Michele C Madigan

List of Publications by Year
in descending order

87	3,145	186209 28	182361 51
papers	citations	h-index	g-index

91	91	91	4578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DICER1 deficit induces Alu RNA toxicity in age-related macular degeneration. Nature, 2011, 471, 325-330.	13.7	573
2	Anatomy and development of the macula: specialisation and the vulnerability to macular degeneration. Australasian journal of optometry, The, 2005, 88, 269-281.	0.6	160
3	Vitreous floaters: Etiology, diagnostics, and management. Survey of Ophthalmology, 2016, 61, 211-227.	1.7	124
4	Morphometric Comparisons of Optic Nerve Axon Loss in Acquired Immunodeficiency Syndrome. American Journal of Ophthalmology, 1992, 113, 14-20.	1.7	114
5	Microglia-derived IL-1Î² promotes chemokine expression by MÃ¼ller cells and RPE in focal retinal degeneration. Molecular Neurodegeneration, 2017, 12, 31.	4.4	101
6	Retinal Macrophages Synthesize C3 and Activate Complement in AMD and in Models of Focal Retinal Degeneration. , 2017, 58, 2977.		95
7	The Human Hyaloid System: Cell Death and Vascular Regression. Experimental Eye Research, 2000, 70, 767-776.	1.2	90
8	Human and mouse mast cells use the tetraspanin CD9 as an alternate interleukin-16 receptor. Blood, 2006, 107, 135-142.	0.6	65
9	Modulation of permeability and adhesion molecule expression by human choroidal endothelial cells. Investigative Ophthalmology and Visual Science, 2002, 43, 3125-30.	3.3	64
10	Angiogenesis in normal human retinal development the involvement of astrocytes and macrophages. Graefe's Archive for Clinical and Experimental Ophthalmology, 1990, 228, 255-263.	1.0	63
11	Depressive symptoms and quality of life in people with ageâ€•related macular degeneration. Ophthalmic and Physiological Optics, 2011, 31, 375-380.	1.0	61
12	Chloroquine and Hydroxychloroquine Are Novel Inhibitors of Human Organic Anion Transporting Polypeptide 1A2. Journal of Pharmaceutical Sciences, 2016, 105, 884-890.	1.6	61
13	Tumor necrosis factor-alpha (TNF-Î±)-induced optic neuropathy in rabbits. Neurological Research, 1996, 18, 176-184.	0.6	58
14	Gradients of cone differentiation and FGF expression during development of the foveal depression in macaque retina. Visual Neuroscience, 2005, 22, 447-459.	0.5	56
15	RNA-Seq analysis and comparison of corneal epithelium in keratoconus and myopia patients. Scientific Reports, 2018, 8, 389.	1.6	56
16	Effect of MÃ¼ller cell co-culture on in vitro permeability of bovine retinal vascular endothelium in normoxic and hypoxic conditions. Neuroscience Letters, 2005, 378, 160-165.	1.0	54
17	Evidence for Lymphatics in the Developing and Adult Human Choroid. Investigative Ophthalmology and Visual Science, 2015, 56, 1310-1327.	3.3	51
18	Disruption of De Novo Serine Synthesis in MÃ¼ller Cells Induced Mitochondrial Dysfunction and Aggravated Oxidative Damage. Molecular Neurobiology, 2018, 55, 7025-7037.	1.9	49

