

Lieve Moons

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179
papers

22,364
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194
ext. papers

24,242
ext. citations

11.2
avg, IF

5.79
L-index

#	Paper	IF	Citations
179	Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. <i>Nature</i> , 1996 , 380, 435-9	50.4	3429
178	Role of HIF-1alpha in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. <i>Nature</i> , 1998 , 394, 485-90	50.4	2294
177	Synergism between vascular endothelial growth factor and placental growth factor contributes to angiogenesis and plasma extravasation in pathological conditions. <i>Nature Medicine</i> , 2001 , 7, 575-83	50.5	1346
176	Targeted deficiency or cytosolic truncation of the VE-cadherin gene in mice impairs VEGF-mediated endothelial survival and angiogenesis. <i>Cell</i> , 1999 , 98, 147-57	56.2	1067
175	Revascularization of ischemic tissues by PlGF treatment, and inhibition of tumor angiogenesis, arthritis and atherosclerosis by anti-Flt1. <i>Nature Medicine</i> , 2002 , 8, 831-40	50.5	916
174	Deletion of the hypoxia-response element in the vascular endothelial growth factor promoter causes motor neuron degeneration. <i>Nature Genetics</i> , 2001 , 28, 131-8	36.3	848
173	VEGF is a modifier of amyotrophic lateral sclerosis in mice and humans and protects motoneurons against ischemic death. <i>Nature Genetics</i> , 2003 , 34, 383-94	36.3	712
172	Anti-PlGF inhibits growth of VEGF(R)-inhibitor-resistant tumors without affecting healthy vessels. <i>Cell</i> , 2007 , 131, 463-75	56.2	666
171	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. <i>Nature Medicine</i> , 2003 , 9, 936-43	50.5	631
170	Loss of HIF-2alpha and inhibition of VEGF impair fetal lung maturation, whereas treatment with VEGF prevents fatal respiratory distress in premature mice. <i>Nature Medicine</i> , 2002 , 8, 702-10	50.5	600
169	Role of tissue factor in embryonic blood vessel development. <i>Nature</i> , 1996 , 383, 73-5	50.4	588
168	Urokinase-generated plasmin activates matrix metalloproteinases during aneurysm formation. <i>Nature Genetics</i> , 1997 , 17, 439-44	36.3	568
167	Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. <i>Nature Medicine</i> , 1999 , 5, 495-502	50.5	559
166	Treatment of motoneuron degeneration by intracerebroventricular delivery of VEGF in a rat model of ALS. <i>Nature Neuroscience</i> , 2005 , 8, 85-92	25.5	429
165	Protective role of reactive astrocytes in brain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 468-81	7.3	387
164	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. <i>Nature Genetics</i> , 2008 , 40, 170-80	36.3	383
163	VEGF: a modifier of the del22q11 (DiGeorge) syndrome?. <i>Nature Medicine</i> , 2003 , 9, 173-82	50.5	256

