John D Ash

List of Publications by Year
in descending order

59 papers	2,338 citations	236925 25 h-index	243625 44 g-index
63 all docs	63 docs citations	63 times ranked	2964 citing authors

#	Article	IF	Citations
1	Tsc2 knockout counteracts ubiquitin-proteasome system insufficiency and delays photoreceptor loss in retinitis pigmentosa. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118479119.	7.1	8
2	Mitochondria: The Retinaâ€™s Achillesâ€™ Heel in AMD. Advances in Experimental Medicine and Biology, 2021, 1256, 237-264.	1.6	9
3	Clarinâ€1 expression in adult mouse and human retina highlights a role of MÃ¼ller glia in Usher syndrome. Journal of Pathology, 2020, 250, 195-204.	4.5	15
4	Gene regulatory networks controlling vertebrate retinal regeneration. Science, 2020, 370, .	12.6	248
5	Retinal homeostasis and metformin-induced protection are not affected by retina-specific PparÎ´ knockout. Redox Biology, 2020, 37, 101700.	9.0	5
6	Mitochondrial oxidative stress in the retinal pigment epithelium (RPE) led to metabolic dysfunction in both the RPE and retinal photoreceptors. Redox Biology, 2019, 24, 101201.	9.0	146
7	The Common Antidiabetic Drug Metformin Reduces Odds of Developing Age-Related Macular Degeneration. , 2019, 60, 1470.		70
8	Disrupted Blood-Retina Lysophosphatidylcholine Transport Impairs Photoreceptor Health But Not Visual Signal Transduction. Journal of Neuroscience, 2019, 39, 9689-9701.	3.6	38
9	AMPK May Play an Important Role in theÂRetinal Metabolic Ecosystem. Advances in Experimental Medicine and Biology, 2019, 1185, 477-481.	1.6	5
10	Mitochondria: Potential Targets for Protection in Age-Related Macular Degeneration. Advances in Experimental Medicine and Biology, 2018, 1074, 11-17.	1.6	46
11	Stimulation of AMPK prevents degeneration of photoreceptors and the retinal pigment epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10475-10480.	7.1	117
12	Inherited Retinal Degenerations: Current Landscape and Knowledge Gaps. Translational Vision Science and Technology, 2018, 7, 6.	2.2	168
13	MÃ¼ller Cell Biological Processes Associated with Leukemia Inhibitory Factor Expression. Advances in Experimental Medicine and Biology, 2018, 1074, 479-484.	1.6	3
14	A Drug-Tunable Gene Therapy for Broad-Spectrum Protection against Retinal Degeneration. Molecular Therapy, 2018, 26, 2407-2417.	8.2	22
15	Damage-associated molecular pattern recognition is required for induction of retinal neuroprotective pathways in a sex-dependent manner. Scientific Reports, 2018, 8, 9115.	3.3	8
16	Targeting the Nrf2 Signaling Pathway in the Retina With a Gene-Delivered Secretable and Cell-Penetrating Peptide. , 2016, 57, 372.		30
17	The Role of AMPK Pathway in Neuroprotection. Advances in Experimental Medicine and Biology, 2016, 854, 425-430.	1.6	31
18	Retinal Caveolin-1 Modulates Neuroprotective Signaling. Advances in Experimental Medicine and Biology, 2016, 854, 411-418.	1.6	16

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19	The Potential Use of PGC-1Î± and PGC-1Î² to Protect the Retina by Stimulating Mitochondrial Repair. Advances in Experimental Medicine and Biology, 2016, 854, 403-409.	1.6	5
20	Investigating the Role of Retinal MÃ¼ller Cells with Approaches in Genetics and Cell Biology. Advances in Experimental Medicine and Biology, 2014, 801, 401-405.	1.6	3
21	Very Long Chain Polyunsaturated Fatty Acids and Rod Cell Structure and Function. Advances in Experimental Medicine and Biology, 2014, 801, 637-645.	1.6	10
22	Long-term type 1 diabetes influences haematopoietic stem cells by reducing vascular repair potential and increasing inflammatory monocyte generation in a murine model. Diabetologia, 2013, 56, 644-653.	6.3	79
23	A Unique Loop Structure in Oncostatin M Determines Binding Affinity toward Oncostatin M Receptor and Leukemia Inhibitory Factor Receptor. Journal of Biological Chemistry, 2012, 287, 32848-32859.	3.4	15
24	Loss of Caveolin-1 Impairs Retinal Function Due to Disturbance of Subretinal Microenvironment. Journal of Biological Chemistry, 2012, 287, 16424-16434.	3.4	50
25	Leukemia Inhibitory Factor Coordinates the Down-regulation of the Visual Cycle in the Retina and Retinal-pigmented Epithelium. Journal of Biological Chemistry, 2012, 287, 24092-24102.	3.4	32
26	Role of Photoreceptor Retinol Dehydrogenases in Detoxification of Lipid Oxidation Products. , 2012, , 165-180.		1
27	The effects of D-penicillamine on a murine model of oxygen-induced retinopathy. Journal of AAPOS, 2011, 15, 370-373.	0.3	3
28	CD4 T-Cell Suppression by Cells from<i>Toxoplasma gondii</i>-Infected Retinas Is Mediated by Surface Protein PD-L1. Infection and Immunity, 2010, 78, 3484-3492.	2.2	19
29	TgfÎ² Signaling Directly Induces Arf Promoter Remodeling by a Mechanism Involving Smads 2/3 and p38 MAPK. Journal of Biological Chemistry, 2010, 285, 35654-35664.	3.4	27
30	Induction of corneal myofibroblasts by lens-derived transforming growth factor Î²1 (TGFÎ²1): A transgenic mouse model. Brain Research Bulletin, 2010, 81, 287-296.	3.0	21
31	Unexpected Transcriptional Activity of the Human VMD2 Promoter in Retinal Development. Advances in Experimental Medicine and Biology, 2010, 664, 211-216.	1.6	13
32	gp130 Activation in MÃ¼ller Cells is Not Essential for Photoreceptor Protection from Light Damage. Advances in Experimental Medicine and Biology, 2010, 664, 655-661.	1.6	9
33	Preconditioning-induced protection of photoreceptors requires activation of the signal-transducing receptor gp130 in photoreceptors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21389-21394.	7.1	44
34	Preconditioning-induced protection from oxidative injury is mediated by leukemia inhibitory factor receptor (LIFR) and its ligands in the retina. Neurobiology of Disease, 2009, 34, 535-544.	4.4	59
35	Expression of Cre recombinase in retinal MÃ¼ller cells. Vision Research, 2009, 49, 615-621.	1.4	33
36	Sustained delivery of NTâ€3 from lens fiber cells in transgenic mice reveals specificity of neuroprotection in retinal degenerations. Journal of Comparative Neurology, 2008, 511, 724-735.	1.6	18

