Benjamin J Vakoc

List of Publications by Year
in descending order

32	833	623734	501196
papers	citations	14 h-index	28 g-index

34	34	34	1198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive esophageal microscopy by using optical frequencyâ€“domain imaging (with video). Gastrointestinal Endoscopy, 2007, 65, 898-905.	1.0	192
2	Complex differential variance algorithm for optical coherence tomography angiography. Biomedical Optics Express, 2014, 5, 3822.	2.9	83
3	High-speed optical coherence tomography by circular interferometric ranging. Nature Photonics, 2018, 12, 111-116.	31.4	79
4	In vivo label-free measurement of lymph flow velocity and volumetric flow rates using Doppler optical coherence tomography. Scientific Reports, 2016, 6, 29035.	3.3	63
5	Methicillin-resistant Staphylococcus aureus causes sustained collecting lymphatic vessel dysfunction. Science Translational Medicine, 2018, 10, .	12.4	45
6	Solid stress impairs lymphocyte infiltration into lymph-node metastases. Nature Biomedical Engineering, 2021, 5, 1426-1436.	22.5	38
7	Effect of Transcranial Low-Level Light Therapy vs Sham Therapy Among Patients With Moderate Traumatic Brain Injury. JAMA Network Open, 2020, 3, e2017337.	5.9	36
8	Complex differential variance angiography with noise-bias correction for optical coherence tomography of the retina. Biomedical Optics Express, 2018, 9, 486.	2.9	34
9	Artifact Rates for 2D Retinal Nerve Fiber Layer Thickness Versus 3D Retinal Nerve Fiber Layer Volume. Translational Vision Science and Technology, 2020, 9, 12.	2.2	26
10	Phase-stable Doppler OCT at 19 MHz using a stretched-pulse mode-locked laser. Biomedical Optics Express, 2018, 9, 952.	2.9	24
11	Wide-Field Functional Microscopy of Peripheral Nerve Injury and Regeneration. Scientific Reports, 2018, 8, 14004.	3.3	23
12	Extended Coherence Length and Depth Ranging Using a Fourier-Domain Mode-Locked Frequency Comb and Circular Interferometric Ranging. Physical Review Applied, 2019, 11, .	3.8	21
13	Quantitative depolarization measurements for fiberâ€based polarizationâ€sensitive optical frequency domain imaging of the retinal pigment epithelium. Journal of Biophotonics, 2019, 12, e201800156.	2.3	19
14	Diagnostic Capability of Peripapillary Three-dimensional Retinal Nerve Fiber Layer Volume for Glaucoma Using Optical Coherence Tomography Volume Scans. American Journal of Ophthalmology, 2017, 182, 180-193.	3.3	15
15	Diagnostic Capability of Three-Dimensional Macular Parameters for Glaucoma Using Optical Coherence Tomography Volume Scans. , 2018, 59, 4998.		14
16	Lymph node effective vascular permeability and chemotherapy uptake. Microcirculation, 2017, 24, e12381.	1.8	13
17	Stable multi-megahertz circular-ranging optical coherence tomography at 13 Âµm. Biomedical Optics Express, 2020, 11, 174.	2.9	12
18	Simultaneous measurements of lymphatic vessel contraction, flow and valve dynamics in multiple lymphangions using optical coherence tomography. Journal of Biophotonics, 2018, 11, e201700017.	2.3	11

#	Article	IF	Citations
19	Resolving absolute depth in circular-ranging optical coherence tomography by using a degenerate frequency comb. Optics Letters, 2020, 45, 371.	3.3	11
20	Resolvin D2 Limits Secondary Tissue Necrosis After Burn Wounds in Rats. Journal of Burn Care and Research, 2017, 39, 1.	0.4	10
21	Three-Dimensional Optical Coherence Tomography Imaging For Glaucoma Associated With Boston Keratoprosthesis Type I and II. Journal of Glaucoma, 2019, 28, 718-726.	1.6	10
22	Artifact Rates for 2D Retinal Nerve Fiber Layer Thickness Versus 3D Neuroretinal Rim Thickness Using Spectral-Domain Optical Coherence Tomography. Translational Vision Science and Technology, 2020, 9, 10.	2.2	10
23	Lymphatic function measurements influenced by contrast agent volume and body position. JCI Insight, 2018, 3, .	5.0	10
24	A Neural Network Approach to Quantify Blood Flow from Retinal OCT Intensity Time-Series Measurements. Scientific Reports, 2020, 10, 9611.	3.3	7
25	Diagnostic Capability of 3D Peripapillary Retinal Volume for Glaucoma Using Optical Coherence Tomography Customized Software. Journal of Glaucoma, 2019, 28, 708-717.	1.6	5
26	Multi-beam OCT imaging based on an integrated, free-space interferometer. Biomedical Optics Express, 2021, 12, 100.	2.9	3
27	Local vasoregulative interventions impact drug concentrations in the skin after topical laserâ€assisted delivery. Lasers in Surgery and Medicine, 2022, , .	2.1	3
28	Stepped frequency comb generation based on electro-optic phase-code mode-locking for moderate-speed circular-ranging OCT. Biomedical Optics Express, 2020, 11, 3534.	2.9	2
29	Circular Ranging Optical Coherence Tomography using a Fourier-Domain Mode-Locked Frequency Comb. , 2018, , .		1
30	Solid stress impairs lymphocyte infiltration into lymph node metastases. FASEB Journal, 2022, 36, .	0.5	1
31	Using the dynamic forward scattering signal for optical coherence tomography based blood flow quantification. Optics Letters, 2022, 47, 3083.	3.3	1
32	Fast angiographic OCT imaging using sparse representations over learned dictionaries. , 2011, , .		0