Ton G Van Leeuwen

List of Publications by Citations

313 papers	11,309 citations	55 h-index	95 g-index
356 ext. papers	13,187 ext. citations	4 avg, IF	6.25 L-index

#	Paper	IF	Citations
313	Particle size distribution of exosomes and microvesicles determined by transmission electron microscopy, flow cytometry, nanoparticle tracking analysis, and resistive pulse sensing. *Journal of Thrombosis and Haemostasis*, **2014**, 12, 1182-92	15.4	548
312	Methodological Guidelines to Study Extracellular Vesicles. *Circulation Research*, **2017**, 120, 1632-1648	15.7	490
311	Optical and non-optical methods for detection and characterization of microparticles and exosomes. *Journal of Thrombosis and Haemostasis*, **2010**, 8, 2596-607	15.4	382
310	Single vs. swarm detection of microparticles and exosomes by flow cytometry. *Journal of Thrombosis and Haemostasis*, **2012**, 10, 919-30	15.4	281
309	Recent developments in optical coherence tomography for imaging the retina. *Progress in Retinal and Eye Research*, **2007**, 26, 57-77	20.5	256
308	Review of laser speckle contrast techniques for visualizing tissue perfusion. *Lasers in Medical Science*, **2009**, 24, 639-51	3.1	224
307	A literature review and novel theoretical approach on the optical properties of whole blood. *Lasers in Medical Science*, **2014**, 29, 453-79	3.1	216
306	Initial results of in vivo non-invasive cancer imaging in the human breast using near-infrared photoacoustics. *Optics Express*, **2007**, 15, 12277-85	3.3	210
305	Quantitative measurement of attenuation coefficients of weakly scattering media using optical coherence tomography. *Optics Express*, **2004**, 12, 4353-65	3.3	205
304	Review of methodological developments in laser Doppler flowmetry. *Lasers in Medical Science*, **2009**, 24, 269-83	3.1	172
303	Hyperspectral imaging for non-contact analysis of forensic traces. *Forensic Science International*, **2012**, 223, 28-39	2.6	166
302	Serial noninvasive photoacoustic imaging of neovascularization in tumor angiogenesis. *Optics Express*, **2005**, 13, 89-95	3.3	166
301	Oxygen saturation-dependent absorption and scattering of blood. *Physical Review Letters*, **2004**, 93, 028102	7.4	162
300	Temperature dependence of the absorption coefficient of water for midinfrared laser radiation. *Lasers in Surgery and Medicine*, **1994**, 14, 258-68	3.6	158
299	The Twente Photoacoustic Mammoscope: system overview and performance. *Physics in Medicine and Biology*, **2005**, 50, 2543-57	3.8	151
298	Visualizing breast cancer using the Twente photoacoustic mammoscope: what do we learn from twelve new patient measurements?. *Optics Express*, **2012**, 20, 11582-97	3.3	147
297	Intraluminal vapor bubble induced by excimer laser pulse causes microsecond arterial dilation and invagination leading to extensive wall damage in the rabbit. *Circulation*, **1993**, 87, 1258-63	16.7	136

296	Refractive index determination of nanoparticles in suspension using nanoparticle tracking analysis. *Nano Letters*, **2014**, 14, 6195-201	11.5	123
295	Mitochondrial PO2 measured by delayed fluorescence of endogenous protoporphyrin IX. *Nature Methods*, **2006**, 3, 939-45	21.6	123
294	Localized measurement of optical attenuation coefficients of atherosclerotic plaque constituents by quantitative optical coherence tomography. *IEEE Transactions on Medical Imaging*, **2005**, 24, 1369-76	11.7	122
293	In vitro toxicity studies of polymer-coated gold nanorods. *Nanotechnology*, **2010**, 21, 145101	3.4	119
292	Light interactions with gold nanorods and cells: implications for photothermal nanotherapeutics. *Nano Letters*, **2011**, 11, 1887-94	11.5	118
291	Blood clearance and tissue distribution of PEGylated and non-PEGylated gold nanorods after intravenous administration in rats. *Nanomedicine*, **2011**, 6, 339-49	5.6	118
290	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, 1610-8	15.1	118
289	Light absorption of (oxy-)hemoglobin assessed by spectroscopic optical coherence tomography. *Optics Letters*, **2003**, 28, 1436-8	3	115
288	In vivo photoacoustic imaging of blood vessels with a pulsed laser diode. *Lasers in Medical Science*, **2006**, 21, 134-9	3.1	113
287	Toward assessment of blood oxygen saturation by spectroscopic optical coherence tomography. *Optics Letters*, **2005**, 30, 1015-7	3	107
286	Real-time in vivo photoacoustic and ultrasound imaging. *Journal of Biomedical Optics*, **2008**, 13, 050510	3.5	105
285	Noncontact tissue ablation by holmium:YSGG laser pulses in blood. *Lasers in Surgery and Medicine*, **1991**, 11, 26-34	3.6	104
284	Reproducible extracellular vesicle size and concentration determination with tunable resistive pulse sensing. *Journal of Extracellular Vesicles*, **2014**, 3, 25922	16.4	100
283	Optical phantoms of varying geometry based on thin building blocks with controlled optical properties. *Journal of Biomedical Optics*, **2010**, 15, 025001	3.5	99
282	A new generation of optical diagnostics for bladder cancer: technology, diagnostic accuracy, and future applications. *European Urology*, **2009**, 56, 287-96	10.2	97
281	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	3.8	95
280	Photoacoustic image patterns of breast carcinoma and comparisons with Magnetic Resonance Imaging and vascular stained histopathology. *Scientific Reports*, **2015**, 5, 11778	4.9	92
279	Standardization of extracellular vesicle measurements by flow cytometry through vesicle diameter approximation. *Journal of Thrombosis and Haemostasis*, **2018**, 16, 1236-1245	15.4	90

