

# Xavier Guillonneau

## List of Publications by Year in descending order

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62  
papers

2,356  
citations

236925

25  
h-index

223800

46  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3232  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>CCR2<sup>+</sup> monocytes infiltrate atrophic lesions in age-related macular disease and mediate photoreceptor degeneration in experimental subretinal inflammation in Cx3cr1 deficient mice.</i> EMBO Molecular Medicine, 2013, 5, 1775-1793.	6.9	245
2	<i>TRPM1 Is Mutated in Patients with Autosomal-Recessive Complete Congenital Stationary Night Blindness.</i> American Journal of Human Genetics, 2009, 85, 720-729.	6.2	207
3	<i>IL-1<math>\beta</math> induces rod degeneration through the disruption of retinal glutamate homeostasis.</i> Journal of Neuroinflammation, 2020, 17, 1.	7.2	172
4	<i>Complement Factor H Inhibits CD47-Mediated Resolution of Inflammation.</i> Immunity, 2017, 46, 261-272.	14.3	132
5	<i>On phagocytes and macular degeneration.</i> Progress in Retinal and Eye Research, 2017, 61, 98-128.	15.5	121
6	<i>Interleukin-1<math>\beta</math> Inhibition Prevents Choroidal Neovascularization and Does Not Exacerbate Photoreceptor Degeneration.</i> American Journal of Pathology, 2011, 178, 2416-2423.	3.8	110
7	<i>Apolipoprotein E promotes subretinal mononuclear phagocyte survival and chronic inflammation in age-related macular degeneration.</i> EMBO Molecular Medicine, 2015, 7, 211-226.	6.9	98
8	<i>CCL2/CCR2 and CX3CL1/CX3CR1 chemokine axes and their possible involvement in age-related macular degeneration.</i> Journal of Neuroinflammation, 2010, 7, 87.	7.2	81
9	<i>Upregulation of P2RX7 in Cx3cr1-Deficient Mononuclear Phagocytes Leads to Increased Interleukin-1<math>\beta</math> Secretion and Photoreceptor Neurodegeneration.</i> Journal of Neuroscience, 2015, 35, 6987-6996.	3.6	77
10	<i>APOE Isoforms Control Pathogenic Subretinal Inflammation in Age-Related Macular Degeneration.</i> Journal of Neuroscience, 2015, 35, 13568-13576.	3.6	75
11	<i>CD36 Deficiency Leads to Choroidal Involution via COX2 Down-Regulation in Rodents.</i> PLoS Medicine, 2008, 5, e39.	8.4	64
12	<i>Subretinal mononuclear phagocytes induce cone segment loss via IL-1<math>\beta</math>.</i> ELife, 2016, 5, .	6.0	63
13	<i>Both FGF1 and Bcl-x synthesis are necessary for the reduction of apoptosis in retinal pigmented epithelial cells by FGF2: role of the extracellular signal-regulated kinase 2.</i> Oncogene, 1999, 18, 7584-7593.	5.9	55
14	<i>Fibroblast Growth Factor (FGF) Soluble Receptor 1 Acts as a Natural Inhibitor of FGF2 Neurotrophic Activity during Retinal Degeneration.</i> Molecular Biology of the Cell, 1998, 9, 2785-2802.	2.1	50
15	<i>The 10q26 Risk Haplotype of Age-Related Macular Degeneration Aggravates Subretinal Inflammation by Impairing Monocyte Elimination.</i> Immunity, 2020, 53, 429-441.e8.	14.3	47
16	<i>Glucagon-like Peptide 1 Receptor Agonists, Diabetic Retinopathy and Angiogenesis: The AngioSafe Type 2 Diabetes Study.</i> Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1549-e1560.	3.6	45
17	<i>Endogenous FGF1-induced Activation and Synthesis of Extracellular Signal-regulated Kinase 2 Reduce Cell Apoptosis in Retinal-pigmented Epithelial Cells.</i> Journal of Biological Chemistry, 1998, 273, 22367-22373.	3.4	40
18	<i>Ptf1a/Rbpj complex inhibits ganglion cell fate and drives the specification of all horizontal cell subtypes in the chick retina.</i> Developmental Biology, 2011, 358, 296-308.	2.0	37