162	Loss of matrix metalloproteinase-9 or matrix metalloproteinase-12 protects apolipoprotein E-deficient mice against atherosclerotic media destruction but differentially affects plaque growth. <i>Circulation</i> , 2004 , 109, 1408-14	16.7	244
161	Dendritic cell subsets differentially regulate angiogenesis in human ovarian cancer. <i>Cancer Research</i> , 2004 , 64, 5535-8	10.1	230
160	Lentiviral vectors containing the human immunodeficiency virus type-1 central polypurine tract can efficiently transduce nondividing hepatocytes and antigen-presenting cells in vivo. <i>Blood</i> , 2002 , 100, 813-22	2.2	222
159	Abrupt rate accelerations or premature beats cause life-threatening arrhythmias in mice with long-QT3 syndrome. <i>Nature Medicine</i> , 2001 , 7, 1021-7	50.5	210
158	Mice lacking factor VII develop normally but suffer fatal perinatal bleeding. <i>Nature</i> , 1997 , 390, 290-4	50.4	208
157	gamma-Secretase heterogeneity in the Aph1 subunit: relevance for Alzheimer's disease. <i>Science</i> , 2009 , 324, 639-42	33.3	197
156	A genetic <i>Xenopus laevis</i> tadpole model to study lymphangiogenesis. <i>Nature Medicine</i> , 2005 , 11, 998-1004	50.5	191
155	Inhibitory role of plasminogen activator inhibitor-1 in arterial wound healing and neointima formation: a gene targeting and gene transfer study in mice. <i>Circulation</i> , 1997 , 96, 3180-91	16.7	171
154	The role of fatty acid oxidation in lymphangiogenesis. <i>Nature</i> , 2017 , 542, 49-54	50.4	167
153	Inhibition of vascular endothelial growth factor reduces scar formation after glaucoma filtration surgery 2009 , 50, 5217-25		164
152	Genetic evidence for a tumor suppressor role of HIF-2alpha. <i>Cancer Cell</i> , 2005 , 8, 131-41	24.3	157
151	Characterizing microglia activation: a spatial statistics approach to maximize information extraction. <i>Scientific Reports</i> , 2017 , 7, 1576	4.9	149
150	Loss of the cholesterol-binding protein prominin-1/CD133 causes disk dysmorphogenesis and photoreceptor degeneration. <i>Journal of Neuroscience</i> , 2009 , 29, 2297-308	6.6	132
149	Gas6 promotes inflammation by enhancing interactions between endothelial cells, platelets, and leukocytes. <i>Blood</i> , 2008 , 111, 4096-105	2.2	123
148	Placental growth factor promotes atherosclerotic intimal thickening and macrophage accumulation. <i>Circulation</i> , 2005 , 111, 2828-36	16.7	123
147	Receptor-independent role of urokinase-type plasminogen activator in pericellular plasmin and matrix metalloproteinase proteolysis during vascular wound healing in mice. <i>Journal of Cell Biology</i> , 1998 , 140, 233-45	7.3	123
146	Matrix metalloproteinase-2 and -9 as promising benefactors in development, plasticity and repair of the nervous system. <i>Progress in Neurobiology</i> , 2013 , 105, 60-78	10.9	115
145	Myocardial hypertrophy in the absence of external stimuli is induced by angiogenesis in mice. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3188-97	15.9	110

144	Insights in vessel development and vascular disorders using targeted inactivation and transfer of vascular endothelial growth factor, the tissue factor receptor, and the plasminogen system. <i>Annals of the New York Academy of Sciences</i> , 1997 , 811, 191-206	6.5	109
143	Lack of plasminogen activator inhibitor-1 promotes growth and abnormal matrix remodeling of advanced atherosclerotic plaques in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002 , 22, 499-505	9.4	109
142	Amyloid β oligomers Disrupt Blood-CSF Barrier Integrity by Activating Matrix Metalloproteinases. <i>Journal of Neuroscience</i> , 2015 , 35, 12766-78	6.6	100
141	Effects of vascular endothelial growth factor (VEGF) on motor neuron degeneration. <i>Neurobiology of Disease</i> , 2004 , 17, 21-8	7.5	100
140	Modeling lymphangiogenesis in a three-dimensional culture system. <i>Nature Methods</i> , 2008 , 5, 431-7	21.6	97
139	Reevaluation of the role of VEGF-B suggests a restricted role in the revascularization of the ischemic myocardium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1614-20	9.4	92
138	Loss of the VEGF(164) and VEGF(188) isoforms impairs postnatal glomerular angiogenesis and renal arteriogenesis in mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 1548-60	12.7	88
137	Matrix metalloproteinase-2 governs lymphatic vessel formation as an interstitial collagenase. <i>Blood</i> , 2012 , 119, 5048-56	2.2	74
136	Matrix metalloproteinase-3 in the central nervous system: a look on the bright side. <i>Journal of Neurochemistry</i> , 2012 , 123, 203-16	6	72
135	MMPs in the trabecular meshwork: promising targets for future glaucoma therapies? 2013 , 54, 7756-63		71
134	Loss of placental growth factor protects mice against vascular permeability in pathological conditions. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 428-34	3.4	71
133	Neuroinflammation as Fuel for Axonal Regeneration in the Injured Vertebrate Central Nervous System. <i>Mediators of Inflammation</i> , 2017 , 2017, 9478542	4.3	69
132	Matrix-binding vascular endothelial growth factor (VEGF) isoforms guide granule cell migration in the cerebellum via VEGF receptor Flk1. <i>Journal of Neuroscience</i> , 2010 , 30, 15052-66	6.6	68
131	AMA0076, a novel, locally acting Rho kinase inhibitor, potently lowers intraocular pressure in New Zealand white rabbits with minimal hyperemia 2014 , 55, 1006-16		67
130	Oxygen-induced retinopathy in mice: amplification by neonatal IGF-I deficit and attenuation by IGF-I administration. <i>Pediatric Research</i> , 2009 , 65, 307-10	3.2	65
129	Lack of endothelial cell survivin causes embryonic defects in angiogenesis, cardiogenesis, and neural tube closure. <i>Blood</i> , 2007 , 109, 4742-52	2.2	64
128	Inhibition of tissue angiotensin-converting enzyme with quinapril reduces hypoxic pulmonary hypertension and pulmonary vascular remodeling. <i>Circulation</i> , 1996 , 94, 1941-7	16.7	64
127	The role of different VEGF isoforms in scar formation after glaucoma filtration surgery. <i>Experimental Eye Research</i> , 2011 , 93, 689-99	3.7	62