278	Gold nanorods as molecular contrast agents in photoacoustic imaging: the promises and the caveats. *Contrast Media and Molecular Imaging*, **2011**, 6, 389-400	3.2	86
277	Synthesis and bioconjugation of gold nanoparticles as potential molecular probes for light-based imaging techniques. *International Journal of Biomedical Imaging*, **2007**, 2007, 29817	5.2	85
276	Speed-of-sound compensated photoacoustic tomography for accurate imaging. *Medical Physics*, **2012**, 39, 7262-71	4.4	83
275	Forensic quest for age determination of bloodstains. *Forensic Science International*, **2012**, 216, 1-11	2.6	83
274	Combined Raman spectroscopy and optical coherence tomography device for tissue characterization. *Optics Letters*, **2008**, 33, 1135-7	3	82
273	Photoacoustic mammography laboratory prototype: imaging of breast tissue phantoms. *Journal of Biomedical Optics*, **2004**, 9, 1172-81	3.5	80
272	Velocity-estimation accuracy and frame-rate limitations in color Doppler optical coherence tomography. *Optics Letters*, **1998**, 23, 1057-9	3	79
271	Age estimation of blood stains by hemoglobin derivative determination using reflectance spectroscopy. *Forensic Science International*, **2011**, 206, 166-71	2.6	76
270	Hyperspectral imaging for the age estimation of blood stains at the crime scene. *Forensic Science International*, **2012**, 223, 72-7	2.6	75
269	Photoacoustic Imaging of the Breast Using the Twente Photoacoustic Mammoscope: Present Status and Future Perspectives. *IEEE Journal of Selected Topics in Quantum Electronics*, **2010**, 16, 730-739	3.8	72
268	Discrete dipole approximation simulations of gold nanorod optical properties: Choice of input parameters and comparison with experiment. *Journal of Applied Physics*, **2009**, 105, 102032	2.5	69
267	Quantitative comparison of the OCT imaging depth at 1300 nm and 1600 nm. *Biomedical Optics Express*, **2010**, 1, 176-185	3.5	66
266	Iodide impurities in hexadecyltrimethylammonium bromide (CTAB) products: lot-lot variations and influence on gold nanorod synthesis. *Langmuir*, **2010**, 26, 5050-5	4	65
265	Passive element enriched photoacoustic computed tomography (PER PACT) for simultaneous imaging of acoustic propagation properties and light absorption. *Optics Express*, **2011**, 19, 2093-104	3.3	64
264	Absolute sizing and label-free identification of extracellular vesicles by flow cytometry. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 801-810	6	62
263	Identification and age estimation of blood stains on colored backgrounds by near infrared spectroscopy. *Forensic Science International*, **2012**, 220, 239-44	2.6	61
262	Imaging of tumor vasculature using Twente photoacoustic systems. *Journal of Biophotonics*, **2009**, 2, 701-17	3.1	61
261	Quantitative measurement of attenuation coefficients of bladder biopsies using optical coherence tomography for grading urothelial carcinoma of the bladder. *Journal of Biomedical Optics*, **2010**, 15, 066013	3.5	57

260	Comparison of Generic Fluorescent Markers for Detection of Extracellular Vesicles by Flow Cytometry. *Clinical Chemistry*, **2018**, 64, 680-689	5.5	56
259	Volumetric in vivo visualization of upper urinary tract tumors using optical coherence tomography: a pilot study. *Journal of Urology*, **2013**, 190, 2236-42	2.5	55
258	Photoacoustic determination of blood vessel diameter. *Physics in Medicine and Biology*, **2004**, 49, 4745-56	3.8	54
257	Deep learning for automatic Gleason pattern classification for grade group determination of prostate biopsies. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2019**, 475, 77-83	5.1	53
256	Differentiation between normal renal tissue and renal tumours using functional optical coherence tomography: a phase I in vivo human study. *BJU International*, **2012**, 110, E415-20	5.6	53
255	Quantitative determination of localized tissue oxygen concentration in vivo by two-photon excitation phosphorescence lifetime measurements. *Journal of Applied Physiology*, **2004**, 97, 1962-9	3.7	53
254	Evaluation of superparamagnetic iron oxide nanoparticles (Endorem) as a photoacoustic contrast agent for intra-operative nodal staging. *Contrast Media and Molecular Imaging*, **2013**, 8, 83-91	3.2	52
253	Heartbeat-induced axial motion artifacts in optical coherence tomography measurements of the retina **2011**, 52, 3908-13		51
252	High-flow-velocity and shear-rate imaging by use of color Doppler optical coherence tomography. *Optics Letters*, **1999**, 24, 1584-6	3	50
251	A clinical instrument for combined raman spectroscopy-optical coherence tomography of skin cancers. *Lasers in Surgery and Medicine*, **2011**, 43, 143-51	3.6	49
250	Multiple and dependent scattering effects in Doppler optical coherence tomography. *Optics Express*, **2010**, 18, 3883-92	3.3	48
249	Apoptosis- and necrosis-induced changes in light attenuation measured by optical coherence tomography. *Lasers in Medical Science*, **2010**, 25, 259-67	3.1	48
248	Concomitant speed-of-sound tomography in photoacoustic imaging. *Applied Physics Letters*, **2007**, 91, 131911	3.4	48
247	Determination of the scattering anisotropy with optical coherence tomography. *Optics Express*, **2011**, 19, 6131-40	3.3	47
246	Quantitative optical coherence tomography of arterial wall components. *Lasers in Medical Science*, **2005**, 20, 45-51	3.1	47
245	Localized measurement of longitudinal and transverse flow velocities in colloidal suspensions using optical coherence tomography. *Physical Review E*, **2013**, 88, 042312	2.4	46
244	Imaging tumor vascularization for detection and diagnosis of breast cancer. *Technology in Cancer Research and Treatment*, **2011**, 10, 607-23	2.7	46
243	Validation of quantitative attenuation and backscattering coefficient measurements by optical coherence tomography in the concentration-dependent and multiple scattering regime. *Journal of Biomedical Optics*, **2015**, 20, 121314	3.5	45

242	Biphasic oxidation of oxy-hemoglobin in bloodstains. *PLoS ONE*, **2011**, 6, e21845	3.7	45
241	Twente Optical Perfusion Camera: system overview and performance for video rate laser Doppler perfusion imaging. *Optics Express*, **2009**, 17, 3211-25	3.3	45
240	Detection of buried Barrett's glands after radiofrequency ablation with volumetric laser endomicroscopy. *Gastrointestinal Endoscopy*, **2016**, 83, 80-8	5.2	44
239	Limitations and opportunities of transcutaneous bilirubin measurements. *Pediatrics*, **2012**, 129, 689-94	7.4	44
238	Integrated system for combined Raman spectroscopy-spectral domain optical coherence tomography. *Journal of Biomedical Optics*, **2011**, 16, 011007	3.5	43
237	Are quantitative attenuation measurements of blood by optical coherence tomography feasible?. *Optics Letters*, **2009**, 34, 1435-7	3	43
236	Oxidation monitoring by fluorescence spectroscopy reveals the age of fingermarks. *Angewandte Chemie - International Edition*, **2014**, 53, 6272-5	16.4	41
235	Quantitative blood flow velocity imaging using laser speckle flowmetry. *Scientific Reports*, **2016**, 6, 25258	4.9	40
234	Techniques that acquire donor profiling information from fingermarks - A review. *Science and Justice - Journal of the Forensic Science Society*, **2016**, 56, 143-54	2	39
233	Photoacoustic imaging of blood vessels with a double-ring sensor featuring a narrow angular aperture. *Journal of Biomedical Optics*, **2004**, 9, 1327-35	3.5	39
232	Dependent and multiple scattering in transmission and backscattering optical coherence tomography. *Optics Express*, **2013**, 21, 29145-56	3.3	38
231	First experiences of photoacoustic imaging for detection of melanoma metastases in resected human lymph nodes. *Lasers in Surgery and Medicine*, **2012**, 44, 541-9	3.6	37
230	Poly(vinyl alcohol) gels as photoacoustic breast phantoms revisited. *Journal of Biomedical Optics*, **2011**, 16, 075002	3.5	37
229	An optimized ultrasound detector for photoacoustic breast tomography. *Medical Physics*, **2013**, 40, 032901	4.4	36
228	Ultra-compact silicon photonic integrated interferometer for swept-source optical coherence tomography. *Optics Letters*, **2014**, 39, 5228-31	3	35
227	Spectral domain optical coherence tomography imaging with an integrated optics spectrometer. *Optics Letters*, **2011**, 36, 1293-5	3	35
226	Advanced diagnostics in renal mass using optical coherence tomography: a preliminary report. *Journal of Endourology*, **2011**, 25, 311-5	2.7	35
225	Integrated-optics-based swept-source optical coherence tomography. *Optics Letters*, **2012**, 37, 4820-2	3	35

