Vera L Bonilha

List of Publications by Year
in descending order

55 papers	2,444 citations	331538 21 h-index	223716 46 g-index
62 all docs	62 docs citations	62 times ranked	3194 citing authors

#	Article	IF	Citations
1	Oxidative damageâ€“induced inflammation initiates age-related macular degeneration. Nature Medicine, 2008, 14, 194-198.	15.2	657
2	Age and disease-related structural changes in the retinal pigment epithelium. Clinical Ophthalmology, 2008, 2, 413.	0.9	176
3	Retinal Pigment Epithelium Lipofuscin Proteomics. Molecular and Cellular Proteomics, 2008, 7, 1397-1405.	2.5	145
4	Proteomics Reveal Cochlin Deposits Associated with Glaucomatous Trabecular Meshwork. Journal of Biological Chemistry, 2005, 280, 6080-6084.	1.6	140
5	Proteomics Implicates Peptidyl Arginine Deiminase 2 and Optic Nerve Citrullination in Glaucoma Pathogenesis. , 2006, 47, 2508.		106
6	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
7	Microvilli defects in retinas of ezrin knockout mice. Experimental Eye Research, 2006, 82, 720-729.	1.2	76
8	Age-Related Changes in the Retinal Pigment Epithelium (RPE). PLoS ONE, 2012, 7, e38673.	1.1	70
9	CD40 Induces Anti-Toxoplasma gondii Activity in Nonhematopoietic Cells Dependent on Autophagy Proteins. Infection and Immunity, 2013, 81, 2002-2011.	1.0	57
10	The Circadian Clock Gene Bmal1 Controls Thyroid Hormone-Mediated Spectral Identity and Cone Photoreceptor Function. Cell Reports, 2017, 21, 692-706.	2.9	55
11	Proteomic Characterization of Isolated Retinal Pigment Epithelium Microvilli. Molecular and Cellular Proteomics, 2004, 3, 1119-1127.	2.5	47
12	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
13	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
14	The Retinal Pigment Epithelium Apical Microvilli and Retinal Function. , 2006, 572, 519-524.		44
15	Choroideremia: Analysis of the Retina from a Female Symptomatic Carrier. Ophthalmic Genetics, 2008, 29, 99-110.	0.5	43
16	Retinal pigment epithelium (RPE) cytoskeleton inÂvivo and inÂvitro. Experimental Eye Research, 2014, 126, 38-45.	1.2	39
17	DJ-1-Dependent Regulation of Oxidative Stress in the Retinal Pigment Epithelium (RPE). PLoS ONE, 2013, 8, e67983.	1.1	38
18	Support for a proposed retinoid-processing protein complex in apical retinal pigment epithelium. Experimental Eye Research, 2004, 79, 419-422.	1.2	37

#	Article	IF	Citations
19	Oxidative stress in the retina and retinal pigment epithelium (RPE): Role of aging, and DJ-1. Redox Biology, 2020, 37, 101623.	3.9	36
20	The BALB/c mouse: Effect of standard vivarium lighting on retinal pathology during aging. Experimental Eye Research, 2015, 135, 192-205.	1.2	34
21	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
22	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
23	Geographic Atrophy: Confocal Scanning Laser Ophthalmoscopy, Histology, and Inflammation in the Region of Expanding Lesions. , 2020, 61, 15.		23
24	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
25	Bipolar assembly of caveolae in retinal pigment epithelium. American Journal of Physiology - Cell Physiology, 2006, 290, C832-C843.	2.1	22
26	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
27	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
28	Characterization of semenogelin proteins in the human retina. Experimental Eye Research, 2006, 83, 120-127.	1.2	19
29	Retinal pathology of a patient with Goldmann-Favre Syndrome. Ophthalmic Genetics, 2009, 30, 172-180.	0.5	19
30	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
31	Age-related reduction in retinal deimination levels in the F344BN rat. Aging Cell, 2008, 7, 441-444.	3.0	18
32	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
33	Focus on Molecules: Ezrin. Experimental Eye Research, 2007, 84, 613-614.	1.2	16
34	Inhibition of choroidal neovascularization by systemic delivery of gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102205.	1.7	15
35	CRALBP Ligand and Protein Interactions. , 2006, 572, 477-483.		14
36	Neogenin neutralization prevents photoreceptor loss in inherited retinal degeneration. Journal of Clinical Investigation, 2020, 130, 2054-2068.	3.9	14

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37	Haze Development After Photorefractive Keratectomy: Mechanical vs Ethanol Epithelial Removal in Rabbits. Journal of Refractive Surgery, 2008, 24, 923-927.	1.1	13
38	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
39	Imaging Human Postmortem Eyes with SLO and OCT. Advances in Experimental Medicine and Biology, 2012, 723, 479-488.	0.8	12
40	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
41	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
42	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
43	Evidence of complement dysregulation in outer retina of Stargardt disease donor eyes. Redox Biology, 2020, 37, 101787.	3.9	10
44	The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. Redox Biology, 2020, 37, 101681.	3.9	10
45	Histopathology and Functional Correlations in a Patient with a Mutation inRPE65, the Gene for Retinol Isomerase. , 2011, 52, 8381.		9
46	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
47	Retinal Glial and Choroidal Vascular Pathology in Donors Clinically Diagnosed With Stargardt Disease. , 2020, 61, 27.		7
48	Role of FGF and Hyaluronan in Choroidal Neovascularization in Sorsby Fundus Dystrophy. Cells, 2020, 9, 608.	1.8	6
49	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
50	Prolonged ocular exposure leads to retinal lesions in mice. Experimental Eye Research, 2019, 185, 107672.	1.2	4
51	Oxidative Stress Regulation by DJ-1 in the Retinal Pigment Epithelium. Advances in Experimental Medicine and Biology, 2014, 801, 649-654.	0.8	3
52	Cellular Changes in Retinas From Patients With BEST1 Mutations. Frontiers in Cell and Developmental Biology, 2020, 8, 573330.	1.8	2
53	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
54	Editorial. Redox Biology, 2021, 42, 101941.	3.9	1

#	Article	IF	Citations
55	Protein Deimination in Aging and Age-Related Diseases with Ocular Manifestations. , 2017, , 241-251.		1