Ton G Van Leeuwen

List of Publications by Year in Descending Order

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	EDTA stabilizes the concentration of platelet-derived extracellular vesicles during blood collection and handling. *Platelets*, **2021**, 1-8	3.6	2
312	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
311	The compatibility of immunolabeling with STR profiling. *Forensic Science International: Genetics*, **2021**, 52, 102485	4.3	1
310	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
309	Bayesian analysis of depth resolved OCT attenuation coefficients. *Scientific Reports*, **2021**, 11, 2263	4.9	1
308	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
307	Experimental validation of a recently developed model for single-fiber reflectance spectroscopy. *Journal of Biomedical Optics*, **2021**, 26,	3.5	2
306	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
305	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
304	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
303	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
302	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	
301	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
300	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
299	Cancer-ID: Toward Identification of Cancer by Tumor-Derived Extracellular Vesicles in Blood. *Frontiers in Oncology*, **2020**, 10, 608	5.3	5
298	Subdiffuse scattering model for single fiber reflectance spectroscopy. *Journal of Biomedical Optics*, **2020**, 25, 1-11	3.5	4
297	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

296	Subdiffuse scattering and absorption model for single fiber reflectance spectroscopy. *Biomedical Optics Express*, **2020**, 11, 6620-6633	3.5	4
295	Analytical model for diffuse reflectance in single fiber reflectance spectroscopy. *Optics Letters*, **2020**, 45, 2078-2081	3	5
294	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	
293	3D co-registration algorithm for catheter-based optical coherence tomography. *OSA Continuum*, **2020**, 3, 2707	1.4	
292	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	
291	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	
290	Deep Learning-based Recurrence Prediction in Patients with Non-muscle-invasive Bladder Cancer. *European Urology Focus*, **2020**,	5.1	4
289	Synchronized Rayleigh and Raman scattering for the characterization of single optically trapped extracellular vesicles. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 24, 102109	6	11
288	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
287	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
286	Computed Tomography-Mediated Registration of Trapeziometacarpal Articular Cartilage Using Intraarticular Optical Coherence Tomography and Cryomicrotome Imaging: A Cadaver Study. *Cartilage*, **2019**, 1947603519860247	3	
285	Toward Automated Bladder Tumor Stratification Using Confocal Laser Endomicroscopy. *Journal of Endourology*, **2019**, 33, 930-937	2.7	6
284	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
283	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
282	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
281	Optical coherence tomography to detect acute esophageal radiation-induced damage in mice: A validation study. *Journal of Biophotonics*, **2019**, 12, e201800440	3.1	3
280	Refractive index measurement using single fiber reflectance spectroscopy. *Journal of Biophotonics*, **2019**, 12, e201900019	3.1	14
279	Three-dimensional histopathological reconstruction of bladder tumours. *Diagnostic Pathology*, **2019**, 14, 25	3	9

278	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
277	Estimating the Time of Deposition of Semen Traces using Fluorescence Protein-Lipid Oxidation Signatures. *Analytical Chemistry*, **2019**, 91, 3204-3208	7.8	3
276	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
275	Refractive index to evaluate staining specificity of extracellular vesicles by flow cytometry. *Journal of Extracellular Vesicles*, **2019**, 8, 1643671	16.4	28
274	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
273	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
272	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
271	Limitations of Weight Velocity Analysis by Commercial Computer Program Growth Analyser Viewer Edition. *Annals of Biomedical Engineering*, **2019**, 47, 297-305	4.7	3
270	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
269	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
268	Prediction of DNA concentration in fingermarks using autofluorescence properties. *Forensic Science International*, **2019**, 295, 128-136	2.6	7
267	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
266	Intraoperative evaluation of perfusion in free flap surgery: A systematic review and meta-analysis. *Microsurgery*, **2018**, 38, 804-818	2.1	18
265	Standardization of extracellular vesicle measurements by flow cytometry through vesicle diameter approximation. *Journal of Thrombosis and Haemostasis*, **2018**, 16, 1236-1245	15.4	90
264	Comparison of Generic Fluorescent Markers for Detection of Extracellular Vesicles by Flow Cytometry. *Clinical Chemistry*, **2018**, 64, 680-689	5.5	56
263	Sex determination from fingermarks using fluorescent in situ hybridization. *Analytical Methods*, **2018**, 10, 1413-1419	3.2	5
262	On-chip Mach-Zehnder interferometer for OCT systems. *Advanced Optical Technologies*, **2018**, 7, 103-106	0.9	10
261	Absolute sizing and label-free identification of extracellular vesicles by flow cytometry. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 801-810	6	62

