

# Ton G Van Leeuwen

## List of Publications by Year in descending order

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348  
papers

14,721  
citations

19608

61  
h-index

24915

109  
g-index

356  
all docs

356  
docs citations

356  
times ranked

14638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017, 120, 1632-1648.	2.0	728
2	Particle size distribution of exosomes and microvesicles determined by transmission electron microscopy, flow cytometry, nanoparticle tracking analysis, and resistive pulse sensing. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 1182-1192.	1.9	698
3	Optical and non-optical methods for detection and characterization of microparticles and exosomes. <i>Journal of Thrombosis and Haemostasis</i> , 2010, 8, 2596-2607.	1.9	454
4	Single vs. swarm detection of microparticles and exosomes by flow cytometry. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 919-930.	1.9	334
5	A literature review and novel theoretical approach on the optical properties of whole blood. <i>Lasers in Medical Science</i> , 2014, 29, 453-479.	1.0	310
6	Recent developments in optical coherence tomography for imaging the retina. <i>Progress in Retinal and Eye Research</i> , 2007, 26, 57-77.	7.3	304
7	Review of laser speckle contrast techniques for visualizing tissue perfusion. <i>Lasers in Medical Science</i> , 2009, 24, 639-651.	1.0	296
8	Quantitative measurement of attenuation coefficients of weakly scattering media using optical coherence tomography. <i>Optics Express</i> , 2004, 12, 4353.	1.7	271
9	Initial results of in vivo non-invasive cancer imaging in the human breast using near-infrared photoacoustics. <i>Optics Express</i> , 2007, 15, 12277.	1.7	260
10	Review of methodological developments in laser Doppler flowmetry. <i>Lasers in Medical Science</i> , 2009, 24, 269-283.	1.0	228
11	Hyperspectral imaging for non-contact analysis of forensic traces. <i>Forensic Science International</i> , 2012, 223, 28-39.	1.3	223
12	Oxygen Saturation-Dependent Absorption and Scattering of Blood. <i>Physical Review Letters</i> , 2004, 93, 028102.	2.9	222
13	Serial noninvasive photoacoustic imaging of neovascularization in tumor angiogenesis. <i>Optics Express</i> , 2005, 13, 89.	1.7	219
14	The Twente Photoacoustic Mammoscope: system overview and performance. <i>Physics in Medicine and Biology</i> , 2005, 50, 2543-2557.	1.6	201
15	Temperature dependence of the absorption coefficient of water for midinfrared laser radiation. <i>Lasers in Surgery and Medicine</i> , 1994, 14, 258-268.	1.1	196
16	Visualizing breast cancer using the Twente photoacoustic mammoscope: What do we learn from twelve new patient measurements?. <i>Optics Express</i> , 2012, 20, 11582.	1.7	185
17	Refractive Index Determination of Nanoparticles in Suspension Using Nanoparticle Tracking Analysis. <i>Nano Letters</i> , 2014, 14, 6195-6201.	4.5	161
18	Intraluminal vapor bubble induced by excimer laser pulse causes microsecond arterial dilation and invagination leading to extensive wall damage in the rabbit.. <i>Circulation</i> , 1993, 87, 1258-1263.	1.6	152

