

# Radouil T Tzekov

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

4,113  
citations

201385

27  
h-index

128067

60  
g-index

74  
all docs

74  
docs citations

74  
times ranked

4780  
citing authors

#	ARTICLE	IF	CITATIONS
1	ISCEV Standard for full-field clinical electroretinography (2015 update). <i>Documenta Ophthalmologica</i> , 2015, 130, 1-12.	1.0	1,103
2	Insights into the Function of Rim Protein in Photoreceptors and Etiology of Stargardt's Disease from the Phenotype in <i>abcr</i> Knockout Mice. <i>Cell</i> , 1999, 98, 13-23.	13.5	859
3	The Electroretinogram in Diabetic Retinopathy. <i>Survey of Ophthalmology</i> , 1999, 44, 53-60.	1.7	304
4	Vitreous Substitutes: A Comprehensive Review. <i>Survey of Ophthalmology</i> , 2011, 56, 300-323.	1.7	171
5	ISCEV extended protocol for the photopic negative response (PhNR) of the full-field electroretinogram. <i>Documenta Ophthalmologica</i> , 2018, 136, 207-211.	1.0	114
6	Vision function abnormalities in Alzheimer disease. <i>Survey of Ophthalmology</i> , 2014, 59, 414-433.	1.7	89
7	Ocular Changes after Photodynamic Therapy. , 2006, 47, 377.		88
8	Repetitive Mild Traumatic Brain Injury Causes Optic Nerve and Retinal Damage in a Mouse Model. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 345-361.	0.9	76
9	Therapeutic potential of valproic acid for retinitis pigmentosa. <i>British Journal of Ophthalmology</i> , 2011, 95, 89-93.	2.1	74
10	Novel Hydrophobically Modified Asymmetric RNAi Compounds (sd-rxRNA) Demonstrate Robust Efficacy in the Eye. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2013, 29, 855-864.	0.6	67
11	SUBTHRESHOLD MICROPULSE DIODE LASER VERSUS CONVENTIONAL LASER PHOTOCOAGULATION FOR DIABETIC MACULAR EDEMA. <i>Retina</i> , 2016, 36, 2059-2065.	1.0	63
12	MULTIFOCAL ELECTRORETINOGRAPHY EVALUATION FOR EARLY DETECTION OF RETINAL DYSFUNCTION IN PATIENTS TAKING HYDROXYCHLOROQUINE. <i>Retina</i> , 2003, 23, 503-512.	1.0	58
13	Ocular Toxicity Due to Chloroquine and Hydroxychloroquine: Electrophysiological and Visual Function Correlates. <i>Documenta Ophthalmologica</i> , 2005, 110, 111-120.	1.0	55
14	Ultrastructural Changes in the White and Gray Matter of Mice at Chronic Time Points After Repeated Concussive Head Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 1012-1035.	0.9	54
15	The effect of human gene therapy for RPE65-associated Leber's congenital amaurosis on visual function: a systematic review and meta-analysis. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 49.	1.2	46
16	Protein Misfolding and Retinal Degeneration. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a007492-a007492.	2.3	45
17	Deep Anterior Lamellar Keratoplasty Versus Penetrating Keratoplasty. <i>Cornea</i> , 2016, 35, 169-174.	0.9	43
18	Senescence of human multifocal electroretinogram components: a localized approach. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2004, 242, 549-560.	1.0	40

