

Radouil T Tzekov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

3,145

citations

23

h-index

56

g-index

74

ext. papers

3,631

ext. citations

4.2

avg. IF

5.15

L-index

#	Paper	IF	Citations
66	ISCEV Standard for full-field clinical electroretinography (2015 update). <i>Documenta Ophthalmologica</i> , 2015 , 130, 1-12	2.2	848
65	Insights into the function of Rim protein in photoreceptors and etiology of Stargardt's disease from the phenotype in abcr knockout mice. <i>Cell</i> , 1999 , 98, 13-23	56.2	769
64	The electroretinogram in diabetic retinopathy. <i>Survey of Ophthalmology</i> , 1999 , 44, 53-60	6.1	193
63	Vitreous substitutes: a comprehensive review. <i>Survey of Ophthalmology</i> , 2011 , 56, 300-23	6.1	140
62	Ocular changes after photodynamic therapy. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 377-85		77
61	Vision function abnormalities in Alzheimer disease. <i>Survey of Ophthalmology</i> , 2014 , 59, 414-33	6.1	70
60	ISCEV extended protocol for the photopic negative response (PhNR) of the full-field electroretinogram. <i>Documenta Ophthalmologica</i> , 2018 , 136, 207-211	2.2	64
59	Therapeutic potential of valproic acid for retinitis pigmentosa. <i>British Journal of Ophthalmology</i> , 2011 , 95, 89-93	5.5	59
58	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, 345-61	3.1	55
57	Novel hydrophobically modified asymmetric RNAi compounds (sd-rxRNA) demonstrate robust efficacy in the eye. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2013 , 29, 855-64	2.6	51
56	Ocular toxicity due to chloroquine and hydroxychloroquine: electrophysiological and visual function correlates. <i>Documenta Ophthalmologica</i> , 2005 , 110, 111-20	2.2	48
55	Multifocal electroretinography evaluation for early detection of retinal dysfunction in patients taking hydroxychloroquine. <i>Retina</i> , 2003 , 23, 503-12	3.6	47
54	SUBTHRESHOLD MICROPULSE DIODE LASER VERSUS CONVENTIONAL LASER PHOTOCOAGULATION FOR DIABETIC MACULAR EDEMA: A Meta-Analysis of Randomized Controlled Trials. <i>Retina</i> , 2016 , 36, 2059-2065	3.6	41
53	S-cone ERGs elicited by a simple technique in normals and in tritanopes. <i>Vision Research</i> , 1999 , 39, 641-50.	50.1	38
52	Protein misfolding and retinal degeneration. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a007492.	10.2	33
51	Deep Anterior Lamellar Keratoplasty Versus Penetrating Keratoplasty: A Meta-Analysis of Randomized Controlled Trials. <i>Cornea</i> , 2016 , 35, 169-74	3.1	31
50	Bevacizumab versus ranibizumab for neovascular age-related macular degeneration: a meta-analysis of randomized controlled trials. <i>Retina</i> , 2015 , 35, 187-93	3.6	29

49	Senescence of human multifocal electroretinogram components: a localized approach. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2004 , 242, 549-60	3.8	28
48	ERG findings in patients using hydroxychloroquine. <i>Documenta Ophthalmologica</i> , 2004 , 108, 87-97	2.2	27
47	Inhibition or Stimulation of Autophagy Affects Early Formation of Lipofuscin-Like Autofluorescence in the Retinal Pigment Epithelium Cell. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	26
46	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, 1012-15	2.1	25
45	Visual cycle modulation in neurovascular retinopathy. <i>Experimental Eye Research</i> , 2010 , 91, 153-61	3.7	25
44	Subfoveal Choroidal Thickness in Central Serous Chorioretinopathy: A Meta-Analysis. <i>PLoS ONE</i> , 2017 , 12, e0169152	3.7	23
43	Pharmacogenetics of Complement Factor H Y402H Polymorphism and Treatment of Neovascular AMD with Anti-VEGF Agents: A Meta-Analysis. <i>Scientific Reports</i> , 2015 , 5, 14517	4.9	23
42	Sub-Chronic Neuropathological and Biochemical Changes in Mouse Visual System after Repetitive Mild Traumatic Brain Injury. <i>PLoS ONE</i> , 2016 , 11, e0153608	3.7	23
41	Retinal evaluation after 810 nm Dioderm laser removal of eyelashes. <i>Dermatologic Surgery</i> , 2002 , 28, 836-40	1.7	22
40	Cone and rod ERG phototransduction parameters in retinitis pigmentosa. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3993-4000		21
39	INCIDENCE OF ENDOPHTHALMITIS AFTER VITRECTOMY: A Systematic Review and Meta-analysis. <i>Retina</i> , 2019 , 39, 844-852	3.6	21
38	Visual phenotype in patients with Arg41Gln and Ala196+1bp mutations in the CRX gene. <i>Ophthalmic Genetics</i> , 2000 , 21, 89-99	1.2	20
37	Accumulation and autofluorescence of phagocytized rod outer segment material in macrophages and microglial cells. <i>Molecular Vision</i> , 2012 , 18, 103-13	2.3	19
36	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	4.2	17
35	Ranibizumab monotherapy or combined with laser versus laser monotherapy for diabetic macular edema: a meta-analysis of randomized controlled trials. <i>PLoS ONE</i> , 2014 , 9, e115797	3.7	15
34	Visual Electrodiagnostic Testing in Birdshot Chorioretinopathy. <i>Journal of Ophthalmology</i> , 2015 , 2015, 680215	2	13
33	An overview of drug development with special emphasis on the role of visual electrophysiological testing. <i>Documenta Ophthalmologica</i> , 2005 , 110, 3-13	2.2	13
32	Inverted ILM flap technique versus conventional ILM peeling for idiopathic large macular holes: A meta-analysis of randomized controlled trials. <i>PLoS ONE</i> , 2020 , 15, e0236431	3.7	13