260	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
259	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
258	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
257	Identification and detection of protein markers to differentiate between forensically relevant body fluids. *Forensic Science International*, **2018**, 290, 196-206	2.6	11
256	Feasibility of Optical Coherence Tomography (OCT) for Intra-Operative Detection of Blood Flow during Gastric Tube Reconstruction. *Sensors*, **2018**, 18,	3.8	7
255	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
254	Hollow organosilica beads as reference particles for optical detection of extracellular vesicles. *Journal of Thrombosis and Haemostasis*, **2018**, 16, 1646	15.4	34
253	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
252	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
251	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
250	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
249	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
248	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
247	Spectral domain, common path OCT in a handheld PIC based system **2018**,		2
246	Dual excitation wavelength system for combined fingerprint and high wavenumber Raman spectroscopy. *Analyst, The*, **2018**, 143, 6049-6060	5	18
245	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	
244	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
243	PS01.186: QUANTITATIVE PERFUSION EVALUATION AFTER GASTRIC TUBE RECONSTRUCTION USING FLUORESCENCE IMAGING. *Ecological Management and Restoration*, **2018**, 31, 102-103	3	1

242	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
241	Deriving Extracellular Vesicle Size From Scatter Intensities Measured by Flow Cytometry. *Current Protocols in Cytometry*, **2018**, 86, e43	3.6	29
240	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
239	Noninvasive fluence rate mapping in living tissues using magnetic resonance thermometry. *Journal of Biomedical Optics*, **2017**, 22, 36001	3.5	3
238	Methodological Guidelines to Study Extracellular Vesicles. *Circulation Research*, **2017**, 120, 1632-1648	15.7	490
237	Modeling subdiffusive light scattering by incorporating the tissue phase function and detector numerical aperture. *Journal of Biomedical Optics*, **2017**, 22, 50501	3.5	11
236	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
235	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
234	Surface Plasmon Resonance is an Analytically Sensitive Method for Antigen Profiling of Extracellular Vesicles. *Clinical Chemistry*, **2017**, 63, 1633-1641	5.5	23
233	OCT Amplitude and Speckle Statistics of Discrete Random Media. *Scientific Reports*, **2017**, 7, 14873	4.9	24
232	Autofluorescence imaging for improved visualization of joint structures during arthroscopic surgery. *Journal of Experimental Orthopaedics*, **2017**, 4, 19	2.3	1
231	Current position of diagnostics and surgical treatment for upper tract urothelial carcinoma. *Minerva Urology and Nephrology*, **2017**, 69, 159-165	2.3	3
230	Single fiber reflectance spectroscopy calibration. *Journal of Biomedical Optics*, **2017**, 22, 1-4	3.5	9
229	Quantitative attenuation analysis for identification of early Barrett's neoplasia in volumetric laser endomicroscopy. *Journal of Biomedical Optics*, **2017**, 22, 86001	3.5	10
228	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
227	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
226	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
225	Measurement of biofilm growth and local hydrodynamics using optical coherence tomography. *Biomedical Optics Express*, **2016**, 7, 3508-3518	3.5	15

