

Ryan S Anderton

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,240
citations

394421

19
h-index

477307

29
g-index

72
all docs

72
docs citations

72
times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered Gut Microbiome in Parkinson's Disease and the Influence of Lipopolysaccharide in a Human β -Synuclein Over-Expressing Mouse Model. <i>Frontiers in Neuroscience</i> , 2019, 13, 839.	2.8	122
2	Poly-Arginine and Arginine-Rich Peptides are Neuroprotective in Stroke Models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 993-1004.	4.3	78
3	Neuroprotective peptides fused to arginine-rich cell penetrating peptides: Neuroprotective mechanism likely mediated by peptide endocytic properties. , 2015, 153, 36-54.		71
4	Neuroprotective efficacy of poly-arginine R18 and NA-1 (TAT-NR2B9c) peptides following transient middle cerebral artery occlusion in the rat. <i>Neuroscience Research</i> , 2017, 114, 9-15.	1.9	49
5	Structural Variants May Be a Source of Missing Heritability in sALS. <i>Frontiers in Neuroscience</i> , 2020, 14, 47.	2.8	43
6	TLR2 and TLR4 in Parkinson's disease pathogenesis: the environment takes a toll on the gut. <i>Translational Neurodegeneration</i> , 2021, 10, 47.	8.0	40
7	The Neuroprotective Peptide Poly-Arginine-12 (R12) Reduces Cell Surface Levels of NMDA NR2B Receptor Subunit in Cortical Neurons; Investigation into the Involvement of Endocytic Mechanisms. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 235-246.	2.3	39
8	Novel STMN2 Variant Linked to Amyotrophic Lateral Sclerosis Risk and Clinical Phenotype. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 658226.	3.4	38
9	Assessment of the Neuroprotective Effects of Arginine-Rich Protamine Peptides, Poly-Arginine Peptides (R12-Cyclic, R22) and Arginine-Tryptophan-Containing Peptides Following In Vitro Excitotoxicity and/or Permanent Middle Cerebral Artery Occlusion in Rats. <i>NeuroMolecular Medicine</i> , 2017, 19, 271-285.	3.4	37
10	Mitochondria and neuroprotection in stroke: Cationic arginine-rich peptides (CARPs) as a novel class of mitochondria-targeted neuroprotective therapeutics. <i>Neurobiology of Disease</i> , 2019, 121, 17-33.	4.4	37
11	Poly-arginine peptides reduce infarct volume in a permanent middle cerebral artery rat stroke model. <i>BMC Neuroscience</i> , 2016, 17, 19.	1.9	35
12	Assessment of R18, COG1410, and APP96-110 in excitotoxicity and traumatic brain injury. <i>Translational Neuroscience</i> , 2017, 8, 147-157.	1.4	28
13	Modification to the Rice-Vannucci perinatal hypoxic-ischaemic encephalopathy model in the P7 rat improves the reliability of cerebral infarct development after 48 hours. <i>Journal of Neuroscience Methods</i> , 2017, 288, 62-71.	2.5	28
14	Poly-arginine R18 and R18D (D-enantiomer) peptides reduce infarct volume and improves behavioural outcomes following perinatal hypoxic-ischaemic encephalopathy in the P7 rat. <i>Molecular Brain</i> , 2018, 11, 8.	2.6	26
15	Comparison of neuroprotective efficacy of poly-arginine R18 and R18D (D-enantiomer) peptides following permanent middle cerebral artery occlusion in the Wistar rat and in vitro toxicity studies. <i>PLoS ONE</i> , 2018, 13, e0193884.	2.5	26
16	The Potential Role of Genetic Markers in Talent Identification and Athlete Assessment in Elite Sport. <i>Sports</i> , 2018, 6, 88.	1.7	25
17	Elevated Serum Homocysteine Levels Have Differential Gender-Specific Associations with Motor and Cognitive States in Parkinson's Disease. <i>Parkinson's Disease</i> , 2019, 2019, 1-8.	1.1	25
18	Predicting Academic Success of Health Science Students for First Year Anatomy and Physiology. <i>International Journal of Higher Education</i> , 2015, 5, .	0.5	24

