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	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
2	Investigating the Links between Lower Iron Status in Pregnancy and Respiratory Disease in Offspring Using Murine Models. Nutrients, 2021, 13, 4461.	4.1	2
3	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
4	Crucial role for lung iron level and regulation in the pathogenesis and severity of asthma. European Respiratory Journal, 2020, 55, 1901340.	6.7	40
5	Critical role for iron accumulation in the pathogenesis of fibrotic lung disease. Journal of Pathology, 2020, 251, 49-62.	4.5	67
6	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
7	Photobiomodulation as a neuroprotective strategy for Parkinson's disease. , 2020, , 697-712.		1
8	K369I Tau Mice Demonstrate a Shift Towards Striatal Neuron Burst Firing and Goal-directed Behaviour. Neuroscience, 2020, 449, 46-62.	2.3	2
9	Photobiomodulation of the microbiome: implications for metabolic and inflammatory diseases. Lasers in Medical Science, 2019, 34, 317-327.	2.1	45
10	Remote photobiomodulation as a neuroprotective interventionâ€”harnessing the indirect effects of photobiomodulation. , 2019, , 139-154.		2
11	â€œPhotobiomicsâ€• Can Light, Including Photobiomodulation, Alter the Microbiome?. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 681-693.	1.4	44
12	Photobiomodulation Mitigates Cerebrovascular Leakage Induced by the Parkinsonian Neurotoxin MPTP. Biomolecules, 2019, 9, 564.	4.0	15
13	Pre-conditioning with Remote Photobiomodulation Modulates the Brain Transcriptome and Protects Against MPTP Insult in Mice. Neuroscience, 2019, 400, 85-97.	2.3	45
14	Remote photobiomodulation: an emerging strategy for neuroprotection. Neural Regeneration Research, 2019, 14, 2086.	3.0	16
15	Remote tissue conditioning is neuroprotective against MPTP insult in mice. IBRO Reports, 2018, 4, 14-17.	0.3	29
16	Acquired Resilience: An Evolved System of Tissue Protection in Mammals. Dose-Response, 2018, 16, 155932581880342.	1.6	29
17	Role of iron in the pathogenesis of respiratory disease. International Journal of Biochemistry and Cell Biology, 2017, 88, 181-195.	2.8	77
18	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

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19	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
20	Soluble lipoprotein receptor-related protein immunoreactive species in cell culture media and serum replacement supplements. Analytical Methods, 2017, 9, 110-116.	2.7	0
21	Neuroprotective properties of dietary saffron: more than just a chemical scavenger?. Neural Regeneration Research, 2017, 12, 210.	3.0	12
22	Remote Ischemic Preconditioning Protects Retinal Photoreceptors: Evidence From a Rat Model of Light-Induced Photoreceptor Degeneration. , 2016, 57, 5302.		18
23	Advantages of Array-Based Technologies for Pre-Emptive Pharmacogenomics Testing. Microarrays (Basel, Switzerland), 2016, 5, 12.	1.4	9
24	Near-infrared light treatment reduces astrogliosis in MPTP-treated monkeys. Experimental Brain Research, 2016, 234, 3225-3232.	1.5	36
25	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
26	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
27	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
28	Widespread brain transcriptome alterations underlie the neuroprotective actions of dietary saffron. Journal of Neurochemistry, 2016, 139, 858-871.	3.9	14
29	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
30	Gene co-expression networks shed light into diseases of brain iron accumulation. Neurobiology of Disease, 2016, 87, 59-68.	4.4	24
31	Near-infrared light (670Ânm) reduces MPTP-induced parkinsonism within a broad therapeutic time window. Experimental Brain Research, 2016, 234, 1787-1794.	1.5	31
32	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
33	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
34	Near infrared light mitigates cerebellar pathology in transgenic mouse models of dementia. Neuroscience Letters, 2015, 591, 155-159.	2.1	55
35	810nm near-infrared light offers neuroprotection and improves locomotor activity in MPTP-treated mice. Neuroscience Research, 2015, 92, 86-90.	1.9	51
36	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

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37	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
38	Targeting the body to protect the brain: inducing neuroprotection with remotely-applied near infrared light. Neural Regeneration Research, 2015, 10, 349.	3.0	35
39	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
40	The potential of light therapy in Parkinson's disease. ChronoPhysiology and Therapy, 2014, , 1.	0.5	7
41	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
42	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
43	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
44	Photobiomodulation preserves behaviour and midbrain dopaminergic cells from MPTP toxicity: evidence from two mouse strains. BMC Neuroscience, 2013, 14, 40.	1.9	57
45	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
46	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
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	The Response of Cerebral Cortex to Haemorrhagic Damage: Experimental Evidence from a Penetrating Injury Model. PLoS ONE, 2013, 8, e59740.	2.5	33
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	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
52	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
53	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
54	Brain transcriptome perturbations in the Hfeâˆ’/âˆ’ mouse model of genetic iron loading. Brain Research, 2012, 1448, 144-152.	2.2	14

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55	Brain changes in iron loading disorders. , 2012, , 17-29.		4
56	Unveiling Clusters of RNA Transcript Pairs Associated with Markers of Alzheimerâ€™s Disease Progression. PLoS ONE, 2012, 7, e45535.	2.5	26
57	Hepatic iron loading in mice increases cholesterol biosynthesis. Hepatology, 2010, 52, 462-471.	7.3	66
58	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
59	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
60	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
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	The nexus of iron and inflammation in hepcidin regulation: SMADs, STATs, and ECSIT. Hepatology, 2007, 45, 253-256.	7.3	21
63	MATRIX METALLOPROTEINASES AND RELATED PROTEINS IN ALZHEIMER'S DISEASE, PARKINSON'S DISEASE AND OTHER NEURODEGENERATIVE DISORDERS. , 2005, , 279-310.		0