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19	Light absorption of (oxy-)hemoglobin assessed by spectroscopic optical coherence tomography. Optics Letters, 2003, 28, 1436.	1.7	150
20	Mitochondrial PO <sub>2</sub> measured by delayed fluorescence of endogenous protoporphyrin IX. Nature Methods, 2006, 3, 939-945.	9.0	148
21	Localized measurement of optical attenuation coefficients of atherosclerotic plaque constituents by quantitative optical coherence tomography. IEEE Transactions on Medical Imaging, 2005, 24, 1369-1376.	5.4	141
22	In vivo photoacoustic imaging of blood vessels with a pulsed laser diode. Lasers in Medical Science, 2006, 21, 134-139.	1.0	138
23	Origin of arterial wall dissections induced by pulsed excimer and mid-infrared laser ablation in the pig. Journal of the American College of Cardiology, 1992, 19, 1610-1618.	1.2	137
24	Blood clearance and tissue distribution of PEGylated and non-PEGylated gold nanorods after intravenous administration in rats. Nanomedicine, 2011, 6, 339-349.	1.7	136
25	<i>In vitro</i> toxicity studies of polymer-coated gold nanorods. Nanotechnology, 2010, 21, 145101.	1.3	134
26	Real-time in vivo photoacoustic and ultrasound imaging. Journal of Biomedical Optics, 2008, 13, 1.	1.4	133
27	Light Interactions with Gold Nanorods and Cells: Implications for Photothermal Nanotherapeutics. Nano Letters, 2011, 11, 1887-1894.	4.5	130
28	Standardization of extracellular vesicle measurements by flow cytometry through vesicle diameter approximation. Journal of Thrombosis and Haemostasis, 2018, 16, 1236-1245.	1.9	130
29	Noncontact tissue ablation by Holmium: YSGG laser pulses in blood. Lasers in Surgery and Medicine, 1991, 11, 26-34.	1.1	129
30	Measurement of the axial point spread function in scattering media using single-mode fiber-based optical coherence tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 227-233.	1.9	129
31	Toward assessment of blood oxygen saturation by spectroscopic optical coherence tomography. Optics Letters, 2005, 30, 1015.	1.7	129
32	A New Generation of Optical Diagnostics for Bladder Cancer: Technology, Diagnostic Accuracy, and Future Applications. European Urology, 2009, 56, 287-297.	0.9	127
33	Reproducible extracellular vesicle size and concentration determination with tunable resistive pulse sensing. Journal of Extracellular Vesicles, 2014, 3, 25922.	5.5	126
34	Forensic quest for age determination of bloodstains. Forensic Science International, 2012, 216, 1-11.	1.3	120
35	Optical phantoms of varying geometry based on thin building blocks with controlled optical properties. Journal of Biomedical Optics, 2010, 15, 025001.	1.4	115
36	Photoacoustic image patterns of breast carcinoma and comparisons with Magnetic Resonance Imaging and vascular stained histopathology. Scientific Reports, 2015, 5, 11778.	1.6	111

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37	Speed-of-sound compensated photoacoustic tomography for accurate imaging. <i>Medical Physics</i> , 2012, 39, 7262-7271.	1.6	108
38	Synthesis and Bioconjugation of Gold Nanoparticles as Potential Molecular Probes for Light-Based Imaging Techniques. <i>International Journal of Biomedical Imaging</i> , 2007, 2007, 1-10.	3.0	105
39	Absolute sizing and label-free identification of extracellular vesicles by flow cytometry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 801-810.	1.7	105
40	Combined Raman spectroscopy and optical coherence tomography device for tissue characterization. <i>Optics Letters</i> , 2008, 33, 1135.	1.7	104
41	Gold nanorods as molecular contrast agents in photoacoustic imaging: the promises and the caveats. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 389-400.	0.4	104
42	Velocity-estimation accuracy and frame-rate limitations in color Doppler optical coherence tomography. <i>Optics Letters</i> , 1998, 23, 1057.	1.7	101
43	Photoacoustic mammography laboratory prototype: imaging of breast tissue phantoms. <i>Journal of Biomedical Optics</i> , 2004, 9, 1172.	1.4	99
44	Age estimation of blood stains by hemoglobin derivative determination using reflectance spectroscopy. <i>Forensic Science International</i> , 2011, 206, 166-171.	1.3	98
45	Photoacoustic Imaging of the Breast Using the Twente Photoacoustic Mammoscope: Present Status and Future Perspectives. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 730-739.	1.9	94
46	Deep learning for automatic Gleason pattern classification for grade group determination of prostate biopsies. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2019, 475, 77-83.	1.4	94
47	Hyperspectral imaging for the age estimation of blood stains at the crime scene. <i>Forensic Science International</i> , 2012, 223, 72-77.	1.3	93
48	Discrete dipole approximation simulations of gold nanorod optical properties: Choice of input parameters and comparison with experiment. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	84
49	Passive element enriched photoacoustic computed tomography (PER PACT) for simultaneous imaging of acoustic propagation properties and light absorption. <i>Optics Express</i> , 2011, 19, 2093.	1.7	84
50	Quantitative comparison of the OCT imaging depth at 1300 nm and 1600 nm. <i>Biomedical Optics Express</i> , 2010, 1, 176.	1.5	81
51	Identification and age estimation of blood stains on colored backgrounds by near infrared spectroscopy. <i>Forensic Science International</i> , 2012, 220, 239-244.	1.3	81
52	Photoacoustic determination of blood vessel diameter. <i>Physics in Medicine and Biology</i> , 2004, 49, 4745-4756.	1.6	79
53	Comparison of Generic Fluorescent Markers for Detection of Extracellular Vesicles by Flow Cytometry. <i>Clinical Chemistry</i> , 2018, 64, 680-689.	1.5	76
54	Imaging of tumor vasculature using Twente photoacoustic systems. <i>Journal of Biophotonics</i> , 2009, 2, 701-717.	1.1	73

