

Stephen A Boppart

List of PR Articles by Year in descending order

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349

PR articles

13,286

PR citations

13954

58

PR h-index

15254

112

g-index

509

documents

19986

doc citations

8682

71

h-index

13853

citing authors

#	ARTICLE	IF	PR CITATIONS
1	A multimodal nonlinear optical microscopy study of the responses of <i>Pseudomonas aeruginosa</i> to blue light and antibiotic treatment. <i>Journal of Biophotonics</i> , 2024, 17, .	2.1	4
2	Simultaneous label-free autofluorescence multi-harmonic microscopy driven by the supercontinuum generated from a bulk nonlinear crystal. <i>Biomedical Optics Express</i> , 2024, 15, 491.	2.9	10
3	Label-free multimodal polarization-sensitive optical microscope for multiparametric quantitative characterization of collagen. <i>Optica</i> , 2024, 11, 155.	7.7	10
4	Temporally optimized and spectrally shaped hyperspectral coherent anti-Stokes Raman scattering microscopy. <i>Optics Express</i> , 2024, 32, 11474.	3.0	6
5	Analog multiplexing of a laser clock and computational photon counting for fast fluorescence lifetime imaging microscopy. <i>Biomedical Optics Express</i> , 2024, 15, 2048.	2.9	3
6	Label-free nonlinear optical signatures of extracellular vesicles in liquid and tissue biopsies of human breast cancer. <i>Scientific Reports</i> , 2024, 14, .	3.5	7
7	Programmable hyperspectral coherent anti-Stokes Raman scattering microscopy. <i>Optics Letters</i> , 2024, 49, 2513.	3.0	5
8	Predicting DNA damage response in non-small cell lung cancer organoids via simultaneous label-free autofluorescence multiharmonic microscopy. <i>Redox Biology</i> , 2024, 75, 103280.	11.0	3
9	Dispersion mismatch correction for evident chromatic anomaly in low coherence interferometry. <i>APL Photonics</i> , 2024, 9, .	4.4	4
10	Texture-based speciation of otitis media-related bacterial biofilms from optical coherence tomography images using supervised classification. <i>Journal of Biophotonics</i> , 2024, 17, .	2.1	3
11	Tunable image-mapping optical coherence tomography. <i>Biomedical Optics Express</i> , 2023, 14, 627.	2.9	2
12	Nonlinear Imaging Histopathology: A Pipeline to Correlate Gold-Standard Hematoxylin and Eosin Staining With Modern Nonlinear Microscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2023, 29, 1-8.	2.8	14
13	Weakly supervised identification of microscopic human breast cancer-related optical signatures from normal-appearing breast tissue. <i>Biomedical Optics Express</i> , 2023, 14, 1339.	2.9	4
14	Phase-sensitive detection of anomalous diffusion dynamics in the neuronal membrane induced by ion channel gating. <i>Physics in Medicine and Biology</i> , 2023, 68, 065005.	3.1	0
15	In Vivo Optical Characterization of Middle Ear Effusions and Biofilms During Otitis Media. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2023, 24, 325-337.	2.0	5
16	In vivo label-free optical signatures of chemotherapy response in human pancreatic ductal adenocarcinoma patient-derived xenografts. <i>Communications Biology</i> , 2023, 6, .	4.4	4
17	Ratiometric analysis of in vivo optical coherence tomography retinal layer thicknesses for detection of changes in Alzheimer's disease. <i>Translational Biophotonics</i> , 2023, 5, .	1.3	6
18	Label-free biomedical optical imaging. <i>Nature Photonics</i> , 2023, 17, 1031-1041.	29.6	107