126	Noradrenergic system in the chicken brain: immunocytochemical study with antibodies to noradrenaline and dopamine-beta-hydroxylase. <i>Journal of Comparative Neurology</i> , 1995 , 360, 331-48	3.4	54
125	Deficiency of urokinase-type plasminogen activator-mediated plasmin generation impairs vascular remodeling during hypoxia-induced pulmonary hypertension in mice. <i>Circulation</i> , 2001 , 103, 2014-20	16.7	53
124	Anatomical distribution of galanin-like immunoreactivity in the brain and pituitary of teleost fishes. <i>Neuroscience Letters</i> , 1990 , 111, 12-7	3.3	53
123	Intracameral bevacizumab as an adjunct to trabeculectomy: a 1-year prospective, randomised study. <i>British Journal of Ophthalmology</i> , 2014 , 98, 73-8	5.5	51
122	Determination of serotonin, catecholamines and their metabolites by direct injection of supernatants from chicken brain tissue homogenate using liquid chromatography with electrochemical detection. <i>Biomedical Applications</i> , 1997 , 704, 351-8		50
121	Ageing and amyloid-beta peptide deposition contribute to an impaired brain tissue plasminogen activator activity by different mechanisms. <i>Neurobiology of Disease</i> , 2007 , 27, 164-73	7.5	48
120	Mitochondrial dysfunction underlying outer retinal diseases. <i>Mitochondrion</i> , 2017 , 36, 66-76	4.9	47
119	Membrane-anchored uPAR regulates the proliferation, marrow pool size, engraftment, and mobilization of mouse hematopoietic stem/progenitor cells. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1008-18	15.9	47
118	Towards axonal regeneration and neuroprotection in glaucoma: Rho kinase inhibitors as promising therapeutics. <i>Progress in Neurobiology</i> , 2015 , 131, 105-19	10.9	46
117	MMPs in the neuroretina and optic nerve: modulators of glaucoma pathogenesis and repair? 2014 , 55, 1953-64		46
116	Targeted deletion of the cytosolic domain of tissue factor in mice does not affect development. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 286, 580-6	3.4	45
115	Role of VEGF-D and VEGFR-3 in developmental lymphangiogenesis, a chemogenetic study in <i>Xenopus</i> tadpoles. <i>Blood</i> , 2008 , 112, 1740-9	2.2	43
114	Short-term delivery of anti-PLGF antibody delays progression of atherosclerotic plaques to vulnerable lesions. <i>Cardiovascular Research</i> , 2010 , 86, 29-36	9.9	41
113	Retinal β -synuclein deposits in Parkinson's disease patients and animal models. <i>Acta Neuropathologica</i> , 2019 , 137, 379-395	14.3	40
112	The role of LOX and LOXL2 in scar formation after glaucoma surgery 2013 , 54, 5788-96		38
111	The role of placental growth factor (PLGF) and its receptor system in retinal vascular diseases. <i>Progress in Retinal and Eye Research</i> , 2019 , 69, 116-136	20.5	38
110	Inactivation of Smad5 in endothelial cells and smooth muscle cells demonstrates that Smad5 is required for cardiac homeostasis. <i>American Journal of Pathology</i> , 2007 , 170, 1460-72	5.8	36
109	Mitochondrial function in Müller cells - Does it matter?. <i>Mitochondrion</i> , 2017 , 36, 43-51	4.9	33