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55	Iodide Impurities in Hexadecyltrimethylammonium Bromide (CTAB) Products: Lot-to-Lot Variations and Influence on Gold Nanorod Synthesis. <i>Langmuir</i> , 2010, 26, 5050-5055.	1.6	73
56	High-flow-velocity and shear-rate imaging by use of color Doppler optical coherence tomography. <i>Optics Letters</i> , 1999, 24, 1584.	1.7	67
57	Volumetric In-Vivo Visualization of Upper Urinary Tract Tumors Using Optical Coherence Tomography: A Pilot Study. <i>Journal of Urology</i> , 2013, 190, 2236-2242.	0.2	66
58	Concomitant speed-of-sound tomography in photoacoustic imaging. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	64
59	Quantitative measurement of attenuation coefficients of bladder biopsies using optical coherence tomography for grading urothelial carcinoma of the bladder. <i>Journal of Biomedical Optics</i> , 2010, 15, 066013.	1.4	64
60	Determination of the scattering anisotropy with optical coherence tomography. <i>Optics Express</i> , 2011, 19, 6131.	1.7	64
61	Heartbeat-Induced Axial Motion Artifacts in Optical Coherence Tomography Measurements of the Retina. , 2011, 52, 3908.		63
62	Evaluation of superparamagnetic iron oxide nanoparticles (Endorem®) as a photoacoustic contrast agent for intra-operative nodal staging. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 83-91.	0.4	63
63	A clinical instrument for combined raman spectroscopy-optical coherence tomography of skin cancers. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 143-151.	1.1	62
64	Differentiation between normal renal tissue and renal tumours using functional optical coherence tomography: a phase I in vivo human study. <i>BJU International</i> , 2012, 110, E415-20.	1.3	61
65	Limitations and Opportunities of Transcutaneous Bilirubin Measurements. <i>Pediatrics</i> , 2012, 129, 689-694.	1.0	60
66	Quantitative determination of localized tissue oxygen concentration in vivo by two-photon excitation phosphorescence lifetime measurements. <i>Journal of Applied Physiology</i> , 2004, 97, 1962-1969.	1.2	59
67	Biphasic Oxidation of Oxy-Hemoglobin in Bloodstains. <i>PLoS ONE</i> , 2011, 6, e21845.	1.1	59
68	Apoptosis- and necrosis-induced changes in light attenuation measured by optical coherence tomography. <i>Lasers in Medical Science</i> , 2010, 25, 259-267.	1.0	58
69	Quantitative blood flow velocity imaging using laser speckle flowmetry. <i>Scientific Reports</i> , 2016, 6, 25258.	1.6	58
70	Spectral domain optical coherence tomography imaging with an integrated optics spectrometer. <i>Optics Letters</i> , 2011, 36, 1293.	1.7	56
71	Twente Optical Perfusion Camera: system overview and performance for video rate laser Doppler perfusion imaging. <i>Optics Express</i> , 2009, 17, 3211.	1.7	55
72	Localized measurement of longitudinal and transverse flow velocities in colloidal suspensions using optical coherence tomography. <i>Physical Review E</i> , 2013, 88, 042312.	0.8	55