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19	Differential Uptake of Antisense Oligonucleotides in Mouse Hepatocytes and Macrophages Revealed by Simultaneous Two-Photon Excited Fluorescence and Coherent Raman Imaging. <i>Nucleic Acid Therapeutics</i> , 2022, 32, 163-176.	4.6	11
20	Imaging and characterization of transitions in biofilm morphology via anomalous diffusion following environmental perturbation. <i>Biomedical Optics Express</i> , 2022, 13, 1654.	2.9	1
21	Label-free metabolic and structural profiling of dynamic biological samples using multimodal optical microscopy with sensorless adaptive optics. <i>Scientific Reports</i> , 2022, 12, .	3.5	22
22	Ultra-parallel label-free optophysiology of neural activity. <i>IScience</i> , 2022, 25, 104307.	3.6	8
23	Automated classification of otitis media with OCT: augmenting pediatric image datasets with gold-standard animal model data. <i>Biomedical Optics Express</i> , 2022, 13, 3601.	2.9	7
24	Label-free multimodal nonlinear optical imaging of needle biopsy cores for intraoperative cancer diagnosis. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.3	11
25	Self-locomotive, antimicrobial microrobot (SLAM) swarm for enhanced biofilm elimination. <i>Biomaterials</i> , 2022, 287, 121610.	12.3	23
26	Tracking the binding of multi-functional fluorescent tags for Alzheimer's disease using quantitative multiphoton microscopy. <i>Journal of Biophotonics</i> , 2022, 15, .	2.1	3
27	Multimodal Handheld Probe for Characterizing Otitis Media " Integrating Raman Spectroscopy and Optical Coherence Tomography. <i>Frontiers in Photonics</i> , 2022, 3, .	1.7	9
28	Computational Photon Counting Using Multithreshold Peak Detection for Fast Fluorescence Lifetime Imaging Microscopy. <i>ACS Photonics</i> , 2022, 9, 2748-2755.	6.0	25
29	The unperturbed picture: Label-free real-time optical monitoring of cells and extracellular vesicles for therapy. <i>Current Opinion in Biomedical Engineering</i> , 2022, 24, 100414.	2.8	1
30	The feasibility and utility of optical coherence tomography directed histopathology for surgical margin assessment of canine mast cell tumours. <i>Veterinary and Comparative Oncology</i> , 2021, 19, 616-623.	2.0	10
31	Evaluating optical coherence tomography for surgical margin assessment of canine mammary tumours. <i>Veterinary and Comparative Oncology</i> , 2021, 19, 697-706.	2.0	11
32	Optical coherence tomography imaging of excised canine apocrine gland anal sac adenocarcinoma tumours. <i>Veterinary and Comparative Oncology</i> , 2021, 19, 759-762.	2.0	8
33	<i>In vivo</i> dynamic characterization of the human tympanic membrane using pneumatic optical coherence tomography. <i>Journal of Biophotonics</i> , 2021, 14, .	2.1	9
34	Diagnostic accuracy of optical coherence tomography for assessing surgical margins of canine soft tissue sarcomas in observers of different specialties. <i>Veterinary Surgery</i> , 2021, 50, 111-120.	1.2	8
35	Large-scale tumor-associated collagen signatures identify high-risk breast cancer patients. <i>Theranostics</i> , 2021, 11, 3229-3243.	11.5	107
36	Biomechanical sensing of <i>in vivo</i> magnetic nanoparticle hyperthermia-treated melanoma using magnetomotive optical coherence elastography. <i>Theranostics</i> , 2021, 11, 5620-5633.	11.5	34

