

# Michael E Ward

## List of Publications by Year in descending order

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94  
papers

6,094  
citations

81839

39  
h-index

88593

70  
g-index

113  
all docs

113  
docs citations

113  
times ranked

8232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tau interactome maps synaptic and mitochondrial processes associated with neurodegeneration. <i>Cell</i> , 2022, 185, 712-728.e14.	13.5	114
2	The threat of programmed DNA damage to neuronal genome integrity and plasticity. <i>Nature Genetics</i> , 2022, 54, 115-120.	9.4	35
3	Assessing Gq-GPCR-induced human astrocyte reactivity using bioengineered neural organoids. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	8
4	TDP-43 loss and ALS-risk SNPs drive mis-splicing and depletion of UNC13A. <i>Nature</i> , 2022, 603, 131-137.	13.7	188
5	Myotubularin-related phosphatase 5 is a critical determinant of autophagy in neurons. <i>Current Biology</i> , 2022, 32, 2581-2595.e6.	1.8	7
6	RNA transport and local translation in neurodevelopmental and neurodegenerative disease. <i>Nature Neuroscience</i> , 2021, 24, 622-632.	7.1	82
7	Neuronal enhancers are hotspots for DNA single-strand break repair. <i>Nature</i> , 2021, 593, 440-444.	13.7	126
8	Tackling neurodegenerative diseases with genomic engineering: A new stem cell initiative from the NIH. <i>Neuron</i> , 2021, 109, 1080-1083.	3.8	53
9	miR-936 is Increased in Schizophrenia and Inhibits Neural Development and AMPA Receptor-Mediated Synaptic Transmission. <i>Schizophrenia Bulletin</i> , 2021, 47, 1795-1805.	2.3	6
10	Deficiency of the Lysosomal Protein CLN5 Alters Lysosomal Function and Movement. <i>Biomolecules</i> , 2021, 11, 1412.	1.8	13
11	Bioengineered optogenetic model of human neuromuscular junction. <i>Biomaterials</i> , 2021, 276, 121033.	5.7	20
12	A human iPSC-derived inducible neuronal model of Niemann-Pick disease, type C1. <i>BMC Biology</i> , 2021, 19, 218.	1.7	7
13	Image-based pooled whole-genome CRISPRi screening for subcellular phenotypes. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	48
14	Axonal TDP-43 condensates drive neuromuscular junction disruption through inhibition of local synthesis of nuclear encoded mitochondrial proteins. <i>Nature Communications</i> , 2021, 12, 6914.	5.8	67
15	ToolBox: Live Imaging of intracellular organelle transport in induced pluripotent stem cell-derived neurons. <i>Traffic</i> , 2020, 21, 138-155.	1.3	36
16	Coupling APEX labeling to imaging mass spectrometry of single organelles reveals heterogeneity in lysosomal protein turnover. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	18
17	Loss of TAX1BP1-Directed Autophagy Results in Protein Aggregate Accumulation in the Brain. <i>Molecular Cell</i> , 2020, 80, 779-795.e10.	4.5	85
18	Development and Comparative Evaluation of Endolysosomal Proximity Labeling-Based Proteomic Methods in Human iPSC-Derived Neurons. <i>Analytical Chemistry</i> , 2020, 92, 15437-15444.	3.2	23