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73	Validation of quantitative attenuation and backscattering coefficient measurements by optical coherence tomography in the concentration-dependent and multiple scattering regime. <i>Journal of Biomedical Optics</i> , 2015, 20, 121314.	1.4	55
74	Multiple and dependent scattering effects in Doppler optical coherence tomography. <i>Optics Express</i> , 2010, 18, 3883.	1.7	54
75	Imaging Tumor Vascularization for Detection and Diagnosis of Breast Cancer. <i>Technology in Cancer Research and Treatment</i> , 2011, 10, 607-623.	0.8	53
76	Photoacoustic imaging of blood vessels with a double-ring sensor featuring a narrow angular aperture. <i>Journal of Biomedical Optics</i> , 2004, 9, 1327.	1.4	52
77	Quantitative optical coherence tomography of arterial wall components. <i>Lasers in Medical Science</i> , 2005, 20, 45-51.	1.0	52
78	Are quantitative attenuation measurements of blood by optical coherence tomography feasible?. <i>Optics Letters</i> , 2009, 34, 1435.	1.7	52
79	Detection of buried Barrett's glands after radiofrequency ablation with volumetric laser endomicroscopy. <i>Gastrointestinal Endoscopy</i> , 2016, 83, 80-88.	0.5	52
80	Integrated system for combined Raman spectroscopy and spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 011007.	1.4	51
81	Dependent and multiple scattering in transmission and backscattering optical coherence tomography. <i>Optics Express</i> , 2013, 21, 29145.	1.7	51
82	Oxidation Monitoring by Fluorescence Spectroscopy Reveals the Age of Fingermarks. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6272-6275.	7.2	51
83	Parametric imaging of attenuation by optical coherence tomography: review of models, methods, and clinical translation. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	51
84	Optical Diagnostics for Upper Urinary Tract Urothelial Cancer: Technology, Thresholds, and Clinical Applications. <i>Journal of Endourology</i> , 2015, 29, 113-123.	1.1	50
85	Poly(vinyl alcohol) gels as photoacoustic breast phantoms revisited. <i>Journal of Biomedical Optics</i> , 2011, 16, 075002.	1.4	49
86	Refractive index to evaluate staining specificity of extracellular vesicles by flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1643671.	5.5	48
87	Deriving Extracellular Vesicle Size From Scatter Intensities Measured by Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2018, 86, e43.	3.7	47
88	Toward Spectral-Domain Optical Coherence Tomography on a Chip. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1223-1233.	1.9	45
89	First experiences of photoacoustic imaging for detection of melanoma metastases in resected human lymph nodes. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 541-549.	1.1	45
90	Initial results of imaging melanoma metastasis in resected human lymph nodes using photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 096021.	1.4	44