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37	High-speed label-free two-photon fluorescence microscopy of metabolic transients during neuronal activity. <i>Applied Physics Letters</i> , 2021, 118, .	3.0	14
38	Label-free characterization of single extracellular vesicles using two-photon fluorescence lifetime imaging microscopy of NAD(P)H. <i>Scientific Reports</i> , 2021, 11, .	3.5	26
39	Tracking the formation and degradation of fatty-acid-accumulated mitochondria using label-free chemical imaging. <i>Scientific Reports</i> , 2021, 11, .	3.5	9
40	Longitudinal optical coherence tomography to visualize the in vivo response of middle ear biofilms to antibiotic therapy. <i>Scientific Reports</i> , 2021, 11, .	3.5	20
41	Differentiation of breast tissue types for surgical margin assessment using machine learning and polarization-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 3021.	2.9	38
42	Computational adaptive optics for polarization-sensitive optical coherence tomography. <i>Optics Letters</i> , 2021, 46, 2071.	3.0	7
43	Handheld Briefcase Optical Coherence Tomography with Real-Time Machine Learning Classifier for Middle Ear Infections. <i>Biosensors</i> , 2021, 11, 143.	5.0	19
44	The Cholesterol Metabolite 27HC Increases Secretion of Extracellular Vesicles Which Promote Breast Cancer Progression. <i>Endocrinology</i> , 2021, 162, .	2.6	39
45	Compressive sensing for polarization sensitive optical coherence tomography. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 294005.	3.0	7
46	Longitudinal monitoring of cell metabolism in biopharmaceutical production using label-free fluorescence lifetime imaging microscopy. <i>Biotechnology Journal</i> , 2021, 16, .	3.3	13
47	Roadmap on bio-nano-photonics. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 073001.	2.6	11
48	Inactivation and sensitization of <i>Pseudomonas aeruginosa</i> by microplasma jet array for treating otitis media. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, .	8.1	14
49	Real-time pixelwise phasor analysis for video-rate two-photon fluorescence lifetime imaging microscopy. <i>Biomedical Optics Express</i> , 2021, 12, 4003.	2.9	25
50	Synthetic polarization-sensitive optical coherence tomography by deep learning. <i>Npj Digital Medicine</i> , 2021, 4, .	10.7	25
51	Intraoperative Label-Free Multimodal Nonlinear Optical Imaging for Point-of-Procedure Cancer Diagnostics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-12.	2.8	13
52	Fluorescent nanodiamonds for characterization of nonlinear microscopy systems. <i>Photonics Research</i> , 2021, 9, 2309.	6.5	1
53	Diagnostic accuracy of optical coherence tomography for surgical margin assessment of feline injection-site sarcoma. <i>Veterinary and Comparative Oncology</i> , 2021, , .	2.0	7
54	Simultaneous 4-phase-shifted full-field optical coherence microscopy. <i>Biomedical Optics Express</i> , 2021, 12, 981.	2.9	10

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55	Efficacy of endotracheal tube suctioning in intubated intensive care unit patients determined by in vivo catheter-based optical coherence tomography—a pilot study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1-8.	1.5	5
56	Single-photon peak event detection (SPEED): a computational method for fast photon counting in fluorescence lifetime imaging microscopy. <i>Optics Express</i> , 2021, 29, 37759.	3.0	27
57	Assessing the Effect of Middle Ear Effusions on Wideband Acoustic Immittance Using Optical Coherence Tomography. <i>Ear and Hearing</i> , 2020, 41, 811-824.	2.5	29
58	Assessing the severity of psoriasis through multivariate analysis of optical images from non-lesional skin. <i>Scientific Reports</i> , 2020, 10, .	3.5	28
59	Dynamic Signatures of Lipid Droplets as New Markers to Quantify Cellular Metabolic Changes. <i>Analytical Chemistry</i> , 2020, 92, 15943-15952.	6.5	29
60	In vivo characterization of minipig skin as a model for dermatological research using multiphoton microscopy. <i>Experimental Dermatology</i> , 2020, 29, 953-960.	2.8	26
61	Effect of Nonphosphorus Corrosion Inhibitors on Biofilm Pore Structure and Mechanical Properties. <i>Environmental Science & Technology</i> , 2020, 54, 14716-14724.	11.1	8
62	Real-time three-dimensional histology-like imaging by label-free nonlinear optical microscopy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 2177-2190.	1.5	25
63	Non-invasive monitoring of pharmacodynamics during the skin wound healing process using multimodal optical microscopy. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000974.	3.6	18
64	Video-rate multimodal multiphoton imaging and three-dimensional characterization of cellular dynamics in wounded skin. <i>Journal of Innovative Optical Health Sciences</i> , 2020, 13, .	1.2	9
65	Dynamic Tracking Algorithm for Time-Varying Neuronal Network Connectivity using Wide-Field Optical Image Video Sequences. <i>Scientific Reports</i> , 2020, 10, .	3.5	6
66	Otitis Media Middle Ear Effusion Identification and Characterization Using an Optical Coherence Tomography Otoscope. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 162, 367-374.	2.4	36
67	Phase-based Eulerian motion magnification reveals eardrum mobility from pneumatic otoscopy without sealing the ear canal. <i>JPhys Photonics</i> , 2020, 2, 034004.	7.0	4
68	Handheld optical coherence tomography for clinical assessment of dental plaque and gingiva. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.3	20
69	Simultaneous two-photon activation and imaging of neural activity based on spectral-temporal modulation of supercontinuum light. <i>Neurophotonics</i> , 2020, 7, .	2.9	15
70	Depixelation and enhancement of fiber bundle images by bundle rotation. <i>Applied Optics</i> , 2020, 59, 536.	1.5	23
71	Full-field spectral-domain optical interferometry for snapshot three-dimensional microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 5903.	2.9	19
72	Automated fast computational adaptive optics for optical coherence tomography based on a stochastic parallel gradient descent algorithm. <i>Optics Express</i> , 2020, 28, 23306.	3.0	18

