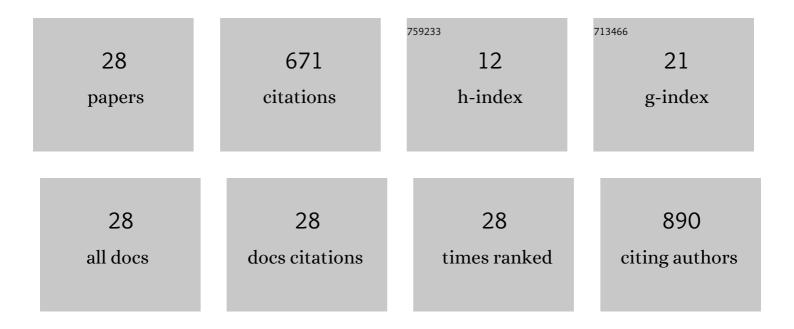
## Kostadinka Bizheva

List of Publications by Year in descending order

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KOSTADINKA RIZHEVA

#	Article	IF	CITATIONS
1	General Bayesian estimation for speckle noise reduction in optical coherence tomography retinal imagery. Optics Express, 2010, 18, 8338.	3.4	165
2	Swelling of the Human Cornea Revealed by High-Speed, Ultrahigh-Resolution Optical Coherence Tomography. , 2010, 51, 4579.		64
3	250 kHz, 15 µm resolution SD-OCT for in-vivo cellular imaging of the human cornea. Biomedical Optics Express, 2018, 9, 6569.	2.9	64
4	Limiting factors to the OCT axial resolution for in-vivo imaging of human and rodent retina in the 1060nm wavelength range. Optics Express, 2009, 17, 24304.	3.4	55
5	Sub-micrometer axial resolution OCT for in-vivo imaging of the cellular structure of healthy and keratoconic human corneas. Biomedical Optics Express, 2017, 8, 800.	2.9	52
6	In Vivo Imaging and Morphometry of the Human Pre-Descemet's Layer and Endothelium With Ultrahigh-Resolution Optical Coherence Tomography. , 2016, 57, 2782.		36
7	Stochastic speckle noise compensation in optical coherence tomography using non-stationary spline-based speckle noise modelling. Biomedical Optics Express, 2013, 4, 1769.	2.9	27
8	In vivo imaging of intrinsic optical signals in chicken retina with functional optical coherence tomography. Optics Letters, 2011, 36, 4575.	3.3	25
9	In-vivo imaging of the palisades of Vogt and the limbal crypts with sub-micrometer axial resolution optical coherence tomography. Biomedical Optics Express, 2017, 8, 4141.	2.9	24
10	Enhancement of morphological and vascular features in OCT images using a modified Bayesian residual transform. Biomedical Optics Express, 2018, 9, 2394.	2.9	23
11	Short-Term Moderately Elevated Intraocular Pressure Is Associated With Elevated Scotopic Electroretinogram Responses. , 2016, 57, 2140.		20
12	Automated detection and cell density assessment of keratocytes in the human corneal stroma from ultrahigh resolution optical coherence tomograms. Biomedical Optics Express, 2011, 2, 2905.	2.9	16
13	Structural, functional and blood perfusion changes in the rat retina associated with elevated intraocular pressure, measured simultaneously with a combined OCT+ERG system. PLoS ONE, 2018, 13, e0193592.	2.5	16
14	Line-scanning SD-OCT for in-vivo, non-contact, volumetric, cellular resolution imaging of the human cornea and limbus. Biomedical Optics Express, 2022, 13, 4007.	2.9	13
15	Pigmented and albino rats differ in their responses to moderate, acute and reversible intraocular pressure elevation. Documenta Ophthalmologica, 2017, 134, 205-219.	2.2	12
16	Combined optical coherence tomography and electroretinography system for in vivo simultaneous morphological and functional imaging of the rodent retina. Journal of Biomedical Optics, 2010, 15, 040506.	2.6	11
17	Analysis of scattering statistics and governing distribution functions in optical coherence tomography. Biomedical Optics Express, 2016, 7, 2551.	2.9	11
18	lsoflurane and ketamine:xylazine differentially affect intraocular pressure-associated scotopic threshold responses in Sprague-Dawley rats. Documenta Ophthalmologica, 2017, 135, 121-132.	2.2	9

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#	Article	IF	CITATIONS
19	Morphological and functional changes in the rat retina associated with 2 months of intermittent moderate intraocular pressure elevation. Scientific Reports, 2018, 8, 7727.	3.3	7
20	Impact of contact lens wear on epithelial alterations in keratoconus. Journal of Optometry, 2021, 14, 37-43.	1.3	6
21	Quantitative assessment of oral microstructural and microvascular changes in late oral radiation toxicity, using noninvasive in-vivo optical coherence tomography. Photonics & Lasers in Medicine, 2016, 5, .	0.2	3
22	Dense concentric circle scanning protocol for measuring pulsatile retinal blood flow in rats with Doppler optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 1.	2.6	3
23	A cellular automata based semi-automatic algorithm for segmentation of choroidal blood vessels from ultrahigh resolution optical coherence images of rat retina. , 2010, , .		2
24	Undecimated hierarchical active contours for oct image segmentation. , 2014, , .		2
25	Relationship between vessel diameter and depth measurements within the limbus using ultra-high resolution optical coherence tomography. Journal of Optometry, 2018, 11, 57-65.	1.3	2
26	Fully automated corneal nerve segmentation algorithm for corneal nerves analysis from UHR-OCT images. , 2019, , .		2
27	Correlating optical coherence tomography images with dose distribution in late oral radiation toxicity patients. Photonics & Lasers in Medicine, 2014, 3, .	0.2	1
28	Automatic tracking of pupillary dynamics from <i>in vivo</i> functional optical coherence tomography images. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2016, 4, 306-316.	1.9	0