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19	Sub-Chronic Neuropathological and Biochemical Changes in Mouse Visual System after Repetitive Mild Traumatic Brain Injury. PLoS ONE, 2016, 11, e0153608.	1.1	40
20	S-cone ERGs elicited by a simple technique in normals and in tritanopes. Vision Research, 1999, 39, 641-650.	0.7	39
21	INCIDENCE OF ENDOPHTHALMITIS AFTER VITRECTOMY. Retina, 2019, 39, 844-852.	1.0	36
22	ERG findings in patients using hydroxychloroquine. Documenta Ophthalmologica, 2004, 108, 87-97.	1.0	35
23	Subfoveal Choroidal Thickness in Central Serous Chorioretinopathy: A Meta-Analysis. PLoS ONE, 2017, 12, e0169152.	1.1	34
24	Inhibition or Stimulation of Autophagy Affects Early Formation of Lipofuscin-Like Autofluorescence in the Retinal Pigment Epithelium Cell. International Journal of Molecular Sciences, 2017, 18, 728.	1.8	33
25	Visual cycle modulation in neurovascular retinopathy. Experimental Eye Research, 2010, 91, 153-161.	1.2	32
26	BEVACIZUMAB VERSUS RANIBIZUMAB FOR NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. Retina, 2015, 35, 187-193.	1.0	31
27	Retinal Evaluation After 810 nm Dioderm Laser Removal of Eyelashes. Dermatologic Surgery, 2002, 28, 836-840.	0.4	28
28	Cone and Rod ERG Phototransduction Parameters in Retinitis Pigmentosa. , 2003, 44, 3993.		27
29	Pharmacogenetics of Complement Factor H Y402H Polymorphism and Treatment of Neovascular AMD with Anti-VEGF Agents: A Meta-Analysis. Scientific Reports, 2015, 5, 14517.	1.6	27
30	Carbon Dots Fabrication: Ocular Imaging and Therapeutic Potential. Frontiers in Bioengineering and Biotechnology, 2020, 8, 573407.	2.0	26
31	Ranibizumab Monotherapy or Combined with Laser versus Laser Monotherapy for Diabetic Macular Edema: A Meta-Analysis of Randomized Controlled Trials. PLoS ONE, 2014, 9, e115797.	1.1	25
32	CCL20-CCR6 axis modulated traumatic brain injury-induced visual pathologies. Journal of Neuroinflammation, 2019, 16, 115.	3.1	23
33	Visual phenotype in patients with Arg41Gln and Ala196+1bp mutations in the CRX gene. Ophthalmic Genetics, 2000, 21, 89-99.	0.5	21
34	Inverted ILM flap technique versus conventional ILM peeling for idiopathic large macular holes: A meta-analysis of randomized controlled trials. PLoS ONE, 2020, 15, e0236431.	1.1	20
35	Accumulation and autofluorescence of phagocytized rod outer segment material in macrophages and microglial cells. Molecular Vision, 2012, 18, 103-13.	1.1	20
36	Retinal cross talk in the mammalian visual system. Journal of Neurophysiology, 2016, 115, 3018-3029.	0.9	18

