Daniel M Johnstone

List of Publications by Year
in descending order

63	2,194	172457	243625
papers	citations	29 h-index	44 g-index

68	68	68	2468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Turning On Lights to Stop Neurodegeneration: The Potential of Near Infrared Light Therapy in Alzheimer's and Parkinson's Disease. Frontiers in Neuroscience, 2015, 9, 500.	2.8	122
2	Photobiomodulation with near infrared light mitigates Alzheimerâ€™s disease-related pathology in cerebral cortex â€“ evidence from two transgenic mouse models. Alzheimer's Research and Therapy, 2014, 6, 2.	6.2	118
3	Indirect application of near infrared light induces neuroprotection in a mouse model of parkinsonism â€“ An abscopal neuroprotective effect. Neuroscience, 2014, 274, 93-101.	2.3	104
4	Nearâ€infrared light is neuroprotective in a monkey model of <scp>P</scp>arkinson disease. Annals of Neurology, 2016, 79, 59-75.	5.3	83
5	Photobiomodulation inside the brain: a novel method of applying near-infrared light intracranially and its impact on dopaminergic cell survival in MPTP-treated mice. Journal of Neurosurgery, 2014, 120, 670-683.	1.6	81
6	The Mechanical Cause of Age-Related Dementia (Alzheimer's Disease): The Brain is Destroyed by the Pulse. Journal of Alzheimer's Disease, 2015, 44, 355-373.	2.6	79
7	Role of iron in the pathogenesis of respiratory disease. International Journal of Biochemistry and Cell Biology, 2017, 88, 181-195.	2.8	77
8	The Fat1 cadherin is overexpressed and an independent prognostic factor for survival in paired diagnosisâ€“relapse samples of precursor B-cell acute lymphoblastic leukemia. Leukemia, 2012, 26, 918-926.	7.2	73
9	Multivariate Protein Signatures of Pre-Clinical Alzheimer's Disease in the Alzheimer's Disease Neuroimaging Initiative (ADNI) Plasma Proteome Dataset. PLoS ONE, 2012, 7, e34341.	2.5	73
10	Critical role for iron accumulation in the pathogenesis of fibrotic lung disease. Journal of Pathology, 2020, 251, 49-62.	4.5	67
11	Hepatic iron loading in mice increases cholesterol biosynthesis. Hepatology, 2010, 52, 462-471.	7.3	66
12	The impact of near-infrared light on dopaminergic cell survival in a transgenic mouse model of parkinsonism. Brain Research, 2013, 1535, 61-70.	2.2	64
13	Photobiomodulation preserves behaviour and midbrain dopaminergic cells from MPTP toxicity: evidence from two mouse strains. BMC Neuroscience, 2013, 14, 40.	1.9	57
14	Saffron Pre-Treatment Offers Neuroprotection to Nigral and Retinal Dopaminergic Cells of MPTP-Treated mice. Journal of Parkinson's Disease, 2013, 3, 77-83.	2.8	56
15	Near infrared light mitigates cerebellar pathology in transgenic mouse models of dementia. Neuroscience Letters, 2015, 591, 155-159.	2.1	55
16	810nm near-infrared light offers neuroprotection and improves locomotor activity in MPTP-treated mice. Neuroscience Research, 2015, 92, 86-90.	1.9	51
17	Brain iron accumulation affects myelin-related molecular systems implicated in a rare neurogenetic disease family with neuropsychiatric features. Molecular Psychiatry, 2016, 21, 1599-1607.	7.9	45
18	Photobiomodulation of the microbiome: implications for metabolic and inflammatory diseases. Lasers in Medical Science, 2019, 34, 317-327.	2.1	45