#	Article	IF	Citations
19	MicroRNA-124 Dysregulation is Associated With Retinal Inflammation and Photoreceptor Death in the Degenerating Retina. , 2018, 59, 4094.		48
20	Differential expression of anti-angiogenic factors and guidance genes in the developing macula. Molecular Vision, 2009, 15, 45-59.	1.1	48
21	Expression of urokinase plasminogen activator and its receptor in advanced epithelial ovarian cancer patients. Gynecologic Oncology, 2009, 114, 265-272.	0.6	46
22	In-depth proteomic profiling of the uveal melanoma secretome. Oncotarget, 2016, 7, 49623-49635.	0.8	45
23	Astrocyte Proliferation During Development of the Human Retinal Vasculature. Experimental Eye Research, 1999, 69, 511-523.	1.2	43
24	AIDS-related optic neuropathy: a histological, virological and ultrastructural study. Graefe's Archive for Clinical and Experimental Ophthalmology, 1995, 233, 387-398.	1.0	42
25	Tear Fluid Protein Biomarkers. Advances in Clinical Chemistry, 2013, 62, 151-196.	1.8	41
26	Identification of Aâ…¡ amacrine, displaced amacrine, and bistratified ganglion cell types in human retina with antibodies against calretinin. Journal of Comparative Neurology, 2016, 524, 39-53.	0.9	40
27	Human macular MÃ¼ller cells rely more on serine biosynthesis to combat oxidative stress than those from the periphery. ELife, 2019, 8, .	2.8	38
28	Compromised blood-nerve barrier, astrogliosis, and myelin disruption in optic nerves during fatal murine cerebral malaria. , 1997, 19, 135-151.		37
29	The role of extracellular matrix metalloproteinase inducer protein in prostate cancer progression. Cancer Immunology, Immunotherapy, 2008, 57, 1367-1379.	2.0	34
30	Immunomodulatory Effects of Bone Marrow-Derived Mesenchymal Stem Cells on Pro-Inflammatory Cytokine-Stimulated Human Corneal Epithelial Cells. PLoS ONE, 2014, 9, e101841.	1.1	33
31	Human organic anion transporting polypeptide 1<scp>A</scp>2 (<scp>OATP1A2</scp>) mediates cellular uptake of allâ€transâ€retinol in human retinal pigmented epithelial cells. British Journal of Pharmacology, 2015, 172, 2343-2353.	2.7	30
32	Extracellular matrix and oxidative stress regulate human retinal pigment epithelium growth. Free Radical Biology and Medicine, 2020, 146, 357-371.	1.3	30
33	Age-Related Macular Degeneration. Optometry and Vision Science, 2014, 91, 832-848.	0.6	28
34	Differential effects of the antioxidant Î±-lipoic acid on the proliferation of mitogen-stimulated peripheral blood lymphocytes and leukaemic T cells. Molecular Immunology, 2002, 38, 733-745.	1.0	27
35	Corneal epithelial dendritic cell density in the healthy human cornea: A meta-analysis of in-vivo confocal microscopy data. Ocular Surface, 2019, 17, 753-762.	2.2	27
36	Monoclonal antibody targeting MUC1 and increasing sensitivity to docetaxel as a novel strategy in treating human epithelial ovarian cancer. Cancer Letters, 2011, 300, 122-133.	3.2	25