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73	Two-photon microscope using a fiber-based approach for supercontinuum generation and light delivery to a small-footprint optical head. <i>Optics Letters</i> , 2020, 45, 909.	3.0	7
74	K-means clustering of coherent Raman spectra from extracellular vesicles visualized by label-free multiphoton imaging. <i>Optics Letters</i> , 2020, 45, 3613.	3.0	15
75	Single-shot two-dimensional spectroscopic magnetomotive optical coherence elastography with graphics processing unit acceleration. <i>Optics Letters</i> , 2020, 45, 4124.	3.0	7
76	Emergency ventilator for COVID-19. <i>PLoS ONE</i> , 2020, 15, e0244963.	2.4	34
77	flimview : A software framework to handle, visualize and analyze FLIM data. <i>F1000Research</i> , 2020, 9, 574.	0.5	5
78	Development of a fast calibration method for image mapping spectrometry. <i>Applied Optics</i> , 2020, 59, 6062.	1.5	6
79	Statistical evaluation of reader variability in assessing the diagnostic performance of optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.3	2
80	Characterization of Magnetic Nanoparticle-Seeded Microspheres for Magnetomotive and Multimodal Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-14.	2.8	4
81	Comparison between optical coherence tomographic and histopathologic appearances of artifacts caused by common surgical conditions and instrumentation. <i>Veterinary Surgery</i> , 2019, 48, 1361-1371.	1.2	6
82	Low-noise femtosecond Cherenkov fiber laser, continuously tunable across the entire red-green-blue spectral range. <i>EPJ Web of Conferences</i> , 2019, 205, 01002.	0.3	0
83	Label-free molecular profiling for identification of biomarkers in carcinogenesis using multimodal multiphoton imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 742-742.	1.5	16
84	Automated classification platform for the identification of otitis media using optical coherence tomography. <i>Npj Digital Medicine</i> , 2019, 2, .	10.7	35
85	Label-free visualization and characterization of extracellular vesicles in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24012-24018.	7.6	79
86	Real-time intraoperative diagnosis by deep neural network driven multiphoton virtual histology. <i>Npj Precision Oncology</i> , 2019, 3, .	6.7	42
87	In vivo detection of endotracheal tube biofilms in intubated critical care patients using catheter-based optical coherence tomography. <i>Journal of Biophotonics</i> , 2019, 12, .	2.1	10
88	Intraoperative imaging of surgical margins of canine soft tissue sarcoma using optical coherence tomography. <i>Veterinary and Comparative Oncology</i> , 2019, 17, 80-88.	2.0	21
89	Interstitial magnetic thermotherapy dosimetry based on shear wave magnetomotive optical coherence elastography. <i>Biomedical Optics Express</i> , 2019, 10, 539.	2.9	15
90	Digital staining through the application of deep neural networks to multi-modal multi-photon microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 1339.	2.9	72