#	Article	IF	Citations
19	Pre-conditioning with Remote Photobiomodulation Modulates the Brain Transcriptome and Protects Against MPTP Insult in Mice. Neuroscience, 2019, 400, 85-97.	2.3	45
20	â€œPhotobiomicsâ€• Can Light, Including Photobiomodulation, Alter the Microbiome?. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 681-693.	1.4	44
21	Crucial role for lung iron level and regulation in the pathogenesis and severity of asthma. European Respiratory Journal, 2020, 55, 1901340.	6.7	40
22	Haemochromatosis HFE gene polymorphisms as potential modifiers of hereditary nonpolyposis colorectal cancer risk and onset age. International Journal of Cancer, 2009, 125, 78-83.	5.1	39
23	Intracranial application of near-infrared light in a hemi-parkinsonian rat model: the impact on behavior and cell survival. Journal of Neurosurgery, 2016, 124, 1829-1841.	1.6	38
24	Near-infrared light treatment reduces astrogliosis in MPTP-treated monkeys. Experimental Brain Research, 2016, 234, 3225-3232.	1.5	36
25	The behavioural and neuroprotective outcomes when 670 nm and 810 nm near infrared light are applied together in MPTP-treated mice. Neuroscience Research, 2017, 117, 42-47.	1.9	36
26	Targeting the body to protect the brain: inducing neuroprotection with remotely-applied near infrared light. Neural Regeneration Research, 2015, 10, 349.	3.0	35
27	The effect of different doses of near infrared light on dopaminergic cell survival and gliosis in MPTP-treated mice. International Journal of Neuroscience, 2016, 126, 76-87.	1.6	34
28	The Response of Cerebral Cortex to Haemorrhagic Damage: Experimental Evidence from a Penetrating Injury Model. PLoS ONE, 2013, 8, e59740.	2.5	33
29	Effects of a higher dose of near-infrared light on clinical signs and neuroprotection in a monkey model of Parkinson's disease. Brain Research, 2016, 1648, 19-26.	2.2	31
30	Near-infrared light (670Ânm) reduces MPTP-induced parkinsonism within a broad therapeutic time window. Experimental Brain Research, 2016, 234, 1787-1794.	1.5	31
31	Molecular genetic approaches to understanding the roles and regulation of iron in brain health and disease. Journal of Neurochemistry, 2010, 113, 1387-1402.	3.9	30
32	Remote tissue conditioning is neuroprotective against MPTP insult in mice. IBRO Reports, 2018, 4, 14-17.	0.3	29
33	Acquired Resilience: An Evolved System of Tissue Protection in Mammals. Dose-Response, 2018, 16, 155932581880342.	1.6	29
34	Remote tissue conditioning â€" An emerging approach for inducing body-wide protection against diseases of ageing. Ageing Research Reviews, 2017, 37, 69-78.	10.9	28
35	Genome-wide microarray analysis of brain gene expression in mice on a short-term high iron diet. Neurochemistry International, 2010, 56, 856-863.	3.8	27
36	Unveiling Clusters of RNA Transcript Pairs Associated with Markers of Alzheimerâ€™s Disease Progression. PLoS ONE, 2012, 7, e45535.	2.5	26