224	Hollow organosilica beads as reference particles for optical detection of extracellular vesicles. *Journal of Thrombosis and Haemostasis*, **2018**, 16, 1646	15.4	34
223	Optical biopsy of epithelial cancers by optical coherence tomography (OCT). *Lasers in Medical Science*, **2014**, 29, 1297-305	3.1	34
222	Initial results of imaging melanoma metastasis in resected human lymph nodes using photoacoustic computed tomography. *Journal of Biomedical Optics*, **2011**, 16, 096021	3.5	34
221	Irreversible electroporation of the porcine kidney: Temperature development and distribution. *Urologic Oncology: Seminars and Original Investigations*, **2015**, 33, 168.e1-7	2.8	33
220	Optical diagnostics for upper urinary tract urothelial cancer: technology, thresholds, and clinical applications. *Journal of Endourology*, **2015**, 29, 113-23	2.7	33
219	Toward Spectral-Domain Optical Coherence Tomography on a Chip. *IEEE Journal of Selected Topics in Quantum Electronics*, **2012**, 18, 1223-1233	3.8	33
218	Path-length-resolved diffusive particle dynamics in spectral-domain optical coherence tomography. *Physical Review Letters*, **2010**, 105, 198302	7.4	33
217	Excimer laser induced bubble: dimensions, theory, and implications for laser angioplasty. *Lasers in Surgery and Medicine*, **1996**, 18, 381-90	3.6	33
216	Design and evaluation of a laboratory prototype system for 3D photoacoustic full breast tomography. *Biomedical Optics Express*, **2013**, 4, 2555-69	3.5	31
215	Optical coherence tomography in vulvar intraepithelial neoplasia. *Journal of Biomedical Optics*, **2012**, 17, 116022	3.5	31
214	Excimer laser ablation of soft tissue: a study of the content of rapidly expanding and collapsing bubbles. *IEEE Journal of Quantum Electronics*, **1994**, 30, 1339-1345	2	30
213	Comparative optical coherence tomography imaging of human esophagus: how accurate is localization of the muscularis mucosae?. *Gastrointestinal Endoscopy*, **2002**, 56, 852-7	5.2	30
212	Measurements of wavelength dependent scattering and backscattering coefficients by low-coherence spectroscopy. *Journal of Biomedical Optics*, **2011**, 16, 030503	3.5	29
211	Partial vaporization model for pulsed mid-infrared laser ablation of water. *Journal of Applied Physics*, **1995**, 78, 564-571	2.5	29
210	Deriving Extracellular Vesicle Size From Scatter Intensities Measured by Flow Cytometry. *Current Protocols in Cytometry*, **2018**, 86, e43	3.6	29
209	Refractive index to evaluate staining specificity of extracellular vesicles by flow cytometry. *Journal of Extracellular Vesicles*, **2019**, 8, 1643671	16.4	28
208	Macular pigment optical density measurements: evaluation of a device using heterochromatic flicker photometry. *Eye*, **2011**, 25, 105-12	4.4	27
207	Photoacoustic imaging of port-wine stains. *Lasers in Surgery and Medicine*, **2008**, 40, 178-82	3.6	27

206	Optical Coherence Tomography as a Tool for In Vivo Staging and Grading of Upper Urinary Tract Urothelial Carcinoma: A Study of Diagnostic Accuracy. *Journal of Urology*, **2016**, 196, 1749-1755	2.5	26
205	Quantitative comparison of analysis methods for spectroscopic optical coherence tomography. *Biomedical Optics Express*, **2013**, 4, 2570-84	3.5	26
204	Quantitative measurements of absorption spectra in scattering media by low-coherence spectroscopy. *Optics Letters*, **2009**, 34, 3746-8	3	26
203	Quantitative laser speckle flowmetry of the in vivo microcirculation using sidestream dark field microscopy. *Biomedical Optics Express*, **2013**, 4, 2347-61	3.5	25
202	Differential pathlength spectroscopy for the quantitation of optical properties of gold nanoparticles. *ACS Nano*, **2010**, 4, 4081-9	16.7	25
201	OCT Amplitude and Speckle Statistics of Discrete Random Media. *Scientific Reports*, **2017**, 7, 14873	4.9	24
200	Irreversible electroporation: just another form of thermal therapy?. *Prostate*, **2015**, 75, 332-5	4.2	24
199	Optical properties of neonatal skin measured in vivo as a function of age and skin pigmentation. *Journal of Biomedical Optics*, **2011**, 16, 097003	3.5	24
198	Comparative optical coherence tomography imaging of human esophagus: How accurate is localization of the muscularis mucosae?. *Gastrointestinal Endoscopy*, **2002**, 56, 852-857	5.2	24
197	Centrifugation affects the purity of liquid biopsy-based tumor biomarkers. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2018**, 93, 1207-1212	4.6	24
196	Simultaneous labeling of multiple components in a single fingermark. *Forensic Science International*, **2013**, 232, 173-9	2.6	23
195	Surface Plasmon Resonance is an Analytically Sensitive Method for Antigen Profiling of Extracellular Vesicles. *Clinical Chemistry*, **2017**, 63, 1633-1641	5.5	23
194	Temperature-dependent optical properties of individual vascular wall components measured by optical coherence tomography. *Journal of Biomedical Optics*, **2006**, 11, 041120	3.5	23
193	The efficacy and safety of irreversible electroporation for the ablation of renal masses: a prospective, human, in-vivo study protocol. *BMC Cancer*, **2015**, 15, 165	4.8	22
192	Simultaneous and localized measurement of diffusion and flow using optical coherence tomography. *Optics Express*, **2015**, 23, 3448-59	3.3	22
191	Optical techniques for perfusion monitoring of the gastric tube after esophagectomy: a review of technologies and thresholds. *Ecological Management and Restoration*, **2018**, 31,	3	22
190	Prostate cancer diagnosis: the feasibility of needle-based optical coherence tomography. *Journal of Medical Imaging*, **2015**, 2, 037501	2.6	22
189	In vivo low-coherence spectroscopic measurements of local hemoglobin absorption spectra in human skin. *Journal of Biomedical Optics*, **2011**, 16, 100504	3.5	21