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91	Simultaneous label-free autofluorescence and multi-harmonic imaging reveals in vivo structural and metabolic changes in murine skin. <i>Biomedical Optics Express</i> , 2019, 10, 5431.	2.9	27
92	Tracking metabolic dynamics of apoptosis with high-speed two-photon fluorescence lifetime imaging microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 6408.	2.9	34
93	Automated sensorless single-shot closed-loop adaptive optics microscopy with feedback from computational adaptive optics. <i>Optics Express</i> , 2019, 27, 12998.	3.0	14
94	Local wavefront mapping in tissue using computational adaptive optics OCT. <i>Optics Letters</i> , 2019, 44, 1186.	3.0	8
95	Detection of weak near-infrared optical imaging signals under ambient light by optical parametric amplification. <i>Optics Letters</i> , 2019, 44, 4391.	3.0	22
96	Intraoperative optical coherence tomography of the human thyroid: Feasibility for surgical assessment. <i>Translational Research</i> , 2018, 195, 13-24.	4.2	14
97	Magnetomotive Displacement of the Tympanic Membrane Using Magnetic Nanoparticles: Toward Enhancement of Sound Perception. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2837-2846.	3.3	12
98	Direct Analysis of Pathogenic Structures Affixed to the Tympanic Membrane during Chronic Otitis Media. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 159, 117-126.	2.4	29
99	Investigating the healing mechanisms of an angiogenesis-promoting topical treatment for diabetic wounds using multimodal microscopy. <i>Journal of Biophotonics</i> , 2018, 11, .	2.1	15
100	Optical assessment of the <i>in vivo</i> tympanic membrane status using a handheld optical coherence tomography-based otoscope. <i>Acta Oto-Laryngologica</i> , 2018, 138, 367-374.	0.9	22
101	Intraoperative visualization of the tumor microenvironment and quantification of extracellular vesicles by label-free nonlinear imaging. <i>Science Advances</i> , 2018, 4, .	11.0	86
102	Disintegration of simulated drinking water biofilms with arrays of microchannel plasma jets. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, .	8.1	18
103	Intravital imaging by simultaneous label-free autofluorescence-multiharmonic microscopy. <i>Nature Communications</i> , 2018, 9, .	13.9	246
104	Pneumatic low-coherence interferometry otoscope to quantify tympanic membrane mobility and middle ear pressure. <i>Biomedical Optics Express</i> , 2018, 9, 397.	2.9	16
105	Combined hardware and computational optical wavefront correction. <i>Biomedical Optics Express</i> , 2018, 9, 2562.	2.9	18
106	Wavefront measurement using computational adaptive optics. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 466.	1.3	20
107	Effect of divalent ions and a polyphosphate on composition, structure, and stiffness of simulated drinking water biofilms. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, .	8.1	45
108	In vivo detection of nanometer-scale structural changes of the human tympanic membrane in otitis media. <i>Scientific Reports</i> , 2018, 8, .	3.5	31