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19	Activated monocytes resist elimination by retinal pigment epithelium and downregulate their <sc>OTX</sc>2 expression via <sc>TNF</sc>±. Aging Cell, 2017, 16, 173-182.	6.7	37
20	Neonatal Hyperglycemia Inhibits Angiogenesis and Induces Inflammation and Neuronal Degeneration in the Retina. PLoS ONE, 2013, 8, e79545.	2.5	36
21	Involvement of Pleiotrophin in CNTF-mediated differentiation of the late retinal progenitor cells. Developmental Biology, 2006, 298, 527-539.	2.0	32
22	The familial dementia gene revisited: a missense mutation revealed by whole-exome sequencing identifies ITM2B as a candidate gene underlying a novel autosomal dominant retinal dystrophy in a large family. Human Molecular Genetics, 2014, 23, 491-501.	2.9	29
23	Experimental Branch Retinal Vein Occlusion Induces Upstream Pericyte Loss and Vascular Destabilization. PLoS ONE, 2015, 10, e0132644.	2.5	29
24	In vitro changes in plasma membrane heparan sulfate proteoglycans and in perlecan expression participate in the regulation of fibroblast growth factor 2 mitogenic activity. , 1996, 166, 170-187.		28
25	FGF2-Stimulated Release of Endogenous FGF1 Is Associated with Reduced Apoptosis in Retinal Pigmented Epithelial Cells. Experimental Cell Research, 1997, 233, 198-206.	2.6	27
26	Dystrophin Dp71 gene deletion induces retinal vascular inflammation and capillary degeneration. Human Molecular Genetics, 2015, 24, 3939-3947.	2.9	27
27	Complement factor H and related proteins in age-related macular degeneration. Comptes Rendus - Biologies, 2014, 337, 178-184.	0.2	26
28	Chronic exposure to tumor necrosis factor alpha induces retinal pigment epithelium cell dedifferentiation. Journal of Neuroinflammation, 2018, 15, 85.	7.2	25
29	Delta-like 4 inhibits choroidal neovascularization despite opposing effects on vascular endothelium and macrophages. Angiogenesis, 2012, 15, 609-622.	7.2	24
30	Regulation of proliferation-survival decisions is controlled by FGF1 secretion in retinal pigmented epithelial cells. Oncogene, 2000, 19, 4917-4929.	5.9	23
31	P2X7-deficiency improves plasticity and cognitive abilities in a mouse model of Tauopathy. Progress in Neurobiology, 2021, 206, 102139.	5.7	23
32	Thinning of the RPE and choroid associated with T lymphocyte recruitment in aged and light-challenged mice. Molecular Vision, 2015, 21, 1051-9.	1.1	22
33	Altered astrocyte morphology and vascular development in dystrophin<sc>D</sc>p71<sc>null</sc> mice. Glia, 2016, 64, 716-729.	4.9	20
34	Paracrine Effects of Phosphorylated and Excreted FGF1 by Retinal Pigmented Epithelial Cells. Growth Factors, 1998, 15, 95-112.	1.7	19
35	Mo-derived perivascular macrophage recruitment protects against endothelial cell death in retinal vein occlusion. Journal of Neuroinflammation, 2019, 16, 157.	7.2	18
36	Lebecetin, a C&eacute;type lectin, inhibits choroidal and retinal neovascularization. FASEB Journal, 2017, 31, 1107-1119.	0.5	17