188	Quantification of optical Doppler broadening and optical path lengths of multiply scattered light by phase modulated low coherence interferometry. *Optics Express*, **2007**, 15, 9157-65	3.3	21
187	Speckles in laser Doppler perfusion imaging. *Optics Letters*, **2006**, 31, 468-70	3	21
186	Some Laser-Tissue Interactions in 308 nm Excimer Laser Coronary Angioplasty. *Journal of Interventional Cardiology*, **1990**, 3, 231-241	1.8	21
185	Infrared imaging of the crime scene: possibilities and pitfalls. *Journal of Forensic Sciences*, **2013**, 58, 1156-62	1.8	20
184	The compatibility of fingerprint visualization techniques with immunolabeling. *Journal of Forensic Sciences*, **2013**, 58, 999-1002	1.8	20
183	Diameter measurement from images of fluorescent cylinders embedded in tissue. *Medical and Biological Engineering and Computing*, **2008**, 46, 589-96	3.1	20
182	Path-length-resolved measurements of multiple scattered photons in static and dynamic turbid media using phase-modulated low-coherence interferometry. *Journal of Biomedical Optics*, **2007**, 12, 024020	3.5	20
181	Prostate cancer diagnosis by optical coherence tomography: First results from a needle based optical platform for tissue sampling. *Journal of Biophotonics*, **2016**, 9, 490-8	3.1	20
180	Optical coherence tomography of the Ex-PRESS miniature glaucoma implant. *Lasers in Medical Science*, **2005**, 20, 41-4	3.1	19
179	Validation of Confocal Laser Endomicroscopy Features of Bladder Cancer: The Next Step Towards Real-time Histologic Grading. *European Urology Focus*, **2020**, 6, 81-87	5.1	19
178	Intraoperative evaluation of perfusion in free flap surgery: A systematic review and meta-analysis. *Microsurgery*, **2018**, 38, 804-818	2.1	18
177	Volumetric laser endomicroscopy in Barrett's esophagus: a feasibility study on histological correlation. *Ecological Management and Restoration*, **2016**, 29, 505-12	3	18
176	On the autofluorescence of aged fingermarks. *Forensic Science International*, **2016**, 258, 19-25	2.6	18
175	Senile retinoschisis versus retinal detachment, the additional value of peripheral retinal OCT scans (SL SCAN-1, Topcon). *Acta Ophthalmologica*, **2014**, 92, 221-7	3.7	18
174	Reflection mode photoacoustic measurement of speed of sound. *Optics Express*, **2007**, 15, 3291-300	3.3	18
173	Dual excitation wavelength system for combined fingerprint and high wavenumber Raman spectroscopy. *Analyst, The*, **2018**, 143, 6049-6060	5	18
172	Comparison of optical coherence tomography and histopathology in quantitative assessment of goat talus articular cartilage. *Monthly Notices of the Royal Astronomical Society: Letters*, **2015**, 86, 257-63	4.3	17
171	Visualization of latent blood stains using visible reflectance hyperspectral imaging and chemometrics. *Journal of Forensic Sciences*, **2015**, 60 Suppl 1, S188-92	1.8	17

170	In-situ imaging of articular cartilage of the first carpometacarpal joint using co-registered optical coherence tomography and computed tomography. *Journal of Biomedical Optics*, **2012**, 17, 060501	3.5	17
169	Label-free identification and chemical characterisation of single extracellular vesicles and lipoproteins by synchronous Rayleigh and Raman scattering. *Journal of Extracellular Vesicles*, **2020**, 9, 1730134	16.4	16
168	Pilot feasibility study of in vivo intraoperative quantitative optical coherence tomography of human brain tissue during glioma resection. *Journal of Biophotonics*, **2019**, 12, e201900037	3.1	16
167	Feasibility of noncontact piezoelectric detection of photoacoustic signals in tissue-mimicking phantoms. *Journal of Biomedical Optics*, **2010**, 15, 055011	3.5	16
166	Influence of tissue optical properties on laser Doppler perfusion imaging, accounting for photon penetration depth and the laser speckle phenomenon. *Journal of Biomedical Optics*, **2008**, 13, 024001	3.5	16
165	Pulsed Laser Ablation of Soft Tissue **1995**, 709-763		16
164	Parametric imaging of attenuation by optical coherence tomography: review of models, methods, and clinical translation. *Journal of Biomedical Optics*, **2020**, 25, 1-34	3.5	16
163	Irreversible Electroporation for the Ablation of Renal Cell Carcinoma: A Prospective, Human, In Vivo Study Protocol (IDEAL Phase 2b). *JMIR Research Protocols*, **2017**, 6, e21	2	16
162	Measurement of biofilm growth and local hydrodynamics using optical coherence tomography. *Biomedical Optics Express*, **2016**, 7, 3508-3518	3.5	15
161	Acousto-optic-assisted diffuse optical tomography. *Optics Letters*, **2011**, 36, 1539-41	3	15
160	3D finite compartment modeling of formation and healing of bruises may identify methods for age determination of bruises. *Medical and Biological Engineering and Computing*, **2010**, 48, 911-21	3.1	15
159	Compensatory enlargement in coronary and femoral arteries is related to neither the extent of plaque-free vessel wall nor lesion eccentricity. A postmortem study. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 2617-21	9.4	15
158	Refractive index measurement using single fiber reflectance spectroscopy. *Journal of Biophotonics*, **2019**, 12, e201900019	3.1	14
157	Effects of absorption on coherence domain path length resolved dynamic light scattering in the diffuse regime. *Applied Physics Letters*, **2002**, 81, 595-597	3.4	14
156	Needle-based optical coherence tomography for the detection of prostate cancer: a visual and quantitative analysis in 20 patients. *Journal of Biomedical Optics*, **2018**, 23, 1-11	3.5	14
155	Immunolabeling of fingermarks left on forensic relevant surfaces, including thermal paper. *Analytical Methods*, **2014**, 6, 1051	3.2	13
154	Multiple passive element enriched photoacoustic computed tomography. *Optics Letters*, **2011**, 36, 2809-11	3	13
153	Can color inhomogeneity of bruises be used to establish their age?. *Journal of Biophotonics*, **2011**, 4, 759-67	3.1	13