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109	Economical and compact briefcase spectral-domain optical coherence tomography system for primary care and point-of-care applications. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.3	23
110	Slide-free virtual histochemistry (Part I): development via nonlinear optics. <i>Biomedical Optics Express</i> , 2018, 9, 5240.	2.9	39
111	Slide-free virtual histochemistry (Part II): detection of field cancerization. <i>Biomedical Optics Express</i> , 2018, 9, 5253.	2.9	33
112	Complementary use of polarization-sensitive and standard OCT metrics for enhanced intraoperative differentiation of breast cancer. <i>Biomedical Optics Express</i> , 2018, 9, 6519.	2.9	38
113	High-speed imaging of transient metabolic dynamics using two-photon fluorescence lifetime imaging microscopy. <i>Optica</i> , 2018, 5, 1290.	7.7	65
114	Noninvasive optical assessment of viscosity of middle ear effusions in otitis media. <i>Journal of Biophotonics</i> , 2017, 10, 394-403.	2.1	51
115	Label-free <i>in vivo</i> cellular-level detection and imaging of apoptosis. <i>Journal of Biophotonics</i> , 2017, 10, 143-150.	2.1	33
116	Concurrence of extracellular vesicle enrichment and metabolic switch visualized label-free in the tumor microenvironment. <i>Science Advances</i> , 2017, 3, .	11.0	48
117	Quantitative characterization of mechanically indented <i>in vivo</i> human skin in adults and infants using optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 034001.	2.3	8
118	Selective <i>in vivo</i> metabolic cell-labeling-mediated cancer targeting. <i>Nature Chemical Biology</i> , 2017, 13, 415-424.	12.0	359
119	<i>In Vivo</i> Assessment of Engineered Skin Cell Delivery with Multimodal Optical Microscopy. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 434-442.	2.5	3
120	Ratiometric analysis of optical coherence tomography-measured <i>in vivo</i> retinal layer thicknesses for the detection of early diabetic retinopathy. <i>Journal of Biophotonics</i> , 2017, 10, 1430-1441.	2.1	7
121	Quantitative Pneumatic Otoscopy Using a Light-Based Ranging Technique. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2017, 18, 555-568.	2.0	20
122	Review of optical coherence tomography in oncology. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.3	144
123	Low-cost hand-held probe for depth-resolved low-coherence interferometry. <i>Biomedical Optics Express</i> , 2017, 8, 338.	2.9	27
124	Computational optical coherence tomography [Invited]. <i>Biomedical Optics Express</i> , 2017, 8, 1549.	2.9	60
125	Nonlinearity-tailored fiber laser technology for low-noise, ultra-wideband tunable femtosecond light generation. <i>Photonics Research</i> , 2017, 5, 750.	6.5	23
126	A quantitative framework for the analysis of multimodal optical microscopy images. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 24-37.	1.5	11

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127	Noninvasive in vivo optical coherence tomography tracking of chronic otitis media in pediatric subjects after surgical intervention. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.3	44
128	Clinical translation of handheld optical coherence tomography: practical considerations and recent advancements. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.3	58
129	Biophotonics: the big picture. <i>Journal of Biomedical Optics</i> , 2017, 23, 1.	2.3	28
130	Label-free optical imaging technologies for rapid translation and use during intraoperative surgical and tumor margin assessment. <i>Journal of Biomedical Optics</i> , 2017, 23, 1.	2.3	32
131	In vivo 3D imaging of the human tympanic membrane using a wide-field diagonal-scanning optical coherence tomography probe. <i>Applied Optics</i> , 2017, 56, D115.	1.8	17
132	Sensor-Based Technique for Manually Scanned Hand-Held Optical Coherence Tomography Imaging. <i>Journal of Sensors</i> , 2016, 2016, 1-7.	1.1	18
133	Ratiometric analysis of in vivo retinal layer thicknesses in multiple sclerosis. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	2.3	3
134	Progress in Cherenkov femtosecond fiber lasers. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 023001.	3.0	34
135	Longitudinal <i>in vivo</i> tracking of adverse effects following topical steroid treatment. <i>Experimental Dermatology</i> , 2016, 25, 362-367.	2.8	11
136	Stain-free histopathology by programmable supercontinuum pulses. <i>Nature Photonics</i> , 2016, 10, 534-540.	29.6	223
137	Detection of retinal blood vessel changes in multiple sclerosis with optical coherence tomography. <i>Biomedical Optics Express</i> , 2016, 7, 2321.	2.9	23
138	A Mosaicking Approach for In Vivo Thickness Mapping of the Human Tympanic Membrane Using Low Coherence Interferometry. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2016, 17, 403-416.	2.0	32
139	Filtering for unwrapping noisy Doppler optical coherence tomography images for extended microscopic fluid velocity measurement range. <i>Optics Letters</i> , 2016, 41, 4024.	3.0	5
140	<i>In vivo</i> evaluation of adipose- and muscle-derived stem cells as a treatment for nonhealing diabetic wounds using multimodal microscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 086006.	2.3	10
141	Automated computational aberration correction method for broadband interferometric imaging techniques. <i>Optics Letters</i> , 2016, 41, 3324.	3.0	31
142	Raman Spectroscopic Analysis Reveals Abnormal Fatty Acid Composition in Tumor Micro- and Macroenvironments in Human Breast and Rat Mammary Cancer. <i>Scientific Reports</i> , 2016, 6, .	3.5	36
143	Intraoperative optical coherence tomography for assessing human lymph nodes for metastatic cancer. <i>BMC Cancer</i> , 2016, 16, .	3.1	51
144	Response of Simulated Drinking Water Biofilm Mechanical and Structural Properties to Long-Term Disinfectant Exposure. <i>Environmental Science & Technology</i> , 2016, 50, 1779-1787.	11.1	86