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37	CC5 and CC8, two homologous disintegrins from <i>Cerastes cerastes</i> venom, inhibit in vitro and ex vivo angiogenesis. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 670-680.	7.5	16
38	Use of suppression subtractive hybridization to identify genes regulated by ciliary neurotrophic factor in postnatal retinal explants. <i>Molecular Vision</i> , 2007, 13, 206-19.	1.1	15
39	Association of Choroidal Interleukin-17-Producing T Lymphocytes and Macrophages with Geographic Atrophy. <i>Ophthalmologica</i> , 2016, 236, 53-58.	1.9	12
40	Disruption of profilin1 function suppresses developmental and pathological retinal neovascularization. <i>Journal of Biological Chemistry</i> , 2020, 295, 9618-9629.	3.4	11
41	Reproducing diabetic retinopathy features using newly developed human induced pluripotent stem cell-derived retinal Müller glial cells. <i>Glia</i> , 2021, 69, 1679-1693.	4.9	11
42	Antagonist of nucleolin, N6L, inhibits neovascularization in mouse models of retinopathies. <i>FASEB Journal</i> , 2020, 34, 5851-5862.	0.5	10
43	Comment on "Ccl2, Cx3cr1 and Ccl2/Cx3cr1 chemokine deficiencies are not sufficient to cause age-related retinal degeneration" by Luhmann et al. ( <i>Exp. Eye Res.</i> 2013; 107: 80.doi: 10.1016). <i>Experimental Eye Research</i> , 2013, 111, 134-135.	2.6	9
44	Col4a1 mutation generates vascular abnormalities correlated with neuronal damage in a mouse model of HANAC syndrome. <i>Neurobiology of Disease</i> , 2017, 100, 52-61.	4.4	9
45	Insulin inhibits inflammation-induced cone death in retinal detachment. <i>Journal of Neuroinflammation</i> , 2020, 17, 358.	7.2	9
46	Rescue of Defective Electroretinographic Responses in Dp71-Null Mice With AAV-Mediated Reexpression of Dp71. , 2020, 61, 11.		9
47	CD36 Deficiency Inhibits Retinal Inflammation and Retinal Degeneration in Cx3cr1 Knockout Mice. <i>Frontiers in Immunology</i> , 2019, 10, 3032.	4.8	9
48	Involvement of Bcl-2-Associated Transcription Factor 1 in the Differentiation of Early-Born Retinal Cells. <i>Journal of Neuroscience</i> , 2014, 34, 1530-1541.	3.6	8
49	Hypoxia Inhibits Subretinal Inflammation Resolution Thrombospondin-1 Dependently. <i>International Journal of Molecular Sciences</i> , 2022, 23, 681.	4.1	8
50	Expression and localization of dystrophins and $\beta$ -dystroglycan in the hypothalamic supraoptic nuclei of rat from birth to adulthood. <i>Acta Histochemica</i> , 2019, 121, 218-226.	1.8	7
51	Temporal and spatial expression of CCN3 during retina development. <i>Developmental Neurobiology</i> , 2012, 72, 1363-1375.	3.0	6
52	A Regulatory Domain Is Required for Foxn4 Activity During Retinogenesis. <i>Journal of Molecular Neuroscience</i> , 2012, 46, 315-323.	2.3	6
53	Regulation of FGF soluble receptor type 1 (SR1) expression and distribution in developing, degenerating, and FGF2-treated retina. , 2000, 217, 24-36.		4
54	PDGF Receptor Alpha Signaling Is Key for Müller Cell Homeostasis Functions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1174.	4.1	4

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55	Inhibition of ocular neovascularization by novel anti-angiogenic compound. <i>Experimental Eye Research</i> , 2021, 213, 108861.	2.6	3
56	MFGE8 Does Not Influence Chorio-Retinal Homeostasis or Choroidal Neovascularization in vivo. <i>PLoS ONE</i> , 2012, 7, e33244.	2.5	2
57	Modifications to the classical rat aortic ring model to allow vascular degeneration studies. <i>STAR Protocols</i> , 2021, 2, 100281.	1.2	2
58	Cover Image, Volume 69, Issue 7. <i>Glia</i> , 2021, 69, C1.	4.9	0
59	Des cellules souches dans la rétine de mammifères adultes.. <i>Medecine/Sciences</i> , 2000, 16, 998.	0.2	0
60	Rétinite pigmentaire 1 : caractérisation du gène.. <i>Medecine/Sciences</i> , 1999, 15, 1313.	0.2	0
61	Photoreceptor toxicity of subretinal Mononuclear Phagocytes. <i>Acta Ophthalmologica</i> , 2014, 92, 0-0.	1.1	0
62	Evidence of the involvement of dystrophin Dp71 in corneal angiogenesis. <i>Molecular Vision</i> , 2019, 25, 714-721.	1.1	0