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37	Modulation of MHC Class II Expression in the Absence of Lymphocytic Infiltrates in AlzheimerÊ¼s Retinae. Journal of Neuropathology and Experimental Neurology, 1994, 53, 150-157.	0.9	24
38	Tear levels of SFRP1 are significantly reduced in keratoconus patients. Molecular Vision, 2013, 19, 509-xxx.	1.1	23
39	Contribution of the cornea to cytokine levels in the whole eye induced during the early phase of Pseudomonas aeruginosa challenge. Immunology and Cell Biology, 2005, 83, 301-306.	1.0	21
40	Preliminary morphometric study of tumor necrosis factor-alpha (TNFÎ±)-induced rabbit optic neuropathy. Neurological Research, 1996, 18, 233-236.	0.6	20
41	Human Retinoblastoma: A Morphological Study of Apoptotic, Leukocytic, and Vascular Elements. Ultrastructural Pathology, 1997, 21, 95-107.	0.4	19
42	Development of new therapeutic options for the treatment of uveal melanoma. FEBS Journal, 2021, 288, 6226-6249.	2.2	19
43	Contributions of Ocular Surface Components to Matrix-Metalloproteinases (MMP)-2 and MMP-9 in Feline Tears following Corneal Epithelial Wounding. PLoS ONE, 2013, 8, e71948.	1.1	19
44	Control of prostate cancer spheroid growth using 213 Bi-labeled multiple targeted Î± radioimmunoconjugates. Prostate, 2006, 66, 1753-1767.	1.2	18
45	Expression of HGF and c-Met Proteins in Human Keratoconus Corneas. Journal of Ophthalmology, 2015, 2015, 1-8.	0.6	18
46	Photobiomodulation with 670Ânm light ameliorates MÃ¼ller cell-mediated activation of microglia and macrophages in retinal degeneration. Experimental Eye Research, 2017, 165, 78-89.	1.2	18
47	670nm light treatment following retinal injury modulates MÃ¼ller cell gliosis: Evidence from in vivo and in vitro stress models. Experimental Eye Research, 2018, 169, 1-12.	1.2	18
48	Human choroidal melanocytes express functional Toll-like receptors (TLRs). Experimental Eye Research, 2018, 173, 73-84.	1.2	18
49	Involvement of mutant and wild-type CYSLTR2 in the development and progression of uveal nevi and melanoma. BMC Cancer, 2021, 21, 164.	1.1	18
50	Expression of SFRP Family Proteins in Human Keratoconus Corneas. PLoS ONE, 2013, 8, e66770.	1.1	17
51	Gradients of Eph-A6 expression in primate retina suggest roles in both vascular and axon guidance. Molecular Vision, 2009, 15, 2649-62.	1.1	17
52	Soluble TNF-Î± receptors bind and neutralize over-expressed transmembrane TNF-Î± on macrophages, but do not inhibit its processing. Journal of Leukocyte Biology, 1999, 66, 1005-1013.	1.5	16
53	The Role of Pyruvate in Protecting 661W Photoreceptor-Like Cells Against Light-Induced Cell Death. Current Eye Research, 2016, 41, 1473-1481.	0.7	16
54	Choroidal detachments: what do optometrists need to know?. Australasian journal of optometry, The, 2019, 102, 116-125.	0.6	16

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55	Nitration of tyrosines in complement factor H domains alters its immunological activity and mediates a pathogenic role in age related macular degeneration. Oncotarget, 2017, 8, 49016-49032.	0.8	16
56	An inverse relationship between KAI1 expression, invasive ability, and MMP-2 expression and activity in bladder cancer cell lines. Urologic Oncology: Seminars and Original Investigations, 2012, 30, 502-508.	0.8	14
57	In Vitro Targeting of NG2 Antigen by213Bi-9.2.27 Î±-Immunoconjugate Induces Cytotoxicity in Human Uveal Melanoma Cells. , 2005, 46, 4365.		13
58	In-VitroEffects of Secreted Frizzled-Related Protein 1 (SFRP1) On Human Corneal Epithelial Cells. Current Eye Research, 2018, 43, 455-459.	0.7	12
59	Comparative performance of lissamine green stains. Contact Lens and Anterior Eye, 2018, 41, 23-27.	0.8	12
60	The effect of ultraviolet radiation on choroidal melanocytes and melanoma cell lines: cell survival and matrix metalloproteinase production. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 245, 715-724.	1.0	11
61	Expression and distribution of MUC18 in human uveal melanoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2007, 451, 967-976.	1.4	11
62	Do Beta 2-Glycoprotein I Disulfide Bonds Protect the Human Retina in the Setting of Age-Related Macular Degeneration?. Antioxidants and Redox Signaling, 2016, 24, 32-38.	2.5	11
63	Tumour Expression of Histone Deacetylases in Uveal Melanoma. Ocular Oncology and Pathology, 2019, 5, 153-161.	0.5	11
64	An Antibody Raised Against In Vitro-derived Human Mast Cells Identifies Mature Mast Cells and a Population of Cells that are FcâˆŠRI⁺, Tryptase^{â^'}, and Chymase^{â^'} in a Variety of Human Tissues. Journal of Histochemistry and Cytochemistry, 2003, 51, 643-653.	1.3	10
65	Using soybean trypsin inhibitor as an external loading control for Western blot analysis of tear proteins: Application to corneal disease. Experimental Eye Research, 2012, 99, 55-62.	1.2	10
66	Dual roles of different redox forms of complement factor H in protecting against age related macular degeneration. Free Radical Biology and Medicine, 2018, 129, 237-246.	1.3	10
67	Proteome changes induced by laser in diabetic retinopathy. Clinical and Experimental Ophthalmology, 2015, 43, 180-187.	1.3	9
68	Metabolism Dysregulation in Retinal Diseases and Related Therapies. Antioxidants, 2022, 11, 942.	2.2	9
69	A new analysis of wound closure kinematics in the cat and rabbit corneal epithelium. Australasian journal of optometry, The, 1986, 69, 4-12.	0.6	8
70	Investigation of corneal endothelial changes post selective laser trabeculoplasty. Clinical and Experimental Ophthalmology, 2018, 46, 730-737.	1.3	8
71	Conjunctival MUC5AC+ goblet cell index: relationship with corneal nerves and dry eye. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 2249-2257.	1.0	8
72	HMG-CoA reductase expression in human eyelid tissue and in a human meibomian gland epithelial cell line. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 785-790.	1.0	8

