Cheryl L Wellington

List of Publications by Year
in descending order

58	3,629	159525 30	161767 54
papers	citations	h-index	g-index

60	60	60	6608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vascular contributions to cognitive impairment and dementia including Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 710-717.	0.4	461
2	Vascular dysfunctionâ€"The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.4	454
3	White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2019, 5, 107-117.	1.8	250
4	HDL and cholesterol handling in the brain. Cardiovascular Research, 2014, 103, 405-413.	1.8	172
5	Confronting the controversy: interleukin-6 and the COVID-19 cytokine storm syndrome. European Respiratory Journal, 2020, 56, 2003006.	3.1	172
6	Merging pathology with biomechanics using CHIMERA (Closed-Head Impact Model of Engineered) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Neurodegeneration, 2014, 9, 55.	4.4	148
7	Weathering the COVID-19 storm: Lessons from hematologic cytokine syndromes. Blood Reviews, 2021, 45, 100707.	2.8	137
8	The association of ABO blood group with indices of disease severity and multiorgan dysfunction in COVID-19. Blood Advances, 2020, 4, 4981-4989.	2.5	128
9	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. Alzheimer's and Dementia, 2020, 16, 1714-1733.	0.4	108
10	Cerebral Microvascular Injury: A Potentially Treatable Endophenotype of Traumatic Brain Injury-Induced Neurodegeneration. Neuron, 2019, 103, 367-379.	3.8	95
11	Towards clinical management of traumatic brain injury: a review of models and mechanisms from a biomechanical perspective. DMM Disease Models and Mechanisms, 2013, 6, 1325-38.	1.2	84
12	Clearance of beta-amyloid is facilitated by apolipoprotein E and circulating high-density lipoproteins in bioengineered human vessels. ELife, 2017, 6, .	2.8	83
13	Solving neurodegeneration: common mechanisms and strategies for new treatments. Molecular Neurodegeneration, 2022, 17, 23.	4.4	83
14	High-Density Lipoproteins and Cerebrovascular Integrity in Alzheimerâ€™s Disease. Cell Metabolism, 2014, 19, 574-591.	7.2	76
15	Intravenously Injected Human Apolipoprotein Aâ€‘I Rapidly Enters the Central Nervous System via the Choroid Plexus. Journal of the American Heart Association, 2014, 3, e001156.	1.6	75
16	HDL from an Alzheimer's disease perspective. Current Opinion in Lipidology, 2019, 30, 224-234.	1.2	70
17	Reconstituted high-density lipoproteins acutely reduce soluble brain AÎ² levels in symptomatic APP/PS1 mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1027-1036.	1.8	62
18	Defining the biomechanical and biological threshold of murine mild traumatic brain injury using CHIMERA (Closed Head Impact Model of Engineered Rotational Acceleration). Experimental Neurology, 2017, 292, 80-91.	2.0	61

#	Article	IF	Citations
19	Cholesterol at the crossroads: Alzheimer's disease and lipid metabolism. Clinical Genetics, 2004, 66, 1-16.	1.0	56
20	CHIMERA repetitive mild traumatic brain injury induces chronic behavioural and neuropathological phenotypes in wild-type and APP/PS1 mice. Alzheimer's Research and Therapy, 2019, 11, 6.	3.0	50
21	Primum non nocere: a call for balance when reporting on CTE. Lancet Neurology, The, 2019, 18, 231-233.	4.9	48
22	Assessing the importance of interleukin-6 in COVID-19. Lancet Respiratory Medicine,the, 2021, 9, e13.	5.2	43
23	Soluble interleukin-6 receptor in the COVID-19 cytokine storm syndrome. Cell Reports Medicine, 2021, 2, 100269.	3.3	41
24	Quantification of Neurological Blood-Based Biomarkers in Critically Ill Patients With Coronavirus Disease 2019. , 2020, 2, e0238.		39
25	Age at injury and genotype modify acute inflammatory and neurofilament-light responses to mild CHIMERA traumatic brain injury in wild-type and APP/PS1 mice. Experimental Neurology, 2018, 301, 26-38.	2.0	37
26	Brain Hypoxia Is Associated With Neuroglial Injury in Humans Postâ€“Cardiac Arrest. Circulation Research, 2021, 129, 583-597.	2.0	37
27	Distinct roles for metalloproteinases during traumatic brain injury. Neurochemistry International, 2016, 96, 46-55.	1.9	35
28	High-density lipoproteins suppress AÎ²-induced PBMC adhesion to human endothelial cells in bioengineered vessels and in monoculture. Molecular Neurodegeneration, 2017, 12, 60.	4.4	35
29	Small molecule inducers of ABCA1 and apoE that act through indirect activation of the LXR pathway. Journal of Lipid Research, 2018, 59, 830-842.	2.0	35
30	ApoA-I deficiency increases cortical amyloid deposition, cerebral amyloid angiopathy, cortical and hippocampal astrogliosis, and amyloid-associated astrocyte reactivity in APP/PS1 mice. Alzheimer's Research and Therapy, 2019, 11, 44.	3.0	34
31	Amelioration of COVIDâ€19â€related cytokine storm syndrome: parallels to chimeric antigen receptorâ€T cell cytokine release syndrome. British Journal of Haematology, 2020, 190, e150-e154.	1.2	32
32	Chronic Exposure to Androgenic-Anabolic Steroids Exacerbates Axonal Injury and Microgliosis in the CHIMERA Mouse Model of Repetitive Concussion. PLoS ONE, 2016, 11, e0146540.	1.1	31
33	Increased severity of the CHIMERA model induces acute vascular injury, sub-acute deficits in memory recall, and chronic white matter gliosis. Experimental Neurology, 2020, 324, 113116.	2.0	30
34	The Association of Inflammatory Cytokines in the Pulmonary Pathophysiology of Respiratory Failure in Critically Ill Patients With Coronavirus Disease 2019. , 2020, 2, e0203.		26
35	Characterisation of serum total tau following paediatric traumatic brain injury: a case-control study. The Lancet Child and Adolescent Health, 2019, 3, 558-567.	2.7	25
36	The pleiotropic vasoprotective functions of high density lipoproteins (HDL). Journal of Biomedical Research, 2018, 32, .	0.7	23