31	Efferent influences on the bioelectrical activity of the retina in primates. <i>Documenta Ophthalmologica</i> , 2017 , 134, 57-73	2.2	12
30	Inflammatory changes in optic nerve after closed-head repeated traumatic brain injury: Preliminary study. <i>Brain Injury</i> , 2016 , 30, 1428-1435	2.1	12
29	Retinal cross talk in the mammalian visual system. <i>Journal of Neurophysiology</i> , 2016 , 115, 3018-29	3.2	12
28	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	3.7	10
27	Carbon Dots Fabrication: Ocular Imaging and Therapeutic Potential. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 573407	5.8	9
26	Biofabrication of Chitosan-Based Nanomedicines and Its Potential Use for Translational Ophthalmic Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4189	2.6	7
25	ISCEV extended protocol for derivation and analysis of the strong flash rod-isolated ERG a-wave. <i>Documenta Ophthalmologica</i> , 2020 , 140, 5-12	2.2	7
24	Single doses of all-trans-N-retinylacetamide slow down the ERG amplitude recovery after bleaching in rats. <i>Documenta Ophthalmologica</i> , 2010 , 120, 165-74	2.2	7
23	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	4.4	7
22	The photopic negative response of the Light-adapted 3.0 ERG in clinical settings. <i>Documenta Ophthalmologica</i> , 2020 , 140, 115-128	2.2	7
21	CCL20-CCR6 axis modulated traumatic brain injury-induced visual pathologies. <i>Journal of Neuroinflammation</i> , 2019 , 16, 115	10.1	5
20	Comparison of conventional ERG parameters and high-intensity A-wave analysis in a clinical setting. <i>Documenta Ophthalmologica</i> , 2003 , 106, 281-7	2.2	5
19	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	3.7	5
18	Signal processing techniques for oscillatory potential extraction in the electroretinogram: automated highpass cutoff frequency estimation. <i>Documenta Ophthalmologica</i> , 2012 , 125, 101-11	2.2	4
17	Natural protection of ocular surface from viral infections - A hypothesis. <i>Medical Hypotheses</i> , 2020 , 143, 110082	3.8	4
16	iTRAQ-Based Proteomic Analysis of Visual Cycle-Associated Proteins in RPE of rd12 Mice before and after RPE65 Gene Delivery. <i>Journal of Ophthalmology</i> , 2015 , 2015, 918473	2	3
15	Intravitreal conbercept as an adjuvant in vitrectomy for proliferative diabetic retinopathy: a meta-analysis of randomised controlled trials. <i>Eye</i> , 2021 ,	4.4	2
14	Spectral sensitivity of the visual system as revealed by evoked potentials in normal and anomalous trichomats. <i>Acta Physiologica Et Pharmacologica Bulgarica</i> , 1999 , 24, 91-100		2

13	Model based photopic electroretinogram source separation: A multiresolution analysis approach 2017 ,		1
12	The lens-coating agent and the electroretinogram. <i>Documenta Ophthalmologica</i> , 2003 , 106, 225-30	2.2	1
11	Vitreous surgery in pigmented rabbits using the new, noncontact wide-field viewing system. <i>American Journal of Ophthalmology</i> , 2004 , 137, 212-3; author reply 213	4.9	1
10	Relationship between stimulus size and different components of the electroretinogram (ERG) elicited by flashed stimuli. <i>Documenta Ophthalmologica</i> , 2021 , 142, 213-231	2.2	1
9	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	2.9	0
8	Intraocular Deposition of Copper and ERG Findings in a Patient With Progressive Vision Loss From Hypercupremia. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2019 , 50, e324-e326	1.4	0
7	Retinal Evaluation After 810 nm Dioderm Laser Removal of Eyelashes. <i>Dermatologic Surgery</i> , 2002 , 28, 836-840	1.7	
6	Volumetric histological characterization of optic nerve degeneration using tissue clearing: literature review and practical study. <i>Journal of Histotechnology</i> , 2021 , 44, 206-216	1.3	
5	Effect of spatial averaging on the amplitude ring ratio in multifocal electroretinography. <i>Documenta Ophthalmologica</i> , 2021 , 1	2.2	
4	Inverted ILM flap technique versus conventional ILM peeling for idiopathic large macular holes: A meta-analysis of randomized controlled trials 2020 , 15, e0236431		
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2	Inverted ILM flap technique versus conventional ILM peeling for idiopathic large macular holes: A meta-analysis of randomized controlled trials 2020 , 15, e0236431		
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