108	Innervation and control of the adenohypophysis by hypothalamic peptidergic neurons in teleost fishes: EM immunohistochemical evidence. <i>Microscopy Research and Technique</i> , 1999 , 44, 19-35	2.8	33
107	The effect of AMA0428, a novel and potent ROCK inhibitor, in a model of neovascular age-related macular degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1335-48		32
106	VEGF-D deficiency in mice does not affect embryonic or postnatal lymphangiogenesis but reduces lymphatic metastasis. <i>Journal of Pathology</i> , 2009 , 219, 356-64	9.4	31
105	Notch3 Arg170Cys knock-in mice display pathologic and clinical features of the neurovascular disorder cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2881-8	9.4	31
104	Tackling Glaucoma from within the Brain: An Unfortunate Interplay of BDNF and TrkB. <i>PLoS ONE</i> , 2015 , 10, e0142067	3.7	30
103	The zebrafish as a gerontology model in nervous system aging, disease, and repair. <i>Ageing Research Reviews</i> , 2015 , 24, 358-68	12	29
102	Involvement of placental growth factor in Wallerian degeneration. <i>Glia</i> , 2011 , 59, 379-96	9	29
101	Matrix metalloproteinases as promising regulators of axonal regrowth in the injured adult zebrafish retinotectal system. <i>Journal of Comparative Neurology</i> , 2016 , 524, 1472-93	3.4	29
100	Comparative distribution of substance P (SP) and cholecystokinin (CCK) binding sites and immunoreactivity in the brain of the sea bass (<i>Dicentrarchus labrax</i>). <i>Peptides</i> , 1992 , 13, 37-46	3.8	28
99	Aberrant Collagen Composition of the Trabecular Meshwork Results in Reduced Aqueous Humor Drainage and Elevated IOP in MMP-9 Null Mice 2016 , 57, 5984-5995		28
98	An aberrant cerebellar development in mice lacking matrix metalloproteinase-3. <i>Molecular Neurobiology</i> , 2012 , 45, 17-29	6.2	27
97	Platelet-Associated Matrix Metalloproteinases Regulate Thrombus Formation and Exert Local Collagenolytic Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 2554-61	9.4	27
96	Improving patient outcomes following glaucoma surgery: state of the art and future perspectives. <i>Clinical Ophthalmology</i> , 2014 , 8, 857-67	2.5	27
95	Inhibition of placental growth factor improves surgical outcome of glaucoma surgery. <i>Journal of Cellular and Molecular Medicine</i> , 2013 , 17, 1632-43	5.6	27
94	Downregulation of vascular endothelial-cadherin expression is associated with an increase in vascular tumor growth and hemorrhagic complications. <i>Thrombosis and Haemostasis</i> , 2005 , 93, 1041-6	7	27
93	Mechanisms of NMDA Receptor- and Voltage-Gated L-Type Calcium Channel-Dependent Hippocampal LTP Critically Rely on Proteolysis That Is Mediated by Distinct Metalloproteinases. <i>Journal of Neuroscience</i> , 2017 , 37, 1240-1256	6.6	26
92	A multidisciplinary approach unravels early and persistent effects of X-ray exposure at the onset of prenatal neurogenesis. <i>Journal of Neurodevelopmental Disorders</i> , 2015 , 7, 3	4.6	26
91	Rho kinase inhibitor AMA0526 improves surgical outcome in a rabbit model of glaucoma filtration surgery. <i>Progress in Brain Research</i> , 2015 , 220, 283-97	2.9	26

