Adrian Gericke

List of Publications by Year
in descending order

44 papers	974 citations	471371 17 h-index	501076 28 g-index
45 all docs	45 docs citations	45 times ranked	1146 citing authors

#	Article	IF	Citations
1	Uncoupling of Endothelial Nitric Oxide Synthase in Perivascular Adipose Tissue of Diet-Induced Obese Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 78-85.	1.1	158
2	Age-Related Macular Degeneration: Role of Oxidative Stress and Blood Vessels. International Journal of Molecular Sciences, 2021, 22, 1296.	1.8	64
3	Role of M₁, M₃, and M₅ muscarinic acetylcholine receptors in cholinergic dilation of small arteries studied with gene-targeted mice. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1602-H1608.	1.5	56
4	Oxidative Stress and Vascular Dysfunction in the Retina: Therapeutic Strategies. Antioxidants, 2020, 9, 761.	2.2	53
5	Identification of the Muscarinic Acetylcholine Receptor Subtype Mediating Cholinergic Vasodilation in Murine Retinal Arterioles. , 2011, 52, 7479.		41
6	Elevated Intraocular Pressure Causes Abnormal Reactivity of Mouse Retinal Arterioles. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	1.9	34
7	Contribution of nitric oxide synthase isoforms to cholinergic vasodilation inÂmurine retinal arterioles. Experimental Eye Research, 2013, 109, 60-66.	1.2	26
8	Role of the M₃Muscarinic Acetylcholine Receptor Subtype in Murine Ophthalmic Arteries After Endothelial Removal. , 2014, 55, 625.		26
9	Role of nitric oxide synthase isoforms for ophthalmic artery reactivity in mice. Experimental Eye Research, 2014, 127, 1-8.	1.2	25
10	Three commercial antibodies against Î±1-adrenergic receptor subtypes lack specificity in paraffin-embedded sections of murine tissues. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 703-706.	1.4	24
11	Ablation of lysozyme M-positive cells prevents aircraft noise-induced vascular damage without improving cerebral side effects. Basic Research in Cardiology, 2021, 116, 31.	2.5	23
12	The M1 muscarinic acetylcholine receptor subtype is important for retinal neuron survival in aging mice. Scientific Reports, 2019, 9, 5222.	1.6	22
13	The Î±_{1B}â€adrenoceptor subtype mediates adrenergic vasoconstriction in mouse retinal arterioles with damaged endothelium. British Journal of Pharmacology, 2014, 171, 3858-3867.	2.7	21
14	Compensatory Vasodilator Mechanisms in the Ophthalmic Artery of Endothelial Nitric Oxide Synthase Gene Knockout Mice. Scientific Reports, 2017, 7, 7111.	1.6	21
15	Responses of retinal arterioles and ciliary arteries in pigs with acute respiratory distress syndrome (ARDS). Experimental Eye Research, 2019, 184, 152-161.	1.2	21
16	Angiotensin II Induces Oxidative Stress and Endothelial Dysfunction in Mouse Ophthalmic Arteries via Involvement of AT1 Receptors and NOX2. Antioxidants, 2021, 10, 1238.	2.2	21
17	Corneal Epithelial Stem Cellsâ€“Physiology, Pathophysiology and Therapeutic Options. Cells, 2021, 10, 2302.	1.8	21
18	Neuroendocrine Modulation of IL-27 in Macrophages. Journal of Immunology, 2017, 199, 2503-2514.	0.4	20

