Barbara Zangerl Dvm

List of Publications by Year
in descending order

72 papers	1,487 citations	471371 17 h-index	414303 32 g-index
72 all docs	72 docs citations	72 times ranked	1195 citing authors

#	Article	IF	Citations
1	Identical mutation in a novel retinal gene causes progressive rod–cone degeneration in dogs and retinitis pigmentosa in humans. Genomics, 2006, 88, 551-563.	1.3	161
2	Distribution of dinucleotide microsatellites in the Drosophila melanogaster genome. Molecular Biology and Evolution, 1999, 16, 602-610.	3.5	119
3	Bestrophin Gene Mutations Cause Canine Multifocal Retinopathy: A Novel Animal Model for Best Disease. , 2007, 48, 1959.		108
4	Linkage disequilibrium mapping in domestic dog breeds narrows the progressive rod–cone degeneration interval and identifies ancestral disease-transmitting chromosome. Genomics, 2006, 88, 541-550.	1.3	67
5	Conservation of locus-specific microsatellite variability across species: a comparison of two Drosophila sibling species, D. melanogaster and D. simulans. Molecular Biology and Evolution, 1998, 15, 176-184.	3.5	62
6	Clinical model assisting with the collaborative care of glaucoma patients and suspects. Clinical and Experimental Ophthalmology, 2015, 43, 308-319.	1.3	58
7	Removal of Microsatellite Interruptions by DNA Replication Slippage: Phylogenetic Evidence from Drosophila. Molecular Biology and Evolution, 2000, 17, 1001-1009.	3.5	48
8	Recombinant AAV-Mediated BEST1 Transfer to the Retinal Pigment Epithelium: Analysis of Serotype-Dependent Retinal Effects. PLoS ONE, 2013, 8, e75666.	1.1	48
9	In Vivo Quantification of Retinal Changes Associated With Drusen in Age-Related Macular Degeneration. Investigative Ophthalmology and Visual Science, 2015, 56, 1689-1700.	3.3	40
10	Assessment of canine BEST1 variations identifies new mutations and establishes an independent bestrophinopathy model (cmr3). Molecular Vision, 2010, 16, 2791-804.	1.1	39
11	Pattern Recognition Analysis of Age-Related Retinal Ganglion Cell Signatures in the Human Eye. , 2017, 58, 3086.		34
12	Consistency of Structure-Function Correlation Between Spatially Scaled Visual Field Stimuli and In Vivo OCT Ganglion Cell Counts. , 2018, 59, 1693.		34
13	A comparison of Goldmann III, V and spatially equated test stimuli in visual field testing: the importance of complete and partial spatial summation. Ophthalmic and Physiological Optics, 2017, 37, 160-176.	1.0	33
14	Development of a Spatial Model of Age-Related Change in the Macular Ganglion Cell Layer to Predict Function From Structural Changes. American Journal of Ophthalmology, 2019, 208, 166-177.	1.7	33
15	Pattern Recognition Analysis Reveals Unique Contrast Sensitivity Isocontours Using Static Perimetry Thresholds Across the Visual Field. , 2017, 58, 4863.		32
16	Diurnal Intraocular Pressure Fluctuations with Self-tonometry in Glaucoma Patients and Suspects: A Clinical Trial. Optometry and Vision Science, 2018, 95, 88-95.	0.6	32
17	The Use of Imperfect Microsatellites for DNA Fingerprinting and Population Genetics. , 1999, , 153-165.		32
18	Molecular Consequences of BEST1 Gene Mutations in Canine Multifocal Retinopathy Predict Functional Implications for Human Bestrophinopathies. , 2011, 52, 4497.		30