152	Comparison of retinal nerve fiber layer thickness measurements by spectral-domain optical coherence tomography systems using a phantom eye model. *Journal of Biophotonics*, **2013**, 6, 314-20	3.1	12
151	Multiple scattering effects in Doppler optical coherence tomography of flowing blood. *Physics in Medicine and Biology*, **2012**, 57, 1907-17	3.8	12
150	Modeling subdiffusive light scattering by incorporating the tissue phase function and detector numerical aperture. *Journal of Biomedical Optics*, **2017**, 22, 50501	3.5	11
149	Identification and detection of protein markers to differentiate between forensically relevant body fluids. *Forensic Science International*, **2018**, 290, 196-206	2.6	11
148	Immunolabeling and the compatibility with a variety of fingermark development techniques. *Science and Justice - Journal of the Forensic Science Society*, **2014**, 54, 356-62	2	11
147	Functional optical coherence tomography of pigmented lesions. *Journal of the European Academy of Dermatology and Venereology*, **2015**, 29, 738-44	4.6	11
146	Raman and Fluorescence Spectral Imaging of Live Breast Cancer Cells Incubated with PEGylated Gold Nanorods. *Applied Spectroscopy*, **2012**, 66, 66-74	3.1	11
145	Spectral domain detection in low-coherence spectroscopy. *Biomedical Optics Express*, **2012**, 3, 2263-72	3.5	11
144	Synchronized Rayleigh and Raman scattering for the characterization of single optically trapped extracellular vesicles. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 24, 102109	6	11
143	Customized Tool for the Validation of Optical Coherence Tomography in Differentiation of Prostate Cancer. *Technology in Cancer Research and Treatment*, **2017**, 16, 57-65	2.7	10
142	Automated Detection and Grading of Non-Muscle-Invasive Urothelial Cell Carcinoma of the Bladder. *American Journal of Pathology*, **2020**, 190, 1483-1490	5.8	10
141	On-chip Mach-Zehnder interferometer for OCT systems. *Advanced Optical Technologies*, **2018**, 7, 103-106	0.9	10
140	Percutaneous Needle Based Optical Coherence Tomography for the Differentiation of Renal Masses: a Pilot Cohort. *Journal of Urology*, **2016**, 195, 1578-1585	2.5	10
139	The value of optical coherence tomography in determining surgical margins in squamous cell carcinoma of the vulva: a single-center prospective study. *International Journal of Gynecological Cancer*, **2015**, 25, 112-8	3.5	10
138	Scanning beyond the limits of standard OCT with a Fourier domain optical coherence tomography integrated into a slit lamp: the SL SCAN-1. *Eye*, **2011**, 25, 97-104	4.4	10
137	Fourier Domain Optical Coherence Tomography integrated into a slit lamp; a novel technique combining anterior and posterior segment OCT. *Eye*, **2010**, 24, 980-4	4.4	10
136	Doppler calibration method for Spectral Domain OCT spectrometers. *Journal of Biophotonics*, **2009**, 2, 407-15	3.1	10
135	Cell viability studies of PEG-thiol treated gold nanorods as optoacoustic contrast agents **2009**,		10

134	Saline flush during excimer laser angioplasty: short and long term effects in the rabbit femoral artery. *Lasers in Surgery and Medicine*, **1998**, 23, 128-40	3.6	10
133	Quantitative attenuation analysis for identification of early Barrett's neoplasia in volumetric laser endomicroscopy. *Journal of Biomedical Optics*, **2017**, 22, 86001	3.5	10
132	Applicability of quantitative optical imaging techniques for intraoperative perfusion diagnostics: a comparison of laser speckle contrast imaging, sidestream dark-field microscopy, and optical coherence tomography. *Journal of Biomedical Optics*, **2017**, 22, 1-9	3.5	10
131	Simple and robust calibration procedure for k-linearization and dispersion compensation in optical coherence tomography. *Journal of Biomedical Optics*, **2019**, 24, 1-11	3.5	10
130	Confocal Laser Endomicroscopy for the Diagnosis of Urothelial Carcinoma in the Bladder and the Upper Urinary Tract: Protocols for Two Prospective Explorative Studies. *JMIR Research Protocols*, **2018**, 7, e34	2	10
129	Three-dimensional histopathological reconstruction of bladder tumours. *Diagnostic Pathology*, **2019**, 14, 25	3	9
128	Detection of extracellular vesicles in plasma and urine of prostate cancer patients by flow cytometry and surface plasmon resonance imaging. *PLoS ONE*, **2020**, 15, e0233443	3.7	9
127	A Systematic Approach to Improve Scatter Sensitivity of a Flow Cytometer for Detection of Extracellular Vesicles. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2020**, 97, 582-591	4.6	9
126	In vivo, percutaneous, needle based, optical coherence tomography of renal masses. *Journal of Visualized Experiments*, **2015**,	1.6	9
125	Quantitative detection of gold nanoparticles on individual, unstained cancer cells by scanning electron microscopy. *Journal of Microscopy*, **2011**, 244, 187-93	1.9	9
124	Relation between the contrast in time integrated dynamic speckle patterns an the power spectral density of their temporal intensity fluctuations. *Optics Express*, **2010**, 18, 21883-91	3.3	9
123	Burn imaging with a whole field laser Doppler perfusion imager based on a CMOS imaging array. *Burns*, **2010**, 36, 389-96	2.3	9
122	Imaging of acoustic attenuation and speed of sound maps using photoacoustic measurements **2008** ,		9
121	Photoacoustic imaging of valves in superficial veins. *Lasers in Surgery and Medicine*, **2006**, 38, 740-4	3.6	9
120	UVB-activated psoralen reduces luminal narrowing after balloon dilation because of inhibition of constrictive remodeling. *Photochemistry and Photobiology*, **2002**, 75, 68-75	3.6	9
119	Single fiber reflectance spectroscopy calibration. *Journal of Biomedical Optics*, **2017**, 22, 1-4	3.5	9
118	Multiplex body fluid identification using surface plasmon resonance imaging with principal component analysis. *Sensors and Actuators B: Chemical*, **2019**, 283, 355-362	8.5	9
117	One-to-one registration of en-face optical coherence tomography attenuation coefficients with histology of a prostatectomy specimen. *Journal of Biophotonics*, **2019**, 12, e201800274	3.1	9