#	ARTICLE	IF	CITATIONS
19	Effective Melanin Depigmentation of Human and Murine Ocular Tissues: An Improved Method for Paraffin and Frozen Sections. PLoS ONE, 2014, 9, e102512.	1.1	19
20	The Gatekeepers in the Mouse Ophthalmic Artery: Endothelium-Dependent Mechanisms of Cholinergic Vasodilation. Scientific Reports, 2016, 6, 20322.	1.6	19
21	Cholinergic Responses of Ophthalmic Arteries in M₃and M₅Muscarinic Acetylcholine Receptor Knockout Mice. , 2009, 50, 4822.		18
22	Apolipoprotein E Deficiency Causes Endothelial Dysfunction in the Mouse Retina. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-17.	1.9	18
23	Aircraft noise exposure drives the activation of white blood cells and induces microvascular dysfunction in mice. Redox Biology, 2021, 46, 102063.	3.9	18
24	Betulinic Acid Protects from Ischemia-Reperfusion Injury in the Mouse Retina. Cells, 2021, 10, 2440.	1.8	17
25	Functional Role of Î±₁-Adrenoceptor Subtypes in Murine Ophthalmic Arteries. , 2011, 52, 4795.		16
26	Short-Time Ocular Ischemia Induces Vascular Endothelial Dysfunction and Ganglion Cell Loss in the Pig Retina. International Journal of Molecular Sciences, 2019, 20, 4685.	1.8	16
27	Allogenic simple limbal epithelial transplantation (alloSLET) from cadaveric donor eyes in patients with persistent corneal epithelial defects. British Journal of Ophthalmology, 2021, 105, 180-185.	2.1	16
28	Retinal arteriole reactivity in mice lacking the endothelial nitric oxide synthase (eNOS) gene. Experimental Eye Research, 2019, 181, 150-156.	1.2	15
29	Reproducibility and Daytime-Dependent Changes of Corneal Epithelial Thickness and Whole Corneal Thickness Measured With Fourier Domain Optical Coherence Tomography. Cornea, 2016, 35, 342-349.	0.9	13
30	Impact of Î±1-adrenoceptor expression on contractile properties of vascular smooth muscle cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1215-R1221.	0.9	11
31	Muscarinic Acetylcholine Receptors in the Retinaâ€"Therapeutic Implications. International Journal of Molecular Sciences, 2021, 22, 4989.	1.8	11
32	Aged Mice Devoid of the M3 Muscarinic Acetylcholine Receptor Develop Mild Dry Eye Disease. International Journal of Molecular Sciences, 2021, 22, 6133.	1.8	11
33	Role of Â1-Adrenoceptor Subtypes in Pupil Dilation Studied With Gene-Targeted Mice. Investigative Ophthalmology and Visual Science, 2014, 55, 8295-8301.	3.3	10
34	Effect of the M1 Muscarinic Acetylcholine Receptor on Retinal Neuron Number Studied with Gene-Targeted Mice. Journal of Molecular Neuroscience, 2015, 56, 472-479.	1.1	10
35	Role of Î±₁-adrenoceptor subtypes on corneal epithelial thickness and cell proliferation in mice. American Journal of Physiology - Cell Physiology, 2018, 315, C757-C765.	2.1	9
36	Preparation Steps for Measurement of Reactivity in Mouse Retinal Arterioles Ex Vivo. Journal of Visualized Experiments, 2018, , .	0.2	9

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37	Chronic social defeat stress causes retinal vascular dysfunction. Experimental Eye Research, 2021, 213, 108853.	1.2	8
38	Maggot therapy following orbital exenteration. British Journal of Ophthalmology, 2007, 91, 1715-1716.	2.1	7
39	The Role of Adrenoceptors in the Retina. Cells, 2020, 9, 2594.	1.8	7
40	Polyphosphate, the physiological metabolic fuel for corneal cells: a potential biomaterial for ocular surface repair. Biomaterials Science, 2019, 7, 5506-5515.	2.6	6
41	Elevated intraocular pressure induces neuronâ€specific Î²â€•III â€tubulin expression in nonâ€neuronal vascular cells. Acta Ophthalmologica, 2020, 98, e617.	0.6	4
42	In vivo analysis of noise dependent activation of white blood cells and microvascular dysfunction in mice. MethodsX, 2021, 8, 101540.	0.7	3
43	How to Predict the Suitability for Corneal Donorship?. Journal of Clinical Medicine, 2021, 10, 3426.	1.0	2
44	Five Years Follow-Up of Acrysof CachetÂ® Angle-Supported Phakic Intraocular Lens Implantation for Myopia Correction. Journal of Ophthalmology, 2022, 2022, 1-8.	0.6	2