90	Matrix metalloproteinase 14 in the zebrafish: an eye on retinal and retinotectal development. <i>PLoS ONE</i> , 2013 , 8, e52915	3.7	26
89	Life-threatening thrombosis in mice with targeted Arg48-to-Cys mutation of the heparin-binding domain of antithrombin. <i>Circulation Research</i> , 2003 , 93, 1120-6	15.7	26
88	The nuclear scaffold protein NIPP1 is essential for early embryonic development and cell proliferation. <i>Molecular and Cellular Biology</i> , 2004 , 24, 5863-74	4.8	24
87	Longitudinal In Vivo Characterization of the Streptozotocin-Induced Diabetic Mouse Model: Focus on Early Inner Retinal Responses 2019 , 60, 807-822		23
86	Autoradiographic distribution of galanin binding sites in the brain and pituitary of the sea bass (<i>Dicentrarchus labrax</i>). <i>Neuroscience Letters</i> , 1991 , 123, 49-52	3.3	23
85	AMA0428, A Potent Rock Inhibitor, Attenuates Early and Late Experimental Diabetic Retinopathy. <i>Current Eye Research</i> , 2017 , 42, 260-272	2.9	22
84	Neutralization of placental growth factor as a novel treatment option in diabetic retinopathy. <i>Experimental Eye Research</i> , 2017 , 165, 136-150	3.7	22
83	Matrix metalloproteinase 2 and membrane type 1 matrix metalloproteinase co-regulate axonal outgrowth of mouse retinal ganglion cells. <i>Journal of Neurochemistry</i> , 2014 , 129, 966-79	6	22
82	Matrix metalloproteinases in the mouse retina: a comparative study of expression patterns and MMP antibodies. <i>BMC Ophthalmology</i> , 2015 , 15, 187	2.3	22
81	Decreased thyroid hormone signaling accelerates the reinnervation of the optic tectum following optic nerve crush in adult zebrafish. <i>Molecular and Cellular Neurosciences</i> , 2015 , 68, 92-102	4.8	20
80	Altered neuronal architecture and plasticity in the visual cortex of adult MMP-3-deficient mice. <i>Brain Structure and Function</i> , 2015 , 220, 2675-89	4	20
79	Increased P2X7 Receptor Binding Is Associated With Neuroinflammation in Acute but Not Chronic Rodent Models for Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019 , 13, 799	5.1	20
78	Automated analysis of neurite outgrowth in mouse retinal explants. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 534-43		20
77	The Role of LOX and LOXL2 in the Pathogenesis of an Experimental Model of Choroidal Neovascularization 2015 , 56, 5280-9		19
76	Bevacizumab revisited: its use in different mouse models of ocular pathologies. <i>Current Eye Research</i> , 2015 , 40, 611-21	2.9	18
75	Successful optic nerve regeneration in the senescent zebrafish despite age-related decline of cell intrinsic and extrinsic response processes. <i>Neurobiology of Aging</i> , 2017 , 60, 1-10	5.6	18
74	Fibrinolysis-independent role of plasmin and its activators in the haematopoietic recovery after myeloablation. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 4587-95	5.6	18
73	MMP-3 Deficiency Alleviates Endotoxin-Induced Acute Inflammation in the Posterior Eye Segment. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	18

