	Characterizing White Matter in Huntington's Disease. *Movement Disorders Clinical Practice*, **2020**, 7, 52-60	2.2	6
26	Detection of Motor Changes in Huntington's Disease Using Dynamic Causal Modeling. *Frontiers in Human Neuroscience*, **2015**, 9, 634	3.3	5
25	Diffusion imaging in Huntington's disease: comprehensive review. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**,	5.5	5
24	Relating quantitative 7T MRI across cortical depths to cytoarchitectonics, gene expression and connectomics. *Human Brain Mapping*, **2021**, 42, 4996-5009	5.9	5
23	Activity or Connectivity? Evaluating neurofeedback training in Huntington disease		4
22	Activity or connectivity? A randomized controlled feasibility study evaluating neurofeedback training in Huntington's disease. *Brain Communications*, **2020**, 2, fcaa049	4.5	4
21	Altered iron and myelin in premanifest Huntington's Disease more than 20 years before clinical onset: Evidence from the cross-sectional HD Young Adult Study. *EBioMedicine*, **2021**, 65, 103266	8.8	4
20	Working Memory-Related Effective Connectivity in Huntington's Disease Patients. *Frontiers in Neurology*, **2018**, 9, 370	4.1	4
19	Can we predict real-time fMRI neurofeedback learning success from pre-training brain activity?		3
18	Fronto-striatal circuits for cognitive flexibility in far from onset Huntington's disease: evidence from the Young Adult Study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2021**, 92, 143-149	5.5	3
17	Longitudinal Structural MRI in Neurologically Healthy Adults. *Journal of Magnetic Resonance Imaging*, **2020**, 52, 1385-1399	5.6	2
16	Revealing the Timeline of Structural MRI Changes in Premanifest to Manifest Huntington Disease. *Neurology: Genetics*, **2021**, 7, e617	3.8	2

15	Imbalanced basal ganglia connectivity is associated with motor deficits and apathy in Huntington's disease. *Brain*, **2021**,	11.2	2
14	Determinants of Real-Time fMRI Neurofeedback Performance and Improvement a Machine Learning Mega-Analysis		2
13	Predictors of real-time fMRI neurofeedback performance and improvement - A machine learning mega-analysis. *NeuroImage*, **2021**, 237, 118207	7.9	2
12	Timing of selective basal ganglia white matter loss in premanifest Huntington's disease.. *NeuroImage: Clinical*, **2022**, 33, 102927	5.3	1
11	Relating quantitative 7T MRI across cortical depths to cytoarchitectonics, gene expression and connectomics: a framework for tracking neurodegenerative disease		1
10	Timing of selective basal ganglia white matter loss in Huntington disease		1
9	Aberrant Striatal Value Representation in Huntington's Disease Gene Carriers 25 Years Before Onset. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 910-918	3.4	1
8	Huntington Disease Integrated Staging System (HD-ISS): A Novel Evidence-Based Classification System For Staging		1
7	Tracking Huntington's Disease Progression Using Motor, Functional, Cognitive, and Imaging Markers. *Movement Disorders*, **2021**, 36, 2282-2292	7	0
6	Multimodal characterization of the visual network in Huntington's disease gene carriers. *Clinical Neurophysiology*, **2019**, 130, 2053-2059	4.3	
5	D20 Operationalising compensation over time in neurodegenerative disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A41.2-A41	5.5	
4	D22 Compensation in preclinical huntington disease: evidence from the track-on HD study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A42.2-A42	5.5	
3	1609 Length of white matter connexions determine their rate of atrophy in premanifest huntington disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, A9.2-A9	5.5	
2	9 Aberrant striatal value representation in Huntington disease gene carriers 25 years before onset. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, e4.1-e4	5.5	
1	Learning Subject-Specific Directed Acyclic Graphs With Mixed Effects Structural Equation Models From Observational Data. *Frontiers in Genetics*, **2018**, 9, 430	4.5	