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73	In vitro effects of radiation on human retinoblastoma cells. International Journal of Cancer, 2001, 96, 7.	2.3	7
74	Implantation and long-term assessment of the stability and biocompatibility of a novel 98 channel suprachoroidal visual prosthesis in sheep. Biomaterials, 2021, 279, 121191.	5.7	7
75	Human meibomian gland epithelial cell culture models: Current progress, challenges, and future directions. Ocular Surface, 2022, 23, 96-113.	2.2	7
76	Immunoglobulin superfamily expression in primary retinoblastoma and retinoblastoma cell lines. Oncology Research, 2002, 13, 103-11.	0.6	7
77	Human retinoblastoma: in vitro differentiation and immunoglobulin superfamily antigen modulation by retinoic acid. Cancer Immunology, Immunotherapy, 1997, 44, 189-196.	2.0	6
78	Particle-Mediated Gene Transfection and Organotypic Culture of Postmortem Human Retina. Translational Vision Science and Technology, 2019, 8, 7.	1.1	6
79	The Fifth Domain of Beta 2 Glycoprotein I Protects from Natural IgM Mediated Cardiac Ischaemia Reperfusion Injury. PLoS ONE, 2016, 11, e0152681.	1.1	4
80	Semi-quantification of lipids in human meibomian gland epithelial cells using dual staining microplate assays. Experimental Eye Research, 2021, 210, 108719.	1.2	4
81	Reversible Endothelial Changes in the Monkey Cornea. Cornea, 1992, 11, 319-325.	0.9	3
82	Pentoxifylline: Clinical application in human immunodeficiency virus?associated optic neuropathy. Annals of Neurology, 1995, 38, 483-483.	2.8	3
83	Crisis in optometric screening of diabetic retinopathy: illusion or reality. Clinical and Experimental Ophthalmology, 2011, 39, 193-194.	1.3	3
84	A preliminary study of changes in tear film proteins in the feline eye following nictitating membrane removal. Veterinary Ophthalmology, 2012, 15, 164-171.	0.6	3
85	Case for the Panel: â€œRaspberryâ€•Particles in Optic Nerves from an AIDS Patient. Ultrastructural Pathology, 1995, 19, 133-135.	0.4	0
86	Comparison of contemporary tests of ocular surface health in habitual contact lens and non-contact lens wearers. Contact Lens and Anterior Eye, 2015, 38, e9.	0.8	0
87	Safety and biocompatibility of a bionic eye: Imaging, intraocular pressure, and histology data. Data in Brief, 2021, 39, 107634.	0.5	0