72	Matrix Metalloproteinases During Axonal Regeneration, a Multifactorial Role from Start to Finish. <i>Molecular Neurobiology</i> , 2017 , 54, 2114-2125	6.2	17
71	MMP-2 mediates Purkinje cell morphogenesis and spine development in the mouse cerebellum. <i>Brain Structure and Function</i> , 2015 , 220, 1601-17	4	17
70	An Antagonistic Axon-Dendrite Interplay Enables Efficient Neuronal Repair in the Adult Zebrafish Central Nervous System. <i>Molecular Neurobiology</i> , 2019 , 56, 3175-3192	6.2	17
69	Ocular hypertension results in retinotopic alterations in the visual cortex of adult mice. <i>Current Eye Research</i> , 2015 , 40, 1269-83	2.9	16
68	Pleiotropic role of growth arrest-specific gene 6 in atherosclerosis. <i>Current Opinion in Lipidology</i> , 2009 , 20, 386-92	4.4	16
67	Non-viral delivery of chemically modified mRNA to the retina: Subretinal versus intravitreal administration. <i>Journal of Controlled Release</i> , 2019 , 307, 315-330	11.7	15
66	Single-cell transcriptome analysis of the Akimba mouse retina reveals cell-type-specific insights into the pathobiology of diabetic retinopathy. <i>Diabetologia</i> , 2020 , 63, 2235-2248	10.3	15
65	Differential visual system organization and susceptibility to experimental models of optic neuropathies in three commonly used mouse strains. <i>Experimental Eye Research</i> , 2016 , 145, 235-247	3.7	13
64	Complementary research models and methods to study axonal regeneration in the vertebrate retinofugal system. <i>Brain Structure and Function</i> , 2018 , 223, 545-567	4	13
63	Complementary effects of bevacizumab and MMC in the improvement of surgical outcome after glaucoma filtration surgery. <i>Acta Ophthalmologica</i> , 2015 , 93, 667-78	3.7	12
62	Decreased TNF Levels and Improved Retinal Ganglion Cell Survival in MMP-2 Null Mice Suggest a Role for MMP-2 as TNF Sheddase. <i>Mediators of Inflammation</i> , 2015 , 2015, 108617	4.3	12
61	Identification of MMP-2 as a novel enhancer of cerebellar granule cell proliferation. <i>Molecular and Cellular Neurosciences</i> , 2013 , 57, 63-72	4.8	12
60	Prior Exposure to Immunosuppressors Sensitizes Retinal Microglia and Accelerates Optic Nerve Regeneration in Zebrafish. <i>Mediators of Inflammation</i> , 2019 , 2019, 6135795	4.3	11
59	A Hydroxypyronone-Based Inhibitor of Metalloproteinase-12 Displays Neuroprotective Properties in Both and Optic Nerve Crush Animal Models. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11
58	Inhibition of Rho-Associated Kinase Prevents Pathological Wound Healing and Neovascularization After Corneal Trauma. <i>Cornea</i> , 2015 , 34, 1120-9	3.1	11
57	Distribution of beta-endorphin-like-immunoreactive structures in the chicken and quail brain as demonstrated with a new homologous antibody directed against a synthetic peptide. <i>Journal of Comparative Neurology</i> , 1994 , 350, 382-96	3.4	11
56	Neointima Formation in Injured Hamster Carotid Artery Is Effectively Prevented by the Combination G4120 and Quinapril. <i>Thrombosis and Haemostasis</i> , 1996 , 76, 263-269	7	11
55	Persistent Impact of In utero Irradiation on Mouse Brain Structure and Function Characterized by MR Imaging and Behavioral Analysis. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 83	3.5	11

54	Differential distribution of peroxisomal proteins points to specific roles of peroxisomes in the murine retina. <i>Molecular and Cellular Biochemistry</i> , 2019 , 456, 53-62	4.2	11
53	A novel retinal ganglion cell quantification tool based on deep learning. <i>Scientific Reports</i> , 2021 , 11, 702	4.9	11
52	Modulation of wound healing in glaucoma surgery. <i>Progress in Brain Research</i> , 2015 , 221, 319-40	2.9	10
51	Antifungal Activity of Oleylphosphocholine on and Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	10
50	A proteomic approach to understand MMP-3-driven developmental processes in the postnatal cerebellum: Chaperonin CCT6A and MAP kinase as contributing factors. <i>Developmental Neurobiology</i> , 2015 , 75, 1033-48	3.2	9
49	Dendritic shrinkage after injury: a cellular killer or a necessity for axonal regeneration?. <i>Neural Regeneration Research</i> , 2019 , 14, 1313-1316	4.5	9
48	Quantitative assessment of neurite outgrowth in mouse retinal explants. <i>Methods in Molecular Biology</i> , 2014 , 1162, 57-71	1.4	9
47	Combination of snapshot hyperspectral retinal imaging and optical coherence tomography to identify Alzheimer's disease patients. <i>Alzheimer's Research and Therapy</i> , 2020 , 12, 144	9	9
46	The App mouse retina is a site for preclinical Alzheimer's disease diagnosis and research. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 6	7.3	9
45	Optogenetic Stimulation of the Superior Colliculus Confers Retinal Neuroprotection in a Mouse Glaucoma Model. <i>Journal of Neuroscience</i> , 2019 , 39, 2313-2325	6.6	8
44	Extensive growth is followed by neurodegenerative pathology in the continuously expanding adult zebrafish retina. <i>Biogerontology</i> , 2019 , 20, 109-125	4.5	8
43	Target-Derived Neurotrophic Factor Deprivation Puts Retinal Ganglion Cells on Death Row: Cold Hard Evidence and Caveats. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
42	A detailed characterization of congenital defects and mortality following moderate X-ray doses during neurulation. <i>Birth Defects Research</i> , 2018 , 110, 467-482	2.9	7
41	Novel transgenic rabbit model sheds light on the puzzling role of matrix metalloproteinase-12 in atherosclerosis. <i>Circulation</i> , 2006 , 113, 1929-32	16.7	7
40	Integrin $\beta 1$ Inhibition by CLT-28643 Reduces Postoperative Wound Healing in a Mouse Model of Glaucoma Filtration Surgery 2016 , 57, 6428-6439		7
39	Müller glia-myeloid cell crosstalk accelerates optic nerve regeneration in the adult zebrafish. <i>Glia</i> , 2021 , 69, 1444-1463	9	7
38	Methotrexate Affects Cerebrospinal Fluid Folate and Tau Levels and Induces Late Cognitive Deficits in Mice. <i>Neuroscience</i> , 2019 , 404, 62-70	3.9	6
37	Toxicology studies with recombinant staphylokinase and with SY 161-P5, a polyethylene glycol-derivatized cysteine-substitution mutant. <i>Toxicologic Pathology</i> , 2001 , 29, 285-91	2.1	6

