

Benjamin J Vakoc

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

833
citations

623734

14
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501196

28
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34
all docs

34
docs citations

34
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid stress impairs lymphocyte infiltration into lymph node metastases. <i>FASEB Journal</i> , 2022, 36, .	0.5	1
2	Local vasoregulative interventions impact drug concentrations in the skin after topical laser-assisted delivery. <i>Lasers in Surgery and Medicine</i> , 2022, , .	2.1	3
3	Using the dynamic forward scattering signal for optical coherence tomography based blood flow quantification. <i>Optics Letters</i> , 2022, 47, 3083.	3.3	1
4	Solid stress impairs lymphocyte infiltration into lymph-node metastases. <i>Nature Biomedical Engineering</i> , 2021, 5, 1426-1436.	22.5	38
5	Multi-beam OCT imaging based on an integrated, free-space interferometer. <i>Biomedical Optics Express</i> , 2021, 12, 100.	2.9	3
6	Artifact Rates for 2D Retinal Nerve Fiber Layer Thickness Versus 3D Neuroretinal Rim Thickness Using Spectral-Domain Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2020, 9, 10.	2.2	10
7	Artifact Rates for 2D Retinal Nerve Fiber Layer Thickness Versus 3D Retinal Nerve Fiber Layer Volume. <i>Translational Vision Science and Technology</i> , 2020, 9, 12.	2.2	26
8	Effect of Transcranial Low-Level Light Therapy vs Sham Therapy Among Patients With Moderate Traumatic Brain Injury. <i>JAMA Network Open</i> , 2020, 3, e2017337.	5.9	36
9	A Neural Network Approach to Quantify Blood Flow from Retinal OCT Intensity Time-Series Measurements. <i>Scientific Reports</i> , 2020, 10, 9611.	3.3	7
10	Stable multi-megahertz circular-ranging optical coherence tomography at 13 Åµm. <i>Biomedical Optics Express</i> , 2020, 11, 174.	2.9	12
11	Resolving absolute depth in circular-ranging optical coherence tomography by using a degenerate frequency comb. <i>Optics Letters</i> , 2020, 45, 371.	3.3	11
12	Stepped frequency comb generation based on electro-optic phase-code mode-locking for moderate-speed circular-ranging OCT. <i>Biomedical Optics Express</i> , 2020, 11, 3534.	2.9	2
13	Diagnostic Capability of 3D Peripapillary Retinal Volume for Glaucoma Using Optical Coherence Tomography Customized Software. <i>Journal of Glaucoma</i> , 2019, 28, 708-717.	1.6	5
14	Three-Dimensional Optical Coherence Tomography Imaging For Glaucoma Associated With Boston Keratoprosthesis Type I and II. <i>Journal of Glaucoma</i> , 2019, 28, 718-726.	1.6	10
15	Quantitative depolarization measurements for fiber-based polarization-sensitive optical frequency domain imaging of the retinal pigment epithelium. <i>Journal of Biophotonics</i> , 2019, 12, e201800156.	2.3	19
16	Extended Coherence Length and Depth Ranging Using a Fourier-Domain Mode-Locked Frequency Comb and Circular Interferometric Ranging. <i>Physical Review Applied</i> , 2019, 11, .	3.8	21
17	High-speed optical coherence tomography by circular interferometric ranging. <i>Nature Photonics</i> , 2018, 12, 111-116.	31.4	79
18	Methicillin-resistant <i>Staphylococcus aureus</i> causes sustained collecting lymphatic vessel dysfunction. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	45

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19	Simultaneous measurements of lymphatic vessel contraction, flow and valve dynamics in multiple lymphangions using optical coherence tomography. <i>Journal of Biophotonics</i> , 2018, 11, e201700017.	2.3	11
20	Circular Ranging Optical Coherence Tomography using a Fourier-Domain Mode-Locked Frequency Comb. , 2018, , .		1
21	Wide-Field Functional Microscopy of Peripheral Nerve Injury and Regeneration. <i>Scientific Reports</i> , 2018, 8, 14004.	3.3	23
22	Diagnostic Capability of Three-Dimensional Macular Parameters for Glaucoma Using Optical Coherence Tomography Volume Scans. , 2018, 59, 4998.		14
23	Phase-stable Doppler OCT at 19 MHz using a stretched-pulse mode-locked laser. <i>Biomedical Optics Express</i> , 2018, 9, 952.	2.9	24
24	Complex differential variance angiography with noise-bias correction for optical coherence tomography of the retina. <i>Biomedical Optics Express</i> , 2018, 9, 486.	2.9	34
25	Lymphatic function measurements influenced by contrast agent volume and body position. <i>JCI Insight</i> , 2018, 3, .	5.0	10
26	Lymph node effective vascular permeability and chemotherapy uptake. <i>Microcirculation</i> , 2017, 24, e12381.	1.8	13
27	Resolvin D2 Limits Secondary Tissue Necrosis After Burn Wounds in Rats. <i>Journal of Burn Care and Research</i> , 2017, 39, 1.	0.4	10
28	Diagnostic Capability of Peripapillary Three-dimensional Retinal Nerve Fiber Layer Volume for Glaucoma Using Optical Coherence Tomography Volume Scans. <i>American Journal of Ophthalmology</i> , 2017, 182, 180-193.	3.3	15
29	In vivo label-free measurement of lymph flow velocity and volumetric flow rates using Doppler optical coherence tomography. <i>Scientific Reports</i> , 2016, 6, 29035.	3.3	63
30	Complex differential variance algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2014, 5, 3822.	2.9	83
31	Fast angiographic OCT imaging using sparse representations over learned dictionaries. , 2011, , .		0
32	Comprehensive esophageal microscopy by using optical frequencyâ€‘domain imaging (with video). <i>Gastrointestinal Endoscopy</i> , 2007, 65, 898-905.	1.0	192