116	Can we predict necrosis intra-operatively? Real-time optical quantitative perfusion imaging in surgery: study protocol for a prospective, observational, in vivo pilot study. *Pilot and Feasibility Studies*, **2017**, 3, 65	1.9	8
115	Chip based common-path optical coherence tomography system with an on-chip microlens and multi-reference suppression algorithm. *Optics Express*, **2016**, 24, 12635-50	3.3	8
114	Estimation of microvascular perfusion after esophagectomy: a quantitative model of dynamic fluorescence imaging. *Medical and Biological Engineering and Computing*, **2019**, 57, 1889-1900	3.1	8
113	Optimized endoscopic autofluorescence spectroscopy for the identification of premalignant lesions in Barrett's oesophagus. *European Journal of Gastroenterology and Hepatology*, **2013**, 25, 1442-9	2.2	8
112	The 'nanobig rod' class of gold nanorods: optimized dimensions for improved in vivo therapeutic and imaging efficacy. *Nanotechnology*, **2013**, 24, 215102	3.4	8
111	Grading upper tract urothelial carcinoma with the attenuation coefficient of in-vivo optical coherence tomography. *Lasers in Surgery and Medicine*, **2019**, 51, 399	3.6	7
110	Effect of ephedrine on gastric conduit perfusion measured by laser speckle contrast imaging after esophagectomy: a prospective in vivo cohort study. *Ecological Management and Restoration*, **2018**, 31,	3	7
109	An In-vivo Prospective Study of the Diagnostic Yield and Accuracy of Optical Biopsy Compared with Conventional Renal Mass Biopsy for the Diagnosis of Renal Cell Carcinoma: The Interim Analysis. *European Urology Focus*, **2018**, 4, 978-985	5.1	7
108	Feasibility of Optical Coherence Tomography (OCT) for Intra-Operative Detection of Blood Flow during Gastric Tube Reconstruction. *Sensors*, **2018**, 18,	3.8	7
107	Side branch healing patterns of the Tryton dedicated bifurcation stent: a 1-year optical coherence tomography follow-up study. *International Journal of Cardiovascular Imaging*, **2014**, 30, 1445-56	2.5	7
106	Optical mammography combined with fluorescence imaging: lesion detection using scatterplots. *Biomedical Optics Express*, **2011**, 2, 1007-20	3.5	7
105	SiON Integrated Optics Elliptic Couplers for Fizeau-Based Optical Coherence Tomography. *Journal of Lightwave Technology*, **2010**, 28, 2836-2842	4	7
104	Speckle size and decorrelation time; space–time correlation analysis of coherent light dynamically scattered from turbid media. *Optics Communications*, **2008**, 281, 1755-1760	2	7
103	Treatment of coronary bifurcation lesions with the Absorb bioresorbable vascular scaffold in combination with the Tryton dedicated coronary bifurcation stent: evaluation using two- and three-dimensional optical coherence tomography. *EuroIntervention*, **2015**, 11, 877-84	3.1	7
102	Prediction of DNA concentration in fingermarks using autofluorescence properties. *Forensic Science International*, **2019**, 295, 128-136	2.6	7
101	Visibility of fiducial markers used for image-guided radiation therapy on optical coherence tomography for registration with CT: An esophageal phantom study. *Medical Physics*, **2017**, 44, 6570-6582	4.4	6
100	Toward Automated Bladder Tumor Stratification Using Confocal Laser Endomicroscopy. *Journal of Endourology*, **2019**, 33, 930-937	2.7	6
99	Periocular CO laser resurfacing: severe ocular complications from multiple unintentional laser impacts on the protective metal eye shields. *Lasers in Surgery and Medicine*, **2018**, 50, 980-986	3.6	6

98	Measurement of particle flux in a static matrix with suppressed influence of optical properties, using low coherence interferometry. *Optics Express*, **2010**, 18, 2849-57	3.3	6
97	Millimeter-resolution acousto-optic quantitative imaging in a tissue model system. *Journal of Biomedical Optics*, **2009**, 14, 034031	3.5	6
96	Time domain algorithm for accelerated determination of the first order moment of photo current fluctuations in high speed laser Doppler perfusion imaging. *Medical and Biological Engineering and Computing*, **2009**, 47, 1103-9	3.1	6
95	Remodeling of the atherosclerotic arterial wall: a determinant of luminal narrowing in human coronary arteries. *Coronary Artery Disease*, **1997**, 8, 415-21	1.4	6
94	Arterial remodeling after balloon angioplasty of the coronary artery: an intravascular ultrasound study. PICTURE Investigators. PostTreatment IntraCoronary Transluminal Ultrasound Result Evaluation. *American Heart Journal*, **1997**, 134, 680-4	4.9	6
93	Wavelength swept Ti:sapphire laser. *Optics Communications*, **2008**, 281, 4975-4978	2	6
92	Path-length-resolved optical Doppler perfusion monitoring. *Journal of Biomedical Optics*, **2007**, 12, 060508	3.5	6
91	Multidiameter single-fiber reflectance spectroscopy of heavily pigmented skin: modeling the inhomogeneous distribution of melanin. *Journal of Biomedical Optics*, **2019**, 24, 1-11	3.5	6
90	Optical coherence tomography accurately identifies patients with penile (pre) malignant lesions: A single center prospective study. *Urology Annals*, **2015**, 7, 459-65	1	6
89	Assesment of apoptosis induced changes in scattering using optical coherence tomography. *Journal of Biophotonics*, **2016**, 9, 913-23	3.1	6
88	The First In Vivo Needle-Based Optical Coherence Tomography in Human Prostate: A Safety and Feasibility Study. *Lasers in Surgery and Medicine*, **2019**, 51, 390	3.6	5
87	Cancer-ID: Toward Identification of Cancer by Tumor-Derived Extracellular Vesicles in Blood. *Frontiers in Oncology*, **2020**, 10, 608	5.3	5
86	Sex determination from fingermarks using fluorescent in situ hybridization. *Analytical Methods*, **2018**, 10, 1413-1419	3.2	5
85	Successful treatment of a long tapered lesion with two overlapping ABSORB bioresorbable vascular scaffolds of different diameters: evaluation by three-dimensional optical coherence tomography. *International Journal of Cardiology*, **2013**, 165, e26-7	3.2	5
84	Learning curve and interobserver variance in quantification of the optical coherence tomography attenuation coefficient. *Journal of Biomedical Optics*, **2015**, 20, 121313	3.5	5
83	Doppler-based lateral motion tracking for optical coherence tomography. *Optics Letters*, **2012**, 37, 2220-2	3	5
82	Non-contact spectroscopic determination of large blood volume fractions in turbid media. *Biomedical Optics Express*, **2011**, 2, 396-407	3.5	5
81	Discrimination between Doppler-shifted and non-shifted light in coherence domain path length resolved measurements of multiply scattered light. *Optics Express*, **2007**, 15, 13340-50	3.3	5