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19	Application of clinical techniques relevant for glaucoma assessment by optometrists: concordance with guidelines. Ophthalmic and Physiological Optics, 2014, 34, 580-591.	1.0	30
20	The usefulness of multimodal imaging for differentiating pseudopapilloedema and true swelling of the optic nerve head: a review and case series. Australasian journal of optometry, The, 2015, 98, 12-24.	0.6	28
21	Cloning of the canine ABCA4 gene and evaluation in canine cone-rod dystrophies and progressive retinal atrophies. Molecular Vision, 2004, 10, 223-32.	1.1	25
22	Anterior Chamber Angle Evaluation Using Gonioscopy: Consistency and Agreement between Optometrists and Ophthalmologists. Optometry and Vision Science, 2019, 96, 751-760.	0.6	22
23	Implementing collaborative care for glaucoma patients and suspects in Australia. Clinical and Experimental Ophthalmology, 2018, 46, 826-828.	1.3	21
24	Familial cutaneous lupus erythematosus (CLE) in the German shorthaired pointer maps to CFA18, a canine orthologue to human CLE. Immunogenetics, 2011, 63, 197-207.	1.2	16
25	Advanced imaging for the diagnosis of age‐related macular degeneration: a case vignettes study. Australasian journal of optometry, The, 2018, 101, 243-254.	0.6	16
26	Canine multifocal retinopathy in the Australian Shepherd: a case report. Veterinary Ophthalmology, 2012, 15, 134-138.	0.6	15
27	Influence of education and diagnostic modes on glaucoma assessment by optometrists. Ophthalmic and Physiological Optics, 2015, 35, 682-698.	1.0	15
28	Cluster analysis reveals patterns of age‐related change in anterior chamber depth for gender and ethnicity: clinical implications. Ophthalmic and Physiological Optics, 2020, 40, 632-649.	1.0	15
29	Transcriptional Profile Analysis of *RPGR* ORF15 Frameshift Mutation Identifies Novel Genes Associated with Retinal Degeneration. , 2010, 51, 6038.		14
30	Impact of referral refinement on management of glaucoma suspects in Australia. Australasian journal of optometry, The, 2020, 103, 675-683.	0.6	14
31	Modelling normal age-related changes in individual retinal layers using location-specific OCT analysis. Scientific Reports, 2021, 11, 558.	1.6	14
32	Reconciling visual field defects and retinal nerve fibre layer asymmetric patterns in retrograde degeneration: an extended case series. Australasian journal of optometry, The, 2017, 100, 214-226.	0.6	13
33	Contrast sensitivity isocontours of the central visual field. Scientific Reports, 2019, 9, 11603.	1.6	13
34	Macula Ganglion Cell Thickness Changes Display Location-Specific Variation Patterns in Intermediate Age-Related Macular Degeneration. , 2020, 61, 2.		13
35	Therapeutic endorsement enhances compliance with national glaucoma guidelines in Australian and New Zealand optometrists. Ophthalmic and Physiological Optics, 2015, 35, 212-224.	1.0	12
36	Self‐reported optometric practise patterns in age‐related macular degeneration. Australasian journal of optometry, The, 2017, 100, 718-728.	0.6	11

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37	Glaucoma Community Care: Does Ongoing Shared Care Work?. International Journal of Integrated Care, 2020, 20, 5.	0.1	11
38	Cloning and characterization of the canine photoreceptor specific cone-rod homeobox (CRX) gene and evaluation as a candidate for early onset photoreceptor diseases in the dog. Molecular Vision, 2002, 8, 79-84.	1.1	11
39	Structural Organization and Expression Pattern of the Canine *RPGRIP1* Isoforms in Retinal Tissue. , 2011, 52, 2989.		10
40	Modeling Changes in Corneal Parameters With Age: Implications for Corneal Disease Detection. American Journal of Ophthalmology, 2020, 209, 117-131.	1.7	10
41	Development and Characterization of a Normalized Canine Retinal cDNA Library for Genomic and Expression Studies. , 2006, 47, 2632.		9
42	Cirrus HD-OCT Short-Term Repeatability of Clinical Retinal Nerve Fiber Layer Measurements. Optometry and Vision Science, 2015, 92, 83-88.	0.6	9
43	Progressive vascular remodelling, endothelial dysfunction and stiffness in mesenteric resistance arteries in a rodent model of chronic kidney disease. Vascular Pharmacology, 2016, 81, 42-52.	1.0	9
44	Independent Origin and Restricted Distribution of RPGR Deletions Causing XLPRA. Journal of Heredity, 2007, 98, 526-530.	1.0	8
45	The short‐sighted perspective of long‐term eye health‐care. Australasian journal of optometry, The, 2014, 97, 565-567.	0.6	8
46	Custom extraction of macular ganglion cell-inner plexiform layer thickness more precisely co-localizes structural measurements with visual fields test grids. Scientific Reports, 2020, 10, 18527.	1.6	7
47	The impact of optic nerve and related characteristics on disc area measurements derived from different imaging techniques. PLoS ONE, 2018, 13, e0190273.	1.1	6
48	Virtual Reality Improves Clinical Assessment of the Optic Nerve. Frontiers in Virtual Reality, 2020, 1, .	2.5	6
49	Review of referrals reveal the impact of referral content on the triage and management of ophthalmology wait lists. BMJ Open, 2021, 11, e047246.	0.8	6
50	Characterization of gene expression profiles of normal canine retina and brain using a retinal cDNA microarray. Molecular Vision, 2006, 12, 1048-56.	1.1	6
51	Cloning of the canine delta tubulin cDNA (TUBD) and mapping to CFA9. Animal Genetics, 2002, 33, 161-162.	0.6	5
52	Interocular asymmetry of the superonasal retinal nerve fibre layer thickness and blood vessel diameter in healthy subjects. PLoS ONE, 2019, 14, e0226728.	1.1	5
53	Quality of 2019 American optometric association clinical practice guideline for diabetic eye care. Ophthalmic and Physiological Optics, 2021, 41, 165-170.	1.0	5
54	Systematic review of diabetic eye disease practice guidelines: more applicability, transparency and development rigor are needed. Journal of Clinical Epidemiology, 2021, 140, 56-68.	2.4	5