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19	Transcriptional Programming of Human Mechanosensory Neuron Subtypes from Pluripotent Stem Cells. <i>Cell Reports</i> , 2020, 30, 932-946.e7.	2.9	57
20	Truncated stathmin-2 is a marker of TDP-43 pathology in frontotemporal dementia. <i>Journal of Clinical Investigation</i> , 2020, 130, 6080-6092.	3.9	117
21	CRISPR Interference-Based Platform for Multimodal Genetic Screens in Human iPSC-Derived Neurons. <i>Neuron</i> , 2019, 104, 239-255.e12.	3.8	288
22	Lysosomal Dysfunction at the Centre of Parkinson's Disease and Frontotemporal Dementia/Amyotrophic Lateral Sclerosis. <i>Trends in Neurosciences</i> , 2019, 42, 899-912.	4.2	89
23	RNA Granules Hitchhike on Lysosomes for Long-Distance Transport, Using Annexin A11 as a Molecular Tether. <i>Cell</i> , 2019, 179, 147-164.e20.	13.5	327
24	Heterochromatin anomalies and double-stranded RNA accumulation underlie C9orf72 poly(PR) toxicity. <i>Science</i> , 2019, 363, .	6.0	181
25	Haploinsufficiency leads to neurodegeneration in C9ORF72 ALS/FTD human induced motor neurons. <i>Nature Medicine</i> , 2018, 24, 313-325.	15.2	445
26	Reduced contrast sensitivity among older women is associated with increased risk of cognitive impairment. <i>Annals of Neurology</i> , 2018, 83, 730-738.	2.8	52
27	Transcription Factor-Mediated Differentiation of Human iPSCs into Neurons. <i>Current Protocols in Cell Biology</i> , 2018, 79, e51.	2.3	219
28	The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. <i>Cell</i> , 2018, 174, 505-520.	13.5	108
29	Individuals with progranulin haploinsufficiency exhibit features of neuronal ceroid lipofuscinosis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	147
30	Microglial NF- $\kappa$ B-TNF hyperactivation induces obsessive-compulsive behavior in mouse models of progranulin-deficient frontotemporal dementia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5029-5034.	3.3	96
31	Retinal thinning is uniquely associated with medial temporal lobe atrophy in neurologically normal older adults. <i>Neurobiology of Aging</i> , 2017, 51, 141-147.	1.5	44
32	Scalable Production of iPSC-Derived Human Neurons to Identify Tau-Lowering Compounds by High-Content Screening. <i>Stem Cell Reports</i> , 2017, 9, 1221-1233.	2.3	232
33	Systematic Three-Dimensional Coculture Rapidly Recapitulates Interactions between Human Neurons and Astrocytes. <i>Stem Cell Reports</i> , 2017, 9, 1745-1753.	2.3	90
34	SIRT1 Deficiency in Microglia Contributes to Cognitive Decline in Aging and Neurodegeneration via Epigenetic Regulation of IL-1 $\beta$ . <i>Journal of Neuroscience</i> , 2015, 35, 807-818.	1.7	212
35	Swelling-activated Cl $^{-}$ currents and intracellular CLC-3 are involved in proliferation of human pulmonary artery smooth muscle cells. <i>Journal of Hypertension</i> , 2014, 32, 318-330.	0.3	24
36	Early retinal neurodegeneration and impaired Ran-mediated nuclear import of TDP-43 in progranulin-deficient FTLD. <i>Journal of Experimental Medicine</i> , 2014, 211, 1937-1945.	4.2	94

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37	Progranulin protects against amyloid $\beta^2$ deposition and toxicity in Alzheimer's disease mouse models. <i>Nature Medicine</i> , 2014, 20, 1157-1164.	15.2	195
38	Early retinal neurodegeneration and impaired Ran-mediated nuclear import of TDP-43 in progranulin-deficient FTL. <i>Journal of Cell Biology</i> , 2014, 206, 2065OIA144.	2.3	0
39	Glaucoma and dementia: More than meets the eye?. <i>Annals of Neurology</i> , 2013, 74, n/a-n/a.	2.8	0
40	Selective targeting of microglia by quantum dots. <i>Journal of Neuroinflammation</i> , 2012, 9, 22.	3.1	64
41	Potential Mechanisms of Progranulin-deficient FTL. <i>Journal of Molecular Neuroscience</i> , 2011, 45, 574-582.	1.1	23
42	Role of Phosphoinositide 3-Kinase $\beta$ , Protein Kinase C, and L-Type $Ca^{2+}$ Channels in Mediating the Complex Actions of Angiotensin II on Mouse Cardiac Contractility. <i>Hypertension</i> , 2010, 56, 422-429.	1.3	25
43	Enhanced Translation of Heme Oxygenase-2 Preserves Human Endothelial Cell Viability during Hypoxia. <i>Journal of Biological Chemistry</i> , 2010, 285, 9452-9461.	1.6	39
44	Regulation of Proliferation and Membrane Potential by Chloride Currents in Rat Pulmonary Artery Smooth Muscle Cells. <i>Hypertension</i> , 2009, 54, 286-293.	1.3	28
45	Impaired endothelial function in C-reactive protein overexpressing mice. <i>Atherosclerosis</i> , 2008, 201, 318-325.	0.4	69
46	Oxygen regulation of arterial smooth muscle cell proliferation and survival. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H839-H852.	1.5	14
47	The Natural History of Trachoma Infection and Disease in a Gambian Cohort with Frequent Follow-Up. <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e341.	1.3	82
48	Induction of matrix metalloproteinase-2 enhances systemic arterial contraction after hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H684-H693.	1.5	13
49	Endothelium-Independent Flow-Induced Dilation in the Mouse Carotid Artery. <i>Journal of Vascular Research</i> , 2006, 43, 383-391.	0.6	13
50	Investigations of Neuronal Migration in the Central Nervous System. , 2005, 294, 137-156.		16
51	Interaction between endothelial heme oxygenase-2 and endothelin-1 in altered aortic reactivity after hypoxia in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H962-H970.	1.5	20
52	Regulated formation and selection of neuronal processes underlie directional guidance of neuronal migration. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 378-387.	1.0	32
53	Hypoxia induces a functionally significant and translationally efficient neuronal NO synthase mRNA variant. <i>Journal of Clinical Investigation</i> , 2005, 115, 3128-3139.	3.9	98
54	Visualization of spatially and temporally regulated N-WASP activity during cytoskeletal reorganization in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 970-974.	3.3	36