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19	Characterisation of neuroprotective efficacy of modified poly-arginine-9 (R9) peptides using a neuronal glutamic acid excitotoxicity model. <i>Molecular and Cellular Biochemistry</i> , 2017, 426, 75-85.	3.1	21
20	Poly-Arginine Peptide-18 (R18) Reduces Brain Injury and Improves Functional Outcomes in a Nonhuman Primate Stroke Model. <i>Neurotherapeutics</i> , 2020, 17, 627-634.	4.4	21
21	Differential effects of sex on longitudinal patterns of cognitive decline in Parkinson's disease. <i>Journal of Neurology</i> , 2021, 268, 1903-1912.	3.6	21
22	Spinal Muscular Atrophy and the Antiapoptotic Role of Survival of Motor Neuron (SMN) Protein. <i>Molecular Neurobiology</i> , 2013, 47, 821-832.	4.0	20
23	Perinatal Hypoxic-Ischemic Encephalopathy and Neuroprotective Peptide Therapies: A Case for Cationic Arginine-Rich Peptides (CARPs). <i>Brain Sciences</i> , 2018, 8, 147.	2.3	20
24	Extended "Timed Up and Go" assessment as a clinical indicator of cognitive state in Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 2017, 375, 86-91.	0.6	17
25	Single Nucleotide Polymorphisms Associated With Gut Homeostasis Influence Risk and Age-at-Onset of Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 603849.	3.4	16
26	Characterization of Gastrointestinal Symptom Type and Severity in Parkinson's Disease: A Case-Control Study in an Australian Cohort. <i>Movement Disorders Clinical Practice</i> , 2021, 8, 245-253.	1.5	16
27	Co-regulation of survival of motor neuron and Bcl-xL expression: Implications for neuroprotection in spinal muscular atrophy. <i>Neuroscience</i> , 2012, 220, 228-236.	2.3	15
28	Changes in the Gut Microbiome and Predicted Functional Metabolic Effects in an Australian Parkinson's Disease Cohort. <i>Frontiers in Neuroscience</i> , 2021, 15, 756951.	2.8	15
29	Changes in the rodent gut microbiome following chronic restraint stress and low-intensity rTMS. <i>Neurobiology of Stress</i> , 2022, 17, 100430.	4.0	15
30	The neuroprotective potential of arginine-rich peptides for the acute treatment of traumatic brain injury. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 361-363.	2.8	14
31	Identifying factors that contribute to academic success in first year allied health and science degrees at an Australian University. <i>Australian Journal of Education</i> , 2017, 61, 184-199.	1.5	14
32	Flexible Teaching and Learning Modalities in Undergraduate Science Amid the COVID-19 Pandemic. <i>Frontiers in Education</i> , 2021, 5, .	2.1	14
33	Identification of genetic markers for skill and athleticism in sub-elite Australian football players: a pilot study. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018, 58, 241-248.	0.7	13
34	Assessment of therapeutic window for poly-arginine-18D (R18D) in a P7 rat model of perinatal hypoxic-ischaemic encephalopathy. <i>Journal of Neuroscience Research</i> , 2018, 96, 1816-1826.	2.9	12
35	Demographic and Clinical Predictors of Trait Impulsivity in Parkinson's Disease Patients. <i>Parkinson's Disease</i> , 2018, 2018, 1-7.	1.1	12
36	Genetic predictors of match performance in sub-elite Australian football players: A pilot study. <i>Journal of Exercise Science and Fitness</i> , 2019, 17, 41-46.	2.2	12

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37	The gut-brain axis and gut inflammation in Parkinson's disease: stopping neurodegeneration at the toll gate. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 601-604.	3.4	12
38	Survival of motor neuron protein over-expression prevents calpain-mediated cleavage and activation of procaspase-3 in differentiated human SH-SY5Y cells. <i>Neuroscience</i> , 2011, 181, 226-233.	2.3	11
39	Is Cholesterol and Amyloid- β Stress Induced CD147 Expression a Protective Response? Evidence that Extracellular Cyclophilin A Mediated Neuroprotection is Reliant on CD147. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 545-556.	2.6	11
40	Delayed 2-h post-stroke administration of R18 and NA-1 (TAT-NR2B9c) peptides after permanent and/or transient middle cerebral artery occlusion in the rat. <i>Brain Research Bulletin</i> , 2017, 135, 62-68.	3.0	11
41	Peptide Pharmacological Approaches to Treating Traumatic Brain Injury: a Case for Arginine-Rich Peptides. <i>Molecular Neurobiology</i> , 2017, 54, 7838-7857.	4.0	11
42	Poly-arginine Peptide R18D Reduces Neuroinflammation and Functional Deficits Following Traumatic Brain Injury in the Long-Evans Rat. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 1563-1572.	1.9	10
43	Disease-modifying effects of an SCAF4 structural variant in a predominantly SOD1 ALS cohort. <i>Neurology: Genetics</i> , 2020, 6, e470.	1.9	9
44	Association of a structural variant within the SQSTM1 gene with amyotrophic lateral sclerosis. <i>Neurology: Genetics</i> , 2020, 6, e406.	1.9	9
45	Student Perceptions to Teaching Undergraduate Anatomy in Health Sciences. <i>International Journal of Higher Education</i> , 2016, 5, .	0.5	8
46	Advances and challenges in developing a therapy for spinal muscular atrophy. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 895-908.	2.8	8
47	Microglia are both a source and target of extracellular cyclophilin A. <i>Heliyon</i> , 2019, 5, e02390.	3.2	7
48	Tertiary Anatomy and Physiology, A Barrier for Student Success. <i>International Journal of Higher Education</i> , 2019, 9, 289.	0.5	7
49	Elevated HDL Levels Linked to Poorer Cognitive Ability in Females With Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 656623.	3.4	7
50	Proteomic analysis of cortical neuronal cultures treated with poly-arginine peptide-18 (R18) and exposed to glutamic acid excitotoxicity. <i>Molecular Brain</i> , 2019, 12, 66.	2.6	6
51	Assessment of recombinant tissue plasminogen activator (rtPA) toxicity in cultured neural cells and subsequent treatment with poly-arginine peptide R18D. <i>Neurochemical Research</i> , 2020, 45, 1215-1229.	3.3	6
52	The TOMM40 523 polymorphism in disease risk and age of symptom onset in two independent cohorts of Parkinson's disease. <i>Scientific Reports</i> , 2021, 11, 6363.	3.3	6
53	In vitro cellular uptake and neuroprotective efficacy of poly-arginine-18 (R18) and poly-ornithine-18 (O18) peptides: critical role of arginine guanidinium head groups for neuroprotection. <i>Molecular and Cellular Biochemistry</i> , 2020, 464, 27-38.	3.1	5
54	Trait Impulsivity Is Independent of Mild Cognitive Impairment in a Parkinson's Disease Cohort. <i>Parkinson's Disease</i> , 2019, 2019, 1-6.	1.1	4