36	A novel serine protease inhibitor as potential treatment for dry eye syndrome and ocular inflammation. <i>Scientific Reports</i> , 2020 , 10, 17268	4.9	6
35	Designing neuroreparative strategies using aged regenerating animal models. <i>Ageing Research Reviews</i> , 2020 , 62, 101086	12	5
34	Tightening the retinal glia limitans attenuates neuroinflammation after optic nerve injury. <i>Glia</i> , 2020 , 68, 2643-2660	9	5
33	B-Crystallin regulates expansion of CD11b+Gr-1+ immature myeloid cells during tumor progression. <i>FASEB Journal</i> , 2013 , 27, 151-62	0.9	5
32	ROCK inhibition as a novel potential strategy for axonal regeneration in optic neuropathies. <i>Neural Regeneration Research</i> , 2015 , 10, 1949-50	4.5	5
31	Complementary research in mammals and fish indicates MMP-2 as a pleiotropic contributor to optic nerve regeneration. <i>Neural Regeneration Research</i> , 2016 , 11, 740-2	4.5	5
30	Neuroinflammation and Optic Nerve Regeneration: Where Do We Stand in Elucidating Underlying Cellular and Molecular Players?. <i>Current Eye Research</i> , 2020 , 45, 397-409	2.9	5
29	The age factor in optic nerve regeneration: Intrinsic and extrinsic barriers hinder successful recovery in the short-living killifish.. <i>Aging Cell</i> , 2021 , e13537	9.9	5
28	The retinal tyrosine kinome of diabetic Akimba mice highlights potential for specific Src family kinase inhibition in retinal vascular disease. <i>Experimental Eye Research</i> , 2020 , 197, 108108	3.7	4
27	Peroxisomal Multifunctional Protein 2 Deficiency Perturbs Lipid Homeostasis in the Retina and Causes Visual Dysfunction in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 632930	5.7	4
26	Hippocampal and cortical tissue-specific epigenetic clocks indicate an increased epigenetic age in a mouse model for Alzheimer's disease. <i>Aging</i> , 2020 , 12, 20817-20834	5.6	3
25	MMP2 Modulates Inflammatory Response during Axonal Regeneration in the Murine Visual System. <i>Cells</i> , 2021 , 10,	7.9	3
24	Aging impairs the essential contributions of non-glial progenitors to neurorepair in the dorsal telencephalon of the Killifish <i>Nothobranchius furzeri</i> . <i>Aging Cell</i> , 2021 , 20, e13464	9.9	3
23	Injury-induced Autophagy Delays Axonal Regeneration after Optic Nerve Damage in Adult Zebrafish. <i>Neuroscience</i> , 2021 , 470, 52-69	3.9	3
22	The DREADDful Hurdles and Opportunities of the Chronic Chemogenetic Toolbox.. <i>Cells</i> , 2022 , 11,	7.9	3
21	Resistance to retinopathy development in obese, diabetic and hypertensive ZSF1 rats: an exciting model to identify protective genes. <i>Scientific Reports</i> , 2018 , 8, 11922	4.9	2
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