80	Function and structure of pressurized and perfused porcine carotid arteries: effects of in vitro balloon angioplasty. *American Journal of Pathology*, **2003**, 163, 1743-50	5.8	5
79	Torsion measurement of catheters using polarized light in a single glass fibre. *Physics in Medicine and Biology*, **1998**, 43, 1049-57	3.8	5
78	Modified Fiber Tips for Laser Angioplasty: Mechanisms of Action. *Journal of Interventional Cardiology*, **1990**, 3, 243-253	1.8	5
77	Analytical model for diffuse reflectance in single fiber reflectance spectroscopy. *Optics Letters*, **2020**, 45, 2078-2081	3	5
76	Confocal Laser Endomicroscopy and Optical Coherence Tomography for the Diagnosis of Prostate Cancer: A Needle-Based, In Vivo Feasibility Study Protocol (IDEAL Phase 2A). *JMIR Research Protocols*, **2018**, 7, e132	2	5
75	Decreasing the Size of a Spectral Domain Optical Coherence Tomography System With Cascaded Arrayed Waveguide Gratings in a Photonic Integrated Circuit. *IEEE Journal of Selected Topics in Quantum Electronics*, **2019**, 25, 1-9	3.8	5
74	Fluorescence characteristics of human Barrett tissue specimens grafted on chick chorioallantoic membrane. *Lasers in Medical Science*, **2016**, 31, 137-44	3.1	4
73	Feasibility of using optical coherence tomography to detect radiation-induced fibrosis and residual cancer extent after neoadjuvant chemo-radiation therapy: an ex vivo study. *Biomedical Optics Express*, **2018**, 9, 4196-4216	3.5	4
72	Simultaneous imaging of ultrasound attenuation, speed of sound, and optical absorption in a photoacoustic setup **2009**,		4
71	Detection of early-stage age related macular degeneration with a compact rarebit test. *British Journal of Ophthalmology*, **2012**, 96, 1354-5	5.5	4
70	Quantification of spatial intensity correlations and photodetector intensity fluctuations of coherent light reflected from turbid particle suspensions. *Physical Review E*, **2007**, 75, 060901	2.4	4
69	NAOMI: nanoparticle assisted optical molecular imaging **2006**,		4
68	Feasibility of using optical coherence tomography to detect acute radiation-induced esophageal damage in small animal models. *Journal of Biomedical Optics*, **2018**, 23, 1-12	3.5	4
67	Subdiffuse scattering model for single fiber reflectance spectroscopy. *Journal of Biomedical Optics*, **2020**, 25, 1-11	3.5	4
66	Subdiffuse scattering and absorption model for single fiber reflectance spectroscopy. *Biomedical Optics Express*, **2020**, 11, 6620-6633	3.5	4
65	Deep Learning-based Recurrence Prediction in Patients with Non-muscle-invasive Bladder Cancer. *European Urology Focus*, **2020**,	5.1	4
64	Quantification of Light Scattering Detection Efficiency and Background in Flow Cytometry. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2021**, 99, 671-679	4.6	4
63	Quantitative change of perfusion in gastric tube reconstruction by sidestream dark field microscopy (SDF) after esophagectomy, a prospective in-vivo cohort study. *European Journal of Surgical Oncology*, **2021**, 47, 1034-1041	3.6	4

62	Noninvasive fluence rate mapping in living tissues using magnetic resonance thermometry. *Journal of Biomedical Optics*, **2017**, 22, 36001	3.5	3
61	Optical coherence tomography to detect acute esophageal radiation-induced damage in mice: A validation study. *Journal of Biophotonics*, **2019**, 12, e201800440	3.1	3
60	Estimating the Time of Deposition of Semen Traces using Fluorescence Protein-Lipid Oxidation Signatures. *Analytical Chemistry*, **2019**, 91, 3204-3208	7.8	3
59	How the blood pool properties at onset affect the temporal behavior of simulated bruises. *Medical and Biological Engineering and Computing*, **2012**, 50, 165-71	3.1	3
58	Current position of diagnostics and surgical treatment for upper tract urothelial carcinoma. *Minerva Urology and Nephrology*, **2017**, 69, 159-165	2.3	3
57	Quantitative comparison of analysis methods for spectroscopic optical coherence tomography: reply to comment. *Biomedical Optics Express*, **2014**, 5, 3034-5	3.5	3
56	Psoralen and long wavelength ultraviolet radiation as an adjuvant therapy for prevention of intimal hyperplasia and constrictive remodeling after balloon dilation: a study in the rabbit iliac artery. *Lasers in Surgery and Medicine*, **1998**, 23, 281-90	3.6	3
55	Connecting laser Doppler perfusion imaging and laser speckle contrast analysis **2008**,		3
54	Curve fitting for quantitative measurement of attenuation coefficients from OCT images **2005**,		3
53	Characterization of a clinical prototype for photoacoustic mammography and some phantom studies **2005**,		3
52	Limitations of Weight Velocity Analysis by Commercial Computer Program Growth Analyser Viewer Edition. *Annals of Biomedical Engineering*, **2019**, 47, 297-305	4.7	3
51	Misinterpretation of solid sphere equivalent refractive index measurements and smallest detectable diameters of extracellular vesicles by flow cytometry.. *Scientific Reports*, **2021**, 11, 24151	4.9	3
50	Weight velocity equations with 14-448 days time separated weights should not be used for infants under 3 years of age. *Medical Hypotheses*, **2019**, 129, 109234	3.8	2
49	A clinical probe for combined Raman spectroscopy-optical coherence tomography (RS-OCT) of the skin cancers **2010**,		2
48	Real-time photoacoustic and ultrasound imaging of human vasculature **2009**,		2
47	Enlarged acceptance angle of a finite size detector in photoacoustic imaging using acoustic lenses **2011**,		2
46	Photoacoustic imaging of tumor angiogenesis **2008**,		2
45	High angle phase modulated low coherence interferometry for path length resolved Doppler measurements of multiply scattered light. *Optics Communications*, **2008**, 281, 494-498	2	2