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55	Modeling the Structural Consequences of BEST1 Missense Mutations. Advances in Experimental Medicine and Biology, 2012, 723, 611-618.	0.8	5
56	Characterization of Three Microsatellite Loci Linked to the Canine RP3 Interval. , 2002, 93, 70-73.		4
57	Evaluation of the initial implementation of a nationwide diabetic retinopathy screening programme in primary care: a multimethod study. BMJ Open, 2021, 11, e044805.	0.8	4
58	RPGRIP1 and Cone–Rod Dystrophy in Dogs. Advances in Experimental Medicine and Biology, 2012, 723, 321-328.	0.8	4
59	Prediction of visual field defects from macular optical coherence tomography in glaucoma using cluster analysis. Ophthalmic and Physiological Optics, 2022, 42, 948-964.	1.0	4
60	Molecular cloning, characterization and mapping of the canine glucocorticoid receptor DNA binding factor 1 (GRLF1). Gene, 2002, 294, 167-176.	1.0	3
61	Characterization of Gene Expression Profiles of Normal Canine Retina and Brain Using a Retinal cDNA Microarray. Advances in Experimental Medicine and Biology, 2008, 613, 179-184.	0.8	3
62	Ganglion cell-inner plexiform layer measurements derived from widefield compared to montaged 9-field optical coherence tomography. Australasian journal of optometry, The, 2022, 105, 822-830.	0.6	3
63	Identification of genetic variation and haplotype structure of the canine ABCA4 gene for retinal disease association studies. Molecular Genetics and Genomics, 2010, 284, 243-250.	1.0	2
64	Retinal Nerve Fiber Layer Protrusion Associated with Tilted Optic Discs. Optometry and Vision Science, 2018, 95, 239-246.	0.6	1
65	Quality of the Australian National Health and Medical Research Council's clinical practice guidelines for the management of diabetic retinopathy. Australasian journal of optometry, The, 2021, 104, 1-7.	0.6	1
66	Repeatability of Heidelberg Retinal Tomography 3 and effect of alignment algorithm on glaucoma suspects. Australasian journal of optometry, The, 2017, 100, 41-48.	0.6	0
67	Authors' reply. Ophthalmic and Physiological Optics, 2021, 41, 203-204.	1.0	0
68	The performance and confidence of clinicians in training in the analysis of ophthalmic images within a work–integrated teaching model. Ophthalmic and Physiological Optics, 2021, 41, 768-781.	1.0	0
69	Title is missing!. , 2019, 14, e0226728.		0
70	Title is missing!. , 2019, 14, e0226728.		0
71	Title is missing!. , 2019, 14, e0226728.		0
72	Title is missing!. , 2019, 14, e0226728.		0