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37	Visual Electrodiagnostic Testing in Birdshot Chorioretinopathy. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-9.	0.6	17
38	Efferent influences on the bioelectrical activity of the retina in primates. <i>Documenta Ophthalmologica</i> , 2017, 134, 57-73.	1.0	17
39	Inflammatory changes in optic nerve after closed-head repeated traumatic brain injury: Preliminary study. <i>Brain Injury</i> , 2016, 30, 1428-1435.	0.6	16
40	ISCEV extended protocol for derivation and analysis of the strong flash rod-isolated ERG a-wave. <i>Documenta Ophthalmologica</i> , 2020, 140, 5-12.	1.0	16
41	An Overview of Drug Development with Special Emphasis on the Role of Visual Electrophysiological Testing. <i>Documenta Ophthalmologica</i> , 2005, 110, 3-13.	1.0	14
42	Iatrogenic retinal breaks and postoperative retinal detachments in microincision vitrectomy surgery compared with conventional 20-gauge vitrectomy: a meta-analysis. <i>Eye</i> , 2019, 33, 785-795.	1.1	13
43	Biofabrication of Chitosan-Based Nanomedicines and Its Potential Use for Translational Ophthalmic Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4189.	1.3	12
44	Formation of lipofuscin-like material in the RPE Cell by different components of rod outer segments. <i>Experimental Eye Research</i> , 2013, 112, 57-67.	1.2	11
45	Full-field ERG in diabetic retinopathy: a screening tool?. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 987-988.	1.0	11
46	The photopic negative response of the Light-adapted 3.0 ERG in clinical settings. <i>Documenta Ophthalmologica</i> , 2020, 140, 115-128.	1.0	11
47	Auranofin Inhibits Retinal Pigment Epithelium Cell Survival through Reactive Oxygen Species-Dependent Epidermal Growth Factor Receptor/ Mitogen-Activated Protein Kinase Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0166386.	1.1	10
48	Single doses of all-trans-N-retinylacetamide slow down the ERG amplitude recovery after bleaching in rats. <i>Documenta Ophthalmologica</i> , 2010, 120, 165-174.	1.0	9
49	Intravitreal conbercept as an adjuvant in vitrectomy for proliferative diabetic retinopathy: a meta-analysis of randomised controlled trials. <i>Eye</i> , 2022, 36, 619-626.	1.1	8
50	Natural protection of ocular surface from viral infections – A hypothesis. <i>Medical Hypotheses</i> , 2020, 143, 110082.	0.8	7
51	Comparison of conventional ERG parameters and high-intensity A-wave analysis in a clinical setting. <i>Documenta Ophthalmologica</i> , 2003, 106, 281-287.	1.0	5
52	Signal processing techniques for oscillatory potential extraction in the electroretinogram: automated highpass cutoff frequency estimation. <i>Documenta Ophthalmologica</i> , 2012, 125, 101-111.	1.0	4
53	iTRAQ-Based Proteomic Analysis of Visual Cycle-Associated Proteins in RPE of <i>rd12</i> Mice before and after <i>RPE65</i> Gene Delivery. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-8.	0.6	4
54	A New Two-Step Anesthesia for 23- or 25-Gauge Vitrectomy Surgery: A Prospective, Randomized Clinical Trial. <i>Ophthalmic Research</i> , 2021, 64, 34-42.	1.0	3

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55	Vitreous surgery in pigmented rabbits using the new, noncontact wide-field viewing system. American Journal of Ophthalmology, 2004, 137, 212-213.	1.7	2
56	Spectral sensitivity of the visual system as revealed by evoked potentials in normal and anomalous trichomats. Acta Physiologica Et Pharmacologica Bulgarica, 1999, 24, 91-100.	0.1	2
57	The lens-coating agent and the electroretinogram. Documenta Ophthalmologica, 2003, 106, 225-230.	1.0	1
58	Model based photopic electroretinogram source separation: A multiresolution analysis approach. , 2017, , .		1
59	Relationship between stimulus size and different components of the electroretinogram (ERG) elicited by flashed stimuli. Documenta Ophthalmologica, 2021, 142, 213-231.	1.0	1
60	Effect of spatial averaging on the amplitude ring ratio in multifocal electroretinography. Documenta Ophthalmologica, 2022, 144, 41-52.	1.0	1
61	Intraocular Deposition of Copper and ERG Findings in a Patient With Progressive Vision Loss From Hypercupremia. Ophthalmic Surgery Lasers and Imaging Retina, 2019, 50, e324-e326.	0.4	1
62	Retinal Evaluation After 810 nm Dioderm Laser Removal of Eyelashes. Dermatologic Surgery, 2002, 28, 836-840.	0.4	0
63	Automated oscillatory potential detection and parameter extraction in the electroretinogram. , 2011, , .		0
64	Volumetric histological characterization of optic nerve degeneration using tissue clearing: literature review and practical study. Journal of Histotechnology, 2021, 44, 206-216.	0.2	0
65	Title is missing!. , 2020, 15, e0236431.		0
66	Title is missing!. , 2020, 15, e0236431.		0
67	Title is missing!. , 2020, 15, e0236431.		0
68	Title is missing!. , 2020, 15, e0236431.		0