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37	Gene co-expression networks shed light into diseases of brain iron accumulation. Neurobiology of Disease, 2016, 87, 59-68.	4.4	24
38	The nexus of iron and inflammation in hepcidin regulation: SMADs, STATs, and ECSIT. Hepatology, 2007, 45, 253-256.	7.3	21
39	Remote Ischemic Preconditioning Protects Retinal Photoreceptors: Evidence From a Rat Model of Light-Induced Photoreceptor Degeneration. , 2016, 57, 5302.		18
40	Assessment of evidence for or against contributions of Chlamydia pneumoniae infections to Alzheimerâ€™s disease etiology. Brain, Behavior, and Immunity, 2020, 83, 22-32.	4.1	18
41	Exploring the Use of Intracranial and Extracranial (Remote) Photobiomodulation Devices in Parkinsonâ€™s Disease: A Comparison of Direct and Indirect Systemic Stimulations. Journal of Alzheimer's Disease, 2021, 83, 1399-1413.	2.6	18
42	Remote photobiomodulation: an emerging strategy for neuroprotection. Neural Regeneration Research, 2019, 14, 2086.	3.0	16
43	Photobiomodulation Mitigates Cerebrovascular Leakage Induced by the Parkinsonian Neurotoxin MPTP. Biomolecules, 2019, 9, 564.	4.0	15
44	Emerging real-time technologies in molecular medicine and the evolution of integrated â€˜pharmacomicsâ€™ approaches to personalized medicine and drug discovery. , 2012, 136, 295-304.		14
45	Brain transcriptome perturbations in the Hfeâ^'/â^' mouse model of genetic iron loading. Brain Research, 2012, 1448, 144-152.	2.2	14
46	Widespread brain transcriptome alterations underlie the neuroprotective actions of dietary saffron. Journal of Neurochemistry, 2016, 139, 858-871.	3.9	14
47	Brain transcriptome perturbations in the transferrin receptor 2 mutant mouse support the case for brain changes in iron loading disorders, including effects relating to long-term depression and long-term potentiation. Neuroscience, 2013, 235, 119-128.	2.3	12
48	Evaluation of Different Normalization and Analysis Procedures for Illumina Gene Expression Microarray Data Involving Small Changes. Microarrays (Basel, Switzerland), 2013, 2, 131-152.	1.4	12
49	Neuroprotective properties of dietary saffron: more than just a chemical scavenger?. Neural Regeneration Research, 2017, 12, 210.	3.0	12
50	Changes in Brain Transcripts Related to Alzheimer's Disease in a Model of HFE Hemochromatosis are not Consistent with Increased Alzheimer's Disease Risk. Journal of Alzheimer's Disease, 2012, 30, 791-803.	2.6	11
51	Advantages of Array-Based Technologies for Pre-Emptive Pharmacogenomics Testing. Microarrays (Basel, Switzerland), 2016, 5, 12.	1.4	9
52	Elucidating the time course of the transcriptomic response to photobiomodulation through gene co-expression analysis. Journal of Photochemistry and Photobiology B: Biology, 2020, 208, 111916.	3.8	8
53	The potential of light therapy in Parkinson's disease. ChronoPhysiology and Therapy, 2014, , 1.	0.5	7
54	Pathological relationships involving iron and myelin may constitute a shared mechanism linking various rare and common brain diseases. Rare Diseases (Austin, Tex), 2016, 4, e1198458.	1.8	7

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55	Beyond Statistics: A New Combinatorial Approach to Identifying Biomarker Panels for the Early Detection and Diagnosis of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 39, 211-217.	2.6	4
56	Brain changes in iron loading disorders. , 2012, , 17-29.		4
57	Remote photobiomodulation as a neuroprotective interventionâ€”harnessing the indirect effects of photobiomodulation. , 2019, , 139-154.		2
58	K369I Tau Mice Demonstrate a Shift Towards Striatal Neuron Burst Firing and Goal-directed Behaviour. Neuroscience, 2020, 449, 46-62.	2.3	2
59	Investigating the Links between Lower Iron Status in Pregnancy and Respiratory Disease in Offspring Using Murine Models. Nutrients, 2021, 13, 4461.	4.1	2
60	Photobiomodulation as a neuroprotective strategy for Parkinson's disease. , 2020, , 697-712.		1
61	P3-230: Alterations in the expression of genes important in Alzheimer's disease (APP, presenilin 1, tau) in the HFE knockout mouse model of the iron disorder hemochromatosis. , 2008, 4, T588.		0
62	Soluble lipoprotein receptor-related protein immunoreactive species in cell culture media and serum replacement supplements. Analytical Methods, 2017, 9, 110-116.	2.7	0
63	MATRIX METALLOPROTEINASES AND RELATED PROTEINS IN ALZHEIMER'S DISEASE, PARKINSON'S DISEASE AND OTHER NEURODEGENERATIVE DISORDERS. , 2005, , 279-310.		0