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55	Chlamydia update. Expert Review of Vaccines, 2004, 3, 639-642.	2.0	3
56	Role of Cl <sup>-</sup> currents in rat aortic smooth muscle activation by prostaglandin F <sub>2</sub> <sup>±</sup> . European Journal of Pharmacology, 2003, 481, 133-140.	1.7	3
57	Characterization of human humoral responses to the major outer membrane protein and OMP2 of Chlamydia pneumoniae. FEMS Microbiology Letters, 2003, 227, 73-79.	0.7	11
58	Distinguishing between Directional Guidance and Motility Regulation in Neuronal Migration. Journal of Neuroscience, 2003, 23, 5170-5177.	1.7	62
59	Increased myofibrillar protein phosphatase-1 activity impairs rat aortic smooth muscle activation after hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1182-H1189.	1.5	9
60	Neuronal migration and molecular conservation with leukocyte chemotaxis. Genes and Development, 2002, 16, 2973-2984.	2.7	31
61	Modulation of Rat Pial Arteriolar Responses to Flow by Glucose. Anesthesiology, 2002, 97, 471-477.	1.3	10
62	Mechanisms of aortic smooth muscle hyporeactivity after prolonged hypoxia in rats. Journal of Applied Physiology, 2002, 92, 2625-2632.	1.2	7
63	Inhibition of prostanoid-mediated contraction to endothelin-1 after hypoxia in rat aorta. European Journal of Pharmacology, 2001, 423, 57-61.	1.7	6
64	The prevalence of urethral infections amongst asymptomatic young men in Hat Yai, southern Thailand. International Journal of STD and AIDS, 2000, 11, 402-405.	0.5	19
65	Downregulation of Endothelial Nitric Oxide Synthase in Rat Aorta After Prolonged Hypoxia In Vivo. Circulation Research, 2000, 86, 671-675.	2.0	78
66	Dilation of rat diaphragmatic arterioles by flow and hypoxia: roles of nitric oxide and prostaglandins. Journal of Applied Physiology, 1999, 86, 1644-1650.	1.2	21
67	The species specificity of the microimmunofluorescence antibody test and comparisons with a time resolved fluoroscopic immunoassay for measuring IgG antibodies against Chlamydia pneumoniae. Journal of Clinical Pathology, 1999, 52, 99-102.	1.0	45
68	The prevalence of Chlamydia pneumoniae in atherosclerotic and nonatherosclerotic blood vessels of patients attending for redo and first time coronary artery bypass graft surgery. Journal of the American College of Cardiology, 1999, 33, 152-156.	1.2	50
69	Circulating chlamydia pneumoniae DNA as a predictor of coronary artery disease. Journal of the American College of Cardiology, 1999, 34, 1435-1439.	1.2	108
70	Risk Factors for Coronary Heart Disease and Persistent Infection with Chlamydia Pneumoniae or Cytomegalovirus: A Population-Based Study. European Journal of Cardiovascular Prevention and Rehabilitation, 1999, 6, 387-390.	3.1	7
71	Lack of correlation between the detection of Chlamydia trachomatis DNA in synovial fluid from patients with a range of rheumatic diseases and the presence of an antichlamydial immune response. Arthritis and Rheumatism, 1998, 41, 845-854.	6.7	77
72	Impaired reactivity of rat aorta to phenylephrine and KCl after prolonged hypoxia: role of the endothelium. Journal of Applied Physiology, 1998, 85, 411-417.	1.2	45