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55	Effect of Polyarginine Peptide R18D Following a Traumatic Brain Injury in Sprague-Dawley Rats. <i>Current Therapeutic Research</i> , 2020, 92, 100584.	1.2	4
56	ACTN3 (R577X) Genotype Is Associated With Australian Football League Players. <i>Journal of Strength and Conditioning Research</i> , 2022, 36, 573-576.	2.1	4
57	Short structural variants as informative genetic markers for ALS disease risk and progression. <i>BMC Medicine</i> , 2022, 20, 11.	5.5	4
58	Investigation of a recombinant SMN protein delivery system to treat spinal muscular atrophy. <i>Translational Neuroscience</i> , 2014, 5, .	1.4	3
59	Comparative Assessment of the Proteolytic Stability and Impact of Poly-Arginine Peptides R18 and R18D on Infarct Growth and Penumbra Tissue Preservation Following Middle Cerebral Artery Occlusion in the Sprague Dawley Rat. <i>Neurochemical Research</i> , 2021, 46, 1166-1176.	3.3	3
60	An Investigation of Secondary School STEM Subjects as Predictors of Academic Performance in Tertiary Level Health Sciences Programs. <i>International Journal of Higher Education</i> , 2020, 10, 76.	0.5	2
61	Elevated Serum Ceruloplasmin Levels Are Associated with Higher Impulsivity in People with Parkinson's Disease. <i>Parkinson's Disease</i> , 2020, 2020, 1-7.	1.1	2
62	Poly-arginine-18 (R18) Confers Neuroprotection through Glutamate Receptor Modulation, Intracellular Calcium Reduction, and Preservation of Mitochondrial Function. <i>Molecules</i> , 2020, 25, 2977.	3.8	2
63	Association of Genetic Variances in ADRB1 and PPARGC1a with Two-Kilometre Running Time-Trial Performance in Australian Football League Players: A Preliminary Study. <i>Sports</i> , 2021, 9, 22.	1.7	2
64	TOMM40 523 poly-T repeat length is a determinant of longitudinal cognitive decline in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 56.	5.3	2
65	Clinically assessing cognitive function in Parkinson's disease. , 2020, , 409-423.		2
66	Sleep Disturbance and Serum Ferritin Levels Associate with High Impulsivity and Impulse Control Disorders in Male Parkinson's Disease Patients. <i>American Journal of Psychiatry and Neuroscience</i> , 2017, 5, 45.	0.1	2
67	The role of the gastrointestinal system and gut microbiota in Parkinson's disease. , 2020, , 569-582.		1
68	Tissue distribution of intravenously administered poly-arginine peptide R18D in healthy male Sprague-Dawley rats. <i>Future Drug Discovery</i> , 2020, 2, .	2.1	0
69	Lack of Evidence for Decreased Protein Stability in the 2397 (Met) Haplotype of the Leucine Rich Repeat Kinase 2 Protein Implicated in Parkinson's Disease. <i>Advances in Parkinson's Disease</i> , 2017, 06, 113-123.	0.2	0