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37	STAT3 activation in photoreceptors by leukemia inhibitory factor is associated with protection from light damage. Journal of Neurochemistry, 2008, 105, 784-796.	3.9	102
38	Chemical sympathectomy increases susceptibility to ocular herpes simplex virus type 1 infection. Journal of Neuroimmunology, 2008, 197, 37-46.	2.3	14
39	An Increase in Herpes Simplex Virus Type 1 in the Anterior Segment of the Eye Is Linked to a Deficiency in NK Cell Infiltration in Mice Deficient in CXCR3. Journal of Interferon and Cytokine Research, 2008, 28, 245-251.	1.2	30
40	Proteomic trajectory mapping of biological transformation: Application to developmental mouse retina. Proteomics, 2006, 6, 3251-3261.	2.2	24
41	Deletion of Smooth Muscle Î±-Actin Alters Bloodâ€"Retina Barrier Permeability and Retinal Function. , 2006, 47, 2693.		33
42	Abnormal immune response of CCR5-deficient mice to ocular infection with herpes simplex virus type 1. Journal of General Virology, 2006, 87, 489-499.	2.9	54
43	Mouse opsin promoter-directed Cre recombinase expression in transgenic mice. Molecular Vision, 2006, 12, 389-98.	1.1	68
44	Chemokine receptor deficiency is associated with increased chemokine expression in the peripheral and central nervous systems and increased resistance to herpetic encephalitis. Journal of Neuroimmunology, 2005, 162, 51-59.	2.3	52
45	Leukemia inhibitory factor inhibits neuronal development and disrupts synaptic organization in the mouse retina. Journal of Neuroscience Research, 2005, 82, 316-332.	2.9	16
46	Leukemia Inhibitory Factor Blocks Expression of Crx and Nrl Transcription Factors to Inhibit Photoreceptor Differentiation. , 2005, 46, 2601.		37
47	Transgenic expression of leukemia inhibitory factor (LIF) blocks normal vascular development but not pathological neovascularization in the eye. Molecular Vision, 2005, 11, 298-308.	1.1	24
48	Consequences of CXCL10 and IL-6 Induction by the Murine IFN-Î±1 Transgene in Ocular Herpes Simplex Virus Type 1 Infection. Immunologic Research, 2004, 30, 191-200.	2.9	10
49	Downregulation of ATP Synthase Subunit-6, CytochromecOxidase-III, and NADH Dehydrogenase-3 by Bright Cyclic Light in the Rat Retina. , 2004, 45, 2489.		29
50	Targeted expression of Cre recombinase to cone photoreceptors in transgenic mice. Molecular Vision, 2004, 10, 1011-8.	1.1	73
51	Effect of Anti-CXCL10 Monoclonal Antibody on Herpes Simplex Virus Type 1 Keratitis and Retinal Infection. Journal of Virology, 2003, 77, 10037-10046.	3.4	88
52	Regulation of Retinal Phosphoinositide 3-Kinase Activity in p85Î±-Subunit Knockout Mice. Advances in Experimental Medicine and Biology, 2003, 533, 369-376.	1.6	4
53	Unforeseen Consequences of IL-12 Expression in the Eye of GFAP-IL12 Transgenic Mice Following Herpes Simplex Virus Type 1 Infection. DNA and Cell Biology, 2002, 21, 467-473.	1.9	5
54	Tissue Specificity of the Kaposi's Sarcoma-Associated Herpesvirus Latent Nuclear Antigen (LANA/orf73) Promoter in Transgenic Mice. Journal of Virology, 2002, 76, 11024-11032.	3.4	28

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55	In Vivo Regulation of Phosphoinositide 3-Kinase in Retina through Light-induced Tyrosine Phosphorylation of the Insulin Receptor Î²-Subunit. Journal of Biological Chemistry, 2002, 277, 43319-43326.	3.4	78
56	Experimental models of growth factor-mediated angiogenesis and bloodâ€“retinal barrier breakdown. General Pharmacology, 2000, 35, 233-239.	0.7	14
57	Lens-Specific VEGF-A Expression Induces Angioblast Migration and Proliferation and Stimulates Angiogenic Remodeling. Developmental Biology, 2000, 223, 383-398.	2.0	61
58	Regulation of mouse thymidylate synthaswe gene expression in growth-stimulsated cells: upstream S phase control elements are indistinguishable from the essential promoter elements. Nucleic Acids Research, 1995, 23, 4649-4656.	14.5	23
59	Bidirectional promoter of the mouse thymidylate synthase gene. Nucleic Acids Research, 1994, 22, 4044-4049.	14.5	30