Vera L Bonilha

List of Publications by Year
in descending order

55 papers	2,444 citations	377584 21 h-index	252626 46 g-index
62 all docs	62 docs citations	62 times ranked	3491 citing authors

#	Article	IF	Citations
1	Histopathological assessments reveal retinal vascular changes, inflammation, and gliosis in patients with lethal COVID-19. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 1275-1288.	1.0	11
2	A human model of Batten disease shows role of CLN3 in phagocytosis at the photoreceptorâ€“RPE interface. Communications Biology, 2021, 4, 161.	2.0	19
3	Editorial. Redox Biology, 2021, 42, 101941.	3.9	1
4	Alu complementary DNA is enriched in atrophic macular degeneration and triggers retinal pigmented epithelium toxicity via cytosolic innate immunity. Science Advances, 2021, 7, eabj3658.	4.7	23
5	Oxidative stress in the retina and retinal pigment epithelium (RPE): Role of aging, and DJ-1. Redox Biology, 2020, 37, 101623.	3.9	36
6	Geographic Atrophy: Confocal Scanning Laser Ophthalmoscopy, Histology, and Inflammation in the Region of Expanding Lesions. , 2020, 61, 15.		23
7	Evidence of complement dysregulation in outer retina of Stargardt disease donor eyes. Redox Biology, 2020, 37, 101787.	3.9	10
8	The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. Redox Biology, 2020, 37, 101681.	3.9	10
9	Retinal Glial and Choroidal Vascular Pathology in Donors Clinically Diagnosed With Stargardt Disease. , 2020, 61, 27.		7
10	Cellular Changes in Retinas From Patients With BEST1 Mutations. Frontiers in Cell and Developmental Biology, 2020, 8, 573330.	1.8	2
11	Role of FGF and Hyaluronan in Choroidal Neovascularization in Sorsby Fundus Dystrophy. Cells, 2020, 9, 608.	1.8	6
12	Inhibition of choroidal neovascularization by systemic delivery of gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102205.	1.7	15
13	Neogenin neutralization prevents photoreceptor loss in inherited retinal degeneration. Journal of Clinical Investigation, 2020, 130, 2054-2068.	3.9	14
14	Prolonged ocular exposure leads to retinal lesions in mice. Experimental Eye Research, 2019, 185, 107672.	1.2	4
15	Re: Cuenca etÂal.: Cellular characterization of OCT and outer retinal bands using specific immunohistochemistry markers and clinical implications (Ophthalmology . 2018;125;407-422). Ophthalmology, 2018, 125, e47-e48.	2.5	10
16	A Novel Approach for Integrating AF-SLO and SDOCT Imaging Data Demonstrates the Ability to Identify Early Retinal Abnormalities in Mutant Mice and Evaluate the Effects of Genetic and Pharmacological Manipulation. Advances in Experimental Medicine and Biology, 2018, 1074, 167-173.	0.8	1
17	Oxidative Stress Regulation and DJ-1 Function in the Retinal Pigment Epithelium: Implications for AMD. Advances in Experimental Medicine and Biology, 2018, 1074, 3-9.	0.8	11
18	Retinal angiotensin II and angiotensin-(1-7) response to hyperglycemia and an intervention with captopril. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2018, 19, 147032031878932.	1.0	20