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91	Integrated-optics-based swept-source optical coherence tomography. <i>Optics Letters</i> , 2012, 37, 4820.	1.7	44
92	Intraoperative evaluation of perfusion in free flap surgery: A systematic review and meta-analysis. <i>Microsurgery</i> , 2018, 38, 804-818.	0.6	44
93	Hollow organosilica beads as reference particles for optical detection of extracellular vesicles. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 1646-1655.	1.9	44
94	Advanced Diagnostics in Renal Mass Using Optical Coherence Tomography: A Preliminary Report. <i>Journal of Endourology</i> , 2011, 25, 311-315.	1.1	43
95	Ultra-compact silicon photonic integrated interferometer for swept-source optical coherence tomography. <i>Optics Letters</i> , 2014, 39, 5228.	1.7	43
96	Techniques that acquire donor profiling information from fingermarks – A review. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016, 56, 143-154.	1.3	43
97	Path-Length-Resolved Diffusive Particle Dynamics in Spectral-Domain Optical Coherence Tomography. <i>Physical Review Letters</i> , 2010, 105, 198302.	2.9	42
98	An optimized ultrasound detector for photoacoustic breast tomography. <i>Medical Physics</i> , 2013, 40, 032901.	1.6	41
99	Optical techniques for perfusion monitoring of the gastric tube after esophagectomy: a review of technologies and thresholds. <i>Ecological Management and Restoration</i> , 2018, 31, .	0.2	41
100	Excimer laser induced bubble: Dimensions, theory, and implications for laser angioplasty. , 1996, 18, 381-390.		40
101	Optical biopsy of epithelial cancers by optical coherence tomography (OCT). <i>Lasers in Medical Science</i> , 2013, 29, 1297-305.	1.0	40
102	Optical properties of neonatal skin measured in vivo as a function of age and skin pigmentation. <i>Journal of Biomedical Optics</i> , 2011, 16, 097003.	1.4	38
103	Irreversible electroporation of the porcine kidney: Temperature development and distribution. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2015, 33, 168.e1-168.e7.	0.8	38
104	Optical Coherence Tomography as a Tool for In-Vivo Staging and Grading of Upper Urinary Tract Urothelial Carcinoma: A Study of Diagnostic Accuracy. <i>Journal of Urology</i> , 2016, 196, 1749-1755.	0.2	38
105	Pilot feasibility study of in vivo intraoperative quantitative optical coherence tomography of human brain tissue during glioma resection. <i>Journal of Biophotonics</i> , 2019, 12, e201900037.	1.1	38
106	Partial vaporization model for pulsed mid-infrared laser ablation of water. <i>Journal of Applied Physics</i> , 1995, 78, 564-571.	1.1	37
107	Centrifugation affects the purity of liquid biopsy-based tumor biomarkers. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 1207-1212.	1.1	37
108	Label-free identification and chemical characterisation of single extracellular vesicles and lipoproteins by synchronous Rayleigh and Raman scattering. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1730134.	5.5	37

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109	Macular pigment optical density measurements: evaluation of a device using heterochromatic flicker photometry. <i>Eye</i> , 2011, 25, 105-112.	1.1	36
110	Design and evaluation of a laboratory prototype system for 3D photoacoustic full breast tomography. <i>Biomedical Optics Express</i> , 2013, 4, 2555.	1.5	36
111	Excimer laser ablation of soft tissue: a study of the content of rapidly expanding and collapsing bubbles. <i>IEEE Journal of Quantum Electronics</i> , 1994, 30, 1339-1345.	1.0	35
112	Optical coherence tomography in vulvar intraepithelial neoplasia. <i>Journal of Biomedical Optics</i> , 2012, 17, 116022.	1.4	35
113	Irreversible electroporation: Just another form of thermal therapy?. <i>Prostate</i> , 2015, 75, 332-335.	1.2	34
114	OCT Amplitude and Speckle Statistics of Discrete Random Media. <i>Scientific Reports</i> , 2017, 7, 14873.	1.6	34
115	Automated Detection and Grading of Non-Muscle-Invasive Urothelial Cell Carcinoma of the Bladder. <i>American Journal of Pathology</i> , 2020, 190, 1483-1490.	1.9	34
116	Comparative optical coherence tomography imaging of human esophagus: How accurate is localization of the muscularis mucosae?. <i>Gastrointestinal Endoscopy</i> , 2002, 56, 852-857.	0.5	34
117	Comparative optical coherence tomography imaging of human esophagus: How accurate is localization of the muscularis mucosae?. <i>Gastrointestinal Endoscopy</i> , 2002, 56, 852-857.	0.5	33
118	Photoacoustic imaging of portwine stains. <i>Lasers in Surgery and Medicine</i> , 2008, 40, 178-182.	1.1	33
119	Quantitative comparison of analysis methods for spectroscopic optical coherence tomography. <i>Biomedical Optics Express</i> , 2013, 4, 2570.	1.5	33
120	Quantitative measurements of absorption spectra in scattering media by low-coherence spectroscopy. <i>Optics Letters</i> , 2009, 34, 3746.	1.7	32
121	Measurements of wavelength dependent scattering and backscattering coefficients by low-coherence spectroscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 030503.	1.4	32
122	Simultaneous and localized measurement of diffusion and flow using optical coherence tomography. <i>Optics Express</i> , 2015, 23, 3448.	1.7	32
123	Speckles in laser Doppler perfusion imaging. <i>Optics Letters</i> , 2006, 31, 468.	1.7	31
124	Temperature-dependent optical properties of individual vascular wall components measured by optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2006, 11, 041120.	1.4	31
125	Surface Plasmon Resonance is an Analytically Sensitive Method for Antigen Profiling of Extracellular Vesicles. <i>Clinical Chemistry</i> , 2017, 63, 1633-1641.	1.5	31
126	Quantitative laser speckle flowmetry of the in vivo microcirculation using sidestream dark field microscopy. <i>Biomedical Optics Express</i> , 2013, 4, 2347.	1.5	30