44	Evaluation of a multimode fiber optic low coherence interferometer for path length resolved Doppler measurements of diffuse light. *Review of Scientific Instruments*, **2007**, 78, 126103	1.7	2
43	First clinical trials of the Twente photoacoustic mammoscope (PAM) **2007**,		2
42	Region-of-interest breast images with the Twente Photoacoustic Mammoscope (PAM) **2007**,		2
41	Effect of speckles on the depth sensitivity of laser Doppler perfusion imaging. *Optics Express*, **2007**, 15, 10911-9	3.3	2
40	Photoacoustic monitoring and imaging of blood vessel size in vivo **2003**,		2
39	Three-dimensional photoacoustic imaging of breast tissue phantoms **2004**,		2
38	Oxygen saturation dependent absorption and scattering of whole blood **2004**,		2
37	EDTA stabilizes the concentration of platelet-derived extracellular vesicles during blood collection and handling. *Platelets*, **2021**, 1-8	3.6	2
36	study in nephroureterectomy specimens defining the role of 3-D upper urinary tract visualization using optical coherence tomography and endoluminal ultrasound. *Journal of Medical Imaging*, **2018**, 5, 017001	2.6	2
35	Spectral domain, common path OCT in a handheld PIC based system **2018**,		2
34	Comparison of Optical Imaging Techniques to Quantitatively Assess the Perfusion of the Gastric Conduit during Oesophagectomy. *Applied Sciences (Switzerland)*, **2020**, 10, 5522	2.6	2
33	Toward improved endoscopic surveillance with multidiameter single fiber reflectance spectroscopy in patients with Barrett's esophagus. *Journal of Biophotonics*, **2021**, 14, e202000351	3.1	2
32	Experimental validation of a recently developed model for single-fiber reflectance spectroscopy. *Journal of Biomedical Optics*, **2021**, 26,	3.5	2
31	Quantitative Assessment of Optical Properties in Healthy Cartilage and Repair Tissue by Optical Coherence Tomography and Histology. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 203-209	3.8	1
30	Autofluorescence imaging for improved visualization of joint structures during arthroscopic surgery. *Journal of Experimental Orthopaedics*, **2017**, 4, 19	2.3	1
29	Monte Carlo simulations shed light on Bathsheba's suspect breast. *Journal of Biophotonics*, **2014**, 7, 323-31	3.1	1
28	Diffuse reflectance relations based on diffusion dipole theory for large absorption and reduced scattering. *Journal of Biomedical Optics*, **2013**, 18, 87007	3.5	1
27	Breast imaging using the Twente photoacoustic mammoscope (PAM): new clinical measurements **2011**,		1

26	Absolute measurement of absorption coefficient by combining photoacoustics and acousto-optics **2011**,		1
25	In vivo optical path lengths and path length resolved doppler shifts of multiply scattered light. *Lasers in Surgery and Medicine*, **2010**, 42, 692-700	3.6	1
24	Blood oxygen saturation of frozen tissue determined by hyper spectral imaging **2008**,		1
23	Speed-of-sound imaging in a photoacoustic imager **2007**,		1
22	NAOMI: nanoparticle-assisted optical molecular imaging **2007**,		1
21	Laser Doppler Perfusion Imaging with a high-speed CMOS-camera **2007**,		1
20	Acoustic property measurements in a photoacoustic imager **2007**,		1
19	Hematocrit-dependence of the scattering coefficient of blood determined by optical coherence tomography **2006**,		1
18	Pulsed Laser Tissue Interaction **2010**, 617-649		1
17	The compatibility of immunolabeling with STR profiling. *Forensic Science International: Genetics*, **2021**, 52, 102485	4.3	1
16	Wound scabs protect regenerating tissue against harmful ultraviolet radiation. *Medical Hypotheses*, **2016**, 96, 39-41	3.8	1
15	Bayesian analysis of depth resolved OCT attenuation coefficients. *Scientific Reports*, **2021**, 11, 2263	4.9	1
14	FA05.03: EFFECT OF EPHEDRINE ON GASTRIC CONDUIT PERFUSION MEASURED BY LASER SPECKLE CONTRAST IMAGING (LSCO) AFTER ESOPHAGECTOMY: A PROSPECTIVE IN-VIVO COHORT STUDY. *Ecological Management and Restoration*, **2018**, 31, 10-10	3	1
13	PS01.186: QUANTITATIVE PERFUSION EVALUATION AFTER GASTRIC TUBE RECONSTRUCTION USING FLUORESCENCE IMAGING. *Ecological Management and Restoration*, **2018**, 31, 102-103	3	1
12	Effect of probe pressure on skin tissue optical properties measurement using multi-diameter single fiber reflectance spectroscopy. *JPhys Photonics*, **2020**, 2, 034008	2.5	0
11	Computed Tomography-Mediated Registration of Trapeziometacarpal Articular Cartilage Using Intraarticular Optical Coherence Tomography and Cryomicrotome Imaging: A Cadaver Study. *Cartilage*, **2019**, 1947603519860247	3	
10	En-face optical coherence tomography for the detection of cancer in prostatectomy specimens: Quantitative analysis in 20 patients. *Journal of Biophotonics*, **2020**, 13, e201960105	3.1	
9	Detecting signs of retinal leakage in exudative AMD using Cirrus OCT versus SL SCAN-1, a novel integrated FD-OCT into a common slit lamp. *Graefeis Archive for Clinical and Experimental Ophthalmology*, **2016**, 254, 37-41	3.8	

List of Publications

8	UVB-activated Psoralen Reduces Luminal Narrowing After Balloon Dilation Because of Inhibition of Constrictive Remodeling¶. *Photochemistry and Photobiology*, **2007**, 75, 68-75	3.6
7	Temperature-dependent optical properties of individual vascular wall components measured by OCT **2006**, 6078, 381	
6	Notes on Past and Current Research at the Laser Centre in Amsterdam. *Medical Laser Application: International Journal for Laser Treatment and Research*, **2002**, 17, 65-72	
5	Recurrence in Non-Muscle Invasive Bladder Cancer Patients: External Validation of the EORTC, CUETO and EAU Risk Tables and Towards a Non-Linear Survival Model. *Bladder Cancer*, **2020**, 6, 277-284	1
4	3D co-registration algorithm for catheter-based optical coherence tomography. *OSA Continuum*, **2020**, 3, 2707	1.4
3	Limitations of Dutch Growth Research Foundation Commercial Software Weight Velocity for Age Standard Deviation Score. *American Journal of Case Reports*, **2020**, 21, e925551	1.3
2	Limitations of Dutch Growth Research Foundation Commercial Software Weight Velocity for Age Standard Deviation Score. *American Journal of Case Reports*, **2020**, 21, e925551	1.3
1	VS03.01: QUANTITATIVE IMAGING OF CHANGE IN MICROCIRCULATION BY SIDESTREAM DARK FIELD MICROSCOPY (SDF) AFTER ESOPHAGECTOMY. *Ecological Management and Restoration*, **2018** , 31, 47-48	3