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145	Intravascular magnetomotive optical coherence tomography of targeted early-stage atherosclerotic changes in ex vivo hyperlipidemic rabbit aortas. <i>Journal of Biophotonics</i> , 2016, 9, 109-116.	2.1	12
146	Computed Optical Interferometric Imaging: Methods, Achievements, and Challenges. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 186-196.	2.8	9
147	Magnetomotive Optical Coherence Elastography for Magnetic Hyperthermia Dosimetry Based on Dynamic Tissue Biomechanics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 104-119.	2.8	22
148	Automated interferometric synthetic aperture microscopy and computational adaptive optics for improved optical coherence tomography. <i>Applied Optics</i> , 2016, 55, 2034.	1.8	18
149	Rapid diagnosis and differentiation of microbial pathogens in otitis media with a combined Raman spectroscopy and low-coherence interferometry probe: toward in vivo implementation. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	2.3	18
150	Effect of recombinant interleukin-12 on murine skin regeneration and cell dynamics using in vivo multimodal microscopy. <i>Biomedical Optics Express</i> , 2015, 6, 4277.	2.9	20
151	Polarization-sensitive interferometric synthetic aperture microscopy. <i>Applied Physics Letters</i> , 2015, 107, .	3.0	10
152	Retinal imaging with en face and cross-sectional optical coherence tomography delineates outer retinal changes in cancer-associated retinopathy secondary to Merkel cell carcinoma. <i>Journal of Ophthalmic Inflammation and Infection</i> , 2015, 5, .	2.0	7
153	Suppressing Short-Term Polarization Noise and Related Spectral Decoherence in All-Normal Dispersion Fiber Supercontinuum Generation. <i>Journal of Lightwave Technology</i> , 2015, 33, 1814-1820.	3.5	53
154	Noninvasive depth-resolved optical measurements of the tympanic membrane and middle ear for differentiating otitis media. <i>Laryngoscope</i> , 2015, 125, .	1.5	80
155	Enhancement and wavelength-shifted emission of Cerenkov luminescence using multifunctional microspheres. <i>Physics in Medicine and Biology</i> , 2015, 60, 727-739.	3.1	17
156	Intraoperative Assessment of Final Margins with a Handheld Optical Imaging Probe During Breast-Conserving Surgery May Reduce the Reoperation Rate: Results of a Multicenter Study. <i>Annals of Surgical Oncology</i> , 2015, 22, 3356-3362.	2.5	107
157	Role of Biofilm Roughness and Hydrodynamic Conditions in <i>Legionella pneumophila</i> Adhesion to and Detachment from Simulated Drinking Water Biofilms. <i>Environmental Science & Technology</i> , 2015, 49, 4274-4282.	11.1	120
158	Non-invasive, real-time reporting drug release in vitro and in vivo. <i>Chemical Communications</i> , 2015, 51, 6948-6951.	3.4	52
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