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73	Effect of inhibition of nitric oxide synthesis on the diaphragmatic microvascular response to hypoxia. <i>Journal of Applied Physiology</i> , 1996, 81, 1633-1641.	1.2	7
74	Intrapleural placement of a nasogastric tube: an unusual complication of nasotracheal intubation. <i>Canadian Journal of Anaesthesia</i> , 1996, 43, 1252-1256.	0.7	25
75	Effect of $\beta$ -adrenoreceptor stimulation on the diaphragmatic oxygen delivery-consumption relationship. <i>Journal of Critical Care</i> , 1996, 11, 19-26.	1.0	5
76	The immunobiology and immunopathology of chlamydial infections. <i>Apmis</i> , 1995, 103, 769-796.	0.9	182
77	Effect of inhibition of nitric oxide release on the diaphragmatic oxygen delivery-consumption relationship. <i>Journal of Critical Care</i> , 1994, 9, 90-99.	1.0	13
78	Regulation of baseline vascular resistance in the canine diaphragm by nitric oxide. <i>British Journal of Pharmacology</i> , 1994, 112, 65-70.	2.7	12
79	Oxygen Delivery-independent Effect of Blood Flow on Diaphragm Fatigue. <i>The American Review of Respiratory Disease</i> , 1992, 145, 1058-1063.	2.9	18
80	Multidomain binding of transforming growth factor $\alpha$ to the epidermal growth factor receptor. <i>Biochemistry</i> , 1992, 31, 9546-9554.	1.2	20
81	Ventilatory effects of the interaction between phrenic and limb muscle afferents. <i>Respiration Physiology</i> , 1992, 88, 63-76.	2.8	5
82	Chlamydial vaccines—Future trends. <i>Journal of Infection</i> , 1992, 25, 11-26.	1.7	34
83	Respiratory muscle activation by limb muscle afferent stimulation in anesthetized dogs. <i>Respiration Physiology</i> , 1991, 84, 185-198.	2.8	6
84	Respiratory Muscle Incoordination in Stuttering Speech. <i>The American Review of Respiratory Disease</i> , 1990, 141, 1510-1515.	2.9	29
85	Chest wall motion and expiratory muscle use during phonation in normal humans. <i>Journal of Applied Physiology</i> , 1990, 68, 2075-2082.	1.2	36
86	Isolation of recombinant fragments of the major outer-membrane protein of <i>Chlamydia trachomatis</i> : their potential as subunit vaccines. <i>Journal of General Microbiology</i> , 1990, 136, 2013-2020.	2.3	17
87	Sulfur-rich proteins of <i>Chlamydia trachomatis</i> : developmentally regulated transcription of polycistronic mRNA from tandem promoters. <i>Gene</i> , 1990, 87, 105-112.	1.0	60
88	Molecular cloning and sequence analysis of a developmentally regulated cysteine-rich outer membrane protein from <i>Chlamydia trachomatis</i> . <i>Gene</i> , 1988, 71, 307-314.	1.0	53
89	Analysis of the entire nucleotide sequence of the cryptic plasmid of <i>Chlamydia trachomatis</i> serovar L1. Evidence for involvement in DNA replication. <i>Nucleic Acids Research</i> , 1988, 16, 4053-4067.	6.5	87
90	DETECTION OF CHLAMYDIA TRACHOMATIS BY ENZYME IMMUNOASSAY IN PATIENTS WITH TRACHOMA. <i>Lancet</i> , The, 1987, 330, 1491-1492.	6.3	50

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91	A Reappraisal of the Role of <i>Pityrosporum orbiculare</i> in Pityriasis Versicolor and the Significance of Extracellular Lipase. <i>Journal of Investigative Dermatology</i> , 1978, 71, 398-401.	0.3	37
92	The Human Fallopian Tube: A Laboratory Model for Gonococcal Infection. <i>Journal of Infectious Diseases</i> , 1974, 129, 650-659.	1.9	197
93	RNA Granules Hitchhike on Lysosomes for Long-Distance Transport, Using Annexin A11 as a Molecular Tether. <i>SSRN Electronic Journal</i> , 0, , .	0.4	7
94	Transcriptional Programming of Human Mechanosensory Neuron Subtypes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0