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127	Dual excitation wavelength system for combined fingerprint and high wavenumber Raman spectroscopy. <i>Analyst, The</i> , 2018, 143, 6049-6060.	1.7	30
128	Prostate cancer diagnosis: the feasibility of needle-based optical coherence tomography. <i>Journal of Medical Imaging</i> , 2015, 2, 037501.	0.8	28
129	Path-length-resolved measurements of multiple scattered photons in static and dynamic turbid media using phase-modulated low-coherence interferometry. <i>Journal of Biomedical Optics</i> , 2007, 12, 024020.	1.4	27
130	Infrared Imaging of the Crime Scene: Possibilities and Pitfalls. <i>Journal of Forensic Sciences</i> , 2013, 58, 1156-1162.	0.9	27
131	Differential Pathlength Spectroscopy for the Quantitation of Optical Properties of Gold Nanoparticles. <i>ACS Nano</i> , 2010, 4, 4081-4089.	7.3	26
132	Validation of Confocal Laser Endomicroscopy Features of Bladder Cancer: The Next Step Towards Real-time Histologic Grading. <i>European Urology Focus</i> , 2020, 6, 81-87.	1.6	26
133	Quantification of optical Doppler broadening and optical path lengths of multiply scattered light by phase modulated low coherence interferometry. <i>Optics Express</i> , 2007, 15, 9157.	1.7	25
134	Identification and detection of protein markers to differentiate between forensically relevant body fluids. <i>Forensic Science International</i> , 2018, 290, 196-206.	1.3	25
135	Simultaneous labeling of multiple components in a single fingerprint. <i>Forensic Science International</i> , 2013, 232, 173-179.	1.3	24
136	Prostate cancer diagnosis by optical coherence tomography: First results from a needle based optical platform for tissue sampling. <i>Journal of Biophotonics</i> , 2016, 9, 490-498.	1.1	24
137	Some Laser-Tissue Interactions in 308 nm Excimer Laser Coronary Angioplasty. <i>Journal of Interventional Cardiology</i> , 1990, 3, 231-241.	0.5	23
138	Pulsed Laser Ablation of Soft Tissue. , 1995, , 709-763.		23
139	Diameter measurement from images of fluorescent cylinders embedded in tissue. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 589-596.	1.6	23
140	Senile retinoschisis versus retinal detachment, the additional value of peripheral retinal OCT scans (SL SCANâ€1, Topcon). <i>Acta Ophthalmologica</i> , 2014, 92, 221-227.	0.6	23
141	The efficacy and safety of irreversible electroporation for the ablation of renal masses: a prospective, human, in-vivo study protocol. <i>BMC Cancer</i> , 2015, 15, 165.	1.1	23
142	Visualization of Latent Blood Stains Using Visible Reflectance Hyperspectral Imaging and Chemometrics. <i>Journal of Forensic Sciences</i> , 2015, 60, S188-92.	0.9	23
143	On the autofluorescence of aged fingerprints. <i>Forensic Science International</i> , 2016, 258, 19-25.	1.3	23
144	Simple and robust calibration procedure for k-linearization and dispersion compensation in optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	23