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19	Absence of DJ-1 causes age-related retinal abnormalities in association with increased oxidative stress. Free Radical Biology and Medicine, 2017, 104, 226-237.	1.3	30
20	The Circadian Clock Gene Bmal1 Controls Thyroid Hormone-Mediated Spectral Identity and Cone Photoreceptor Function. Cell Reports, 2017, 21, 692-706.	2.9	55
21	Protein Deimination in Aging and Age-Related Diseases with Ocular Manifestations. , 2017, , 241-251.		1
22	Retinal Histopathology in Eyes from a Patient with Stargardt disease caused by Compound Heterozygous ABCA4 Mutations. Ophthalmic Genetics, 2016, 37, 150-160.	0.5	20
23	Histopathological comparison of eyes from patients with autosomal recessive retinitis pigmentosa caused by novel EYS mutations. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 295-305.	1.0	18
24	The BALB/c mouse: Effect of standard vivarium lighting on retinal pathology during aging. Experimental Eye Research, 2015, 135, 192-205.	1.2	34
25	Retinal histopathology in eyes from patients with autosomal dominant retinitis pigmentosa caused by rhodopsin mutations. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 2161-2169.	1.0	9
26	Loss of DJ-1 elicits retinal abnormalities, visual dysfunction, and increased oxidative stress in mice. Experimental Eye Research, 2015, 139, 22-36.	1.2	47
27	Retinal pigment epithelium (RPE) cytoskeleton inÂvivo and inÂvitro. Experimental Eye Research, 2014, 126, 38-45.	1.2	39
28	Oxidative Stress Regulation by DJ-1 in the Retinal Pigment Epithelium. Advances in Experimental Medicine and Biology, 2014, 801, 649-654.	0.8	3
29	Retinal deimination and PAD2 levels in retinas from donors with age-related macular degeneration (AMD). Experimental Eye Research, 2013, 111, 71-78.	1.2	26
30	CD40 Induces Anti-Toxoplasma gondii Activity in Nonhematopoietic Cells Dependent on Autophagy Proteins. Infection and Immunity, 2013, 81, 2002-2011.	1.0	57
31	DJ-1-Dependent Regulation of Oxidative Stress in the Retinal Pigment Epithelium (RPE). PLoS ONE, 2013, 8, e67983.	1.1	38
32	Imaging Human Postmortem Eyes with SLO and OCT. Advances in Experimental Medicine and Biology, 2012, 723, 479-488.	0.8	12
33	Age-Related Changes in the Retinal Pigment Epithelium (RPE). PLoS ONE, 2012, 7, e38673.	1.1	70
34	Histopathology and Functional Correlations in a Patient with a Mutation inRPE65, the Gene for Retinol Isomerase. , 2011, 52, 8381.		9
35	Retinal pathology of a patient with Goldmann-Favre Syndrome. Ophthalmic Genetics, 2009, 30, 172-180.	0.5	19
36	Oxidative damageâ€“induced inflammation initiates age-related macular degeneration. Nature Medicine, 2008, 14, 194-198.	15.2	657

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37	Age-related reduction in retinal deimination levels in the F344BN rat. Aging Cell, 2008, 7, 441-444.	3.0	18
38	Semenogelins in the human retina: Differences in distribution and content between AMD and normal donor tissues. Experimental Eye Research, 2008, 86, 150-156.	1.2	5
39	Choroideremia: Analysis of the Retina from a Female Symptomatic Carrier. Ophthalmic Genetics, 2008, 29, 99-110.	0.5	43
40	Retinal Pigment Epithelium Lipofuscin Proteomics. Molecular and Cellular Proteomics, 2008, 7, 1397-1405.	2.5	145
41	Age and disease-related structural changes in the retinal pigment epithelium. Clinical Ophthalmology, 2008, 2, 413.	0.9	176
42	Haze Development After Photorefractive Keratectomy: Mechanical vs Ethanol Epithelial Removal in Rabbits. Journal of Refractive Surgery, 2008, 24, 923-927.	1.1	13
43	Focus on Molecules: Ezrin. Experimental Eye Research, 2007, 84, 613-614.	1.2	16
44	Microvilli defects in retinas of ezrin knockout mice. Experimental Eye Research, 2006, 82, 720-729.	1.2	76
45	Glucose utilization by the retinal pigment epithelium: Evidence for rapid uptake and storage in glycogen, followed by glycogen utilization. Experimental Eye Research, 2006, 83, 235-246.	1.2	44
46	Characterization of semenogelin proteins in the human retina. Experimental Eye Research, 2006, 83, 120-127.	1.2	19
47	Bipolar assembly of caveolae in retinal pigment epithelium. American Journal of Physiology - Cell Physiology, 2006, 290, C832-C843.	2.1	22
48	Proteomics Implicates Peptidyl Arginine Deiminase 2 and Optic Nerve Citrullination in Glaucoma Pathogenesis. , 2006, 47, 2508.		106
49	The Retinal Pigment Epithelium Apical Microvilli and Retinal Function. , 2006, 572, 519-524.		44
50	CRALBP Ligand and Protein Interactions. , 2006, 572, 477-483.		14
51	Proteomics Reveal Cochlin Deposits Associated with Glaucomatous Trabecular Meshwork. Journal of Biological Chemistry, 2005, 280, 6080-6084.	1.6	140
52	Abnormal Distribution of Red/Green Cone Opsins in a Patient with an Autosomal Dominant Cone Dystrophy. Ophthalmic Genetics, 2005, 26, 69-76.	0.5	12
53	Proteomic Characterization of Isolated Retinal Pigment Epithelium Microvilli. Molecular and Cellular Proteomics, 2004, 3, 1119-1127.	2.5	47
54	Support for a proposed retinoid-processing protein complex in apical retinal pigment epithelium. Experimental Eye Research, 2004, 79, 419-422.	1.2	37

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55	Morphogenesis of the Retinal Pigment Epithelium: Toward Understanding Retinal Degenerative Diseasesa. Annals of the New York Academy of Sciences, 1998, 857, 1-12.	1.8	88