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37	Review of Design Considerations for Brain-on-a-Chip Models. Micromachines, 2021, 12, 441.	1.4	23
38	Relation between plasma and brain lipids. Current Opinion in Lipidology, 2016, 27, 225-232.	1.2	22
39	A Rational Structured Epitope Defines a Distinct Subclass of Toxic Amyloid-beta Oligomers. ACS Chemical Neuroscience, 2018, 9, 1591-1606.	1.7	21
40	Persistently elevated complement alternative pathway biomarkers in COVID-19 correlate with hypoxemia and predict in-hospital mortality. Medical Microbiology and Immunology, 2022, 211, 37-48.	2.6	20
41	An End-to-end System for Automatic Characterization of Iba1 Immunopositive Microglia in Whole Slide Imaging. Neuroinformatics, 2019, 17, 373-389.	1.5	19
42	Cerebrovascular amyloid Angiopathy in bioengineered vessels is reduced by high-density lipoprotein particles enriched in Apolipoprotein E. Molecular Neurodegeneration, 2020, 15, 23.	4.4	19
43	Militaryâ€related risk factors for dementia. Alzheimer's and Dementia, 2018, 14, 1651-1662.	0.4	18
44	Identification of a Chrysanthemic Ester as an Apolipoprotein E Inducer in Astrocytes. PLoS ONE, 2016, 11, e0162384.	1.1	17
45	ApoE secretion modulating bromotyrosine derivative from the Australian marine sponge Callyspongia sp.. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3537-3540.	1.0	14
46	Axl receptor tyrosine kinase is a regulator of apolipoprotein E. Molecular Brain, 2020, 13, 66.	1.3	12
47	Vasoprotective Functions of High-Density Lipoproteins Relevant to Alzheimerâ€™s Disease Are Partially Conserved in Apolipoprotein B-Depleted Plasma. International Journal of Molecular Sciences, 2019, 20, 462.	1.8	9
48	An in vitro bioengineered model of the human arterial neurovascular unit to study neurodegenerative diseases. Molecular Neurodegeneration, 2020, 15, 70.	4.4	9
49	Development of a novel, sensitive translational immunoassay to detect plasma glial fibrillary acidic protein (GFAP) after murine traumatic brain injury. Alzheimer's Research and Therapy, 2021, 13, 58.	3.0	9
50	The Canadian Traumatic Brain Injury Research Consortium: Epitomizing Collaborative Research in Canada. Journal of Neurotrauma, 2018, 35, 1858-1863.	1.7	8
51	Technique and preliminary findings for in vivo quantification of brain motion during injurious head impacts. Journal of Biomechanics, 2019, 95, 109279.	0.9	8
52	Serum neurofilament light chain correlates with myelin and axonal magnetic resonance imaging markers in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2022, 57, 103366.	0.9	8
53	LCAT deficiency does not impair amyloid metabolism in APP/PS1 mice. Journal of Lipid Research, 2014, 55, 1721-1729.	2.0	5
54	Reduced fixed dose tocilizumab 400 mg IV compared to weight-based dosing in critically ill patients with COVID-19: A before-after cohort study. The Lancet Regional Health Americas, 2022, 11, 100228.	1.5	2

#	Article	IF	Citations
55	An Automated Kinematic Measurement System for Sagittal Plane Murine Head Impacts. Journal of Biomechanical Engineering, 2020, 142, .	0.6	1
56	Red blood cell transfusion in animal models of acute brain injuries: a systematic review protocol. Systematic Reviews, 2021, 10, 177.	2.5	0
57	Abstract 245: Intravenously Injected Human Apolipoprotein A-I Rapidly Enters the Central Nervous System via the Choroid Plexus in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	1.1	0
58	Abstract 351: Development of an Engineered Base Cerebrovasculature Model to Study Alzheimerâ€™s Disease in vitro. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	1.1	0