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145	3D finite compartment modeling of formation and healing of bruises may identify methods for age determination of bruises. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 911-921.	1.6	22
146	Volumetric laser endomicroscopy in Barrett's esophagus: a feasibility study on histological correlation. <i>Ecological Management and Restoration</i> , 2016, 29, 505-512.	0.2	22
147	Deep Learning-based Recurrence Prediction in Patients with Non-muscle-invasive Bladder Cancer. <i>European Urology Focus</i> , 2022, 8, 165-172.	1.6	22
148	Optical coherence tomography of the Ex-PRESS miniature glaucoma implant. <i>Lasers in Medical Science</i> , 2005, 20, 41-44.	1.0	21
149	In vivo low-coherence spectroscopic measurements of local hemoglobin absorption spectra in human skin. <i>Journal of Biomedical Optics</i> , 2011, 16, 100504.	1.4	21
150	The Compatibility of Fingerprint Visualization Techniques with Immunolabeling. <i>Journal of Forensic Sciences</i> , 2013, 58, 999-1002.	0.9	21
151	Comparison of optical coherence tomography and histopathology in quantitative assessment of goat talus articular cartilage. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 86, 257-263.	1.2	21
152	Refractive index measurement using single fiber reflectance spectroscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201900019.	1.1	21
153	Synchronized Rayleigh and Raman scattering for the characterization of single optically trapped extracellular vesicles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102109.	1.7	21
154	Reflection mode photoacoustic measurement of speed of sound. <i>Optics Express</i> , 2007, 15, 3291.	1.7	20
155	Measurement of biofilm growth and local hydrodynamics using optical coherence tomography. <i>Biomedical Optics Express</i> , 2016, 7, 3508.	1.5	20
156	Cancer-ID: Toward Identification of Cancer by Tumor-Derived Extracellular Vesicles in Blood. <i>Frontiers in Oncology</i> , 2020, 10, 608.	1.3	20
157	Comparison of retinal nerve fiber layer thickness measurements by spectral-domain optical coherence tomography systems using a phantom eye model. <i>Journal of Biophotonics</i> , 2013, 6, 314-320.	1.1	19
158	Effects of absorption on coherence domain path length resolved dynamic light scattering in the diffuse regime. <i>Applied Physics Letters</i> , 2002, 81, 595-597.	1.5	18
159	Influence of tissue optical properties on laser Doppler perfusion imaging, accounting for photon penetration depth and the laser speckle phenomenon. <i>Journal of Biomedical Optics</i> , 2008, 13, 024001.	1.4	18
160	Feasibility of noncontact piezoelectric detection of photoacoustic signals in tissue-mimicking phantoms. <i>Journal of Biomedical Optics</i> , 2010, 15, 055011.	1.4	18
161	Acousto-optic-assisted diffuse optical tomography. <i>Optics Letters</i> , 2011, 36, 1539.	1.7	18
162	Three-dimensional histopathological reconstruction of bladder tumours. <i>Diagnostic Pathology</i> , 2019, 14, 25.	0.9	18

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163	A Systematic Approach to Improve Scatter Sensitivity of a Flow Cytometer for Detection of Extracellular Vesicles. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 582-591.	1.1	18
164	Irreversible Electroporation for the Ablation of Renal Cell Carcinoma: A Prospective, Human, In Vivo Study Protocol (IDEAL Phase 2b). <i>JMIR Research Protocols</i> , 2017, 6, e21.	0.5	18
165	In-situ imaging of articular cartilage of the first carpometacarpal joint using co-registered optical coherence tomography and computed tomography. <i>Journal of Biomedical Optics</i> , 2012, 17, 060501.	1.4	17
166	Modeling subdiffusive light scattering by incorporating the tissue phase function and detector numerical aperture. <i>Journal of Biomedical Optics</i> , 2017, 22, 050501.	1.4	17
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344	Adaptive STFT filtering to increase SNR in Color Doppler Optical Coherence Tomography. , 1999, , .		0
345	Improved forward scatter detection of a flow cytometer for detection of extracellular vesicles. , 2019, , .		0
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347	Limitations of Dutch Growth Research Foundation Commercial Software Weight Velocity for Age Standard Deviation Score. American Journal of Case Reports, 2020, 21, e925551.	0.3	0
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