224	Quantitative blood flow velocity imaging using laser speckle flowmetry. *Scientific Reports*, **2016**, 6, 25258	4.9	40
223	Volumetric laser endomicroscopy in Barrett's esophagus: a feasibility study on histological correlation. *Ecological Management and Restoration*, **2016**, 29, 505-12	3	18
222	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
221	Fluorescence characteristics of human Barrett tissue specimens grafted on chick chorioallantoic membrane. *Lasers in Medical Science*, **2016**, 31, 137-44	3.1	4
220	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	
219	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
218	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
217	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
216	On the autofluorescence of aged fingermarks. *Forensic Science International*, **2016**, 258, 19-25	2.6	18
215	Detection of buried Barrett's glands after radiofrequency ablation with volumetric laser endomicroscopy. *Gastrointestinal Endoscopy*, **2016**, 83, 80-8	5.2	44
214	Assesment of apoptosis induced changes in scattering using optical coherence tomography. *Journal of Biophotonics*, **2016**, 9, 913-23	3.1	6
213	Wound scabs protect regenerating tissue against harmful ultraviolet radiation. *Medical Hypotheses*, **2016**, 96, 39-41	3.8	1
212	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
211	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
210	Irreversible electroporation of the porcine kidney: Temperature development and distribution. *Urologic Oncology: Seminars and Original Investigations*, **2015**, 33, 168.e1-7	2.8	33
209	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
208	Simultaneous and localized measurement of diffusion and flow using optical coherence tomography. *Optics Express*, **2015**, 23, 3448-59	3.3	22
207	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

206	Optical diagnostics for upper urinary tract urothelial cancer: technology, thresholds, and clinical applications. *Journal of Endourology*, **2015**, 29, 113-23	2.7	33
205	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
204	Irreversible electroporation: just another form of thermal therapy?. *Prostate*, **2015**, 75, 332-5	4.2	24
203	Photoacoustic image patterns of breast carcinoma and comparisons with Magnetic Resonance Imaging and vascular stained histopathology. *Scientific Reports*, **2015**, 5, 11778	4.9	92
202	In vivo, percutaneous, needle based, optical coherence tomography of renal masses. *Journal of Visualized Experiments*, **2015**,	1.6	9
201	Functional optical coherence tomography of pigmented lesions. *Journal of the European Academy of Dermatology and Venereology*, **2015**, 29, 738-44	4.6	11
200	Prostate cancer diagnosis: the feasibility of needle-based optical coherence tomography. *Journal of Medical Imaging*, **2015**, 2, 037501	2.6	22
199	Learning curve and interobserver variance in quantification of the optical coherence tomography attenuation coefficient. *Journal of Biomedical Optics*, **2015**, 20, 121313	3.5	5
198	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
197	Optical coherence tomography accurately identifies patients with penile (pre) malignant lesions: A single center prospective study. *Urology Annals*, **2015**, 7, 459-65	1	6
196	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
195	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
194	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
193	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
192	Immunolabeling of fingermarks left on forensic relevant surfaces, including thermal paper. *Analytical Methods*, **2014**, 6, 1051	3.2	13
191	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
190	Refractive index determination of nanoparticles in suspension using nanoparticle tracking analysis. *Nano Letters*, **2014**, 14, 6195-201	11.5	123
189	Oxidation monitoring by fluorescence spectroscopy reveals the age of fingermarks. *Angewandte Chemie - International Edition*, **2014**, 53, 6272-5	16.4	41

188	Ultra-compact silicon photonic integrated interferometer for swept-source optical coherence tomography. *Optics Letters*, **2014**, 39, 5228-31	3	35
187	Quantitative comparison of analysis methods for spectroscopic optical coherence tomography: reply to comment. *Biomedical Optics Express*, **2014**, 5, 3034-5	3.5	3
186	Monte Carlo simulations shed light on Bathsheba's suspect breast. *Journal of Biophotonics*, **2014**, 7, 323-31	3.1	1
185	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
184	Reproducible extracellular vesicle size and concentration determination with tunable resistive pulse sensing. *Journal of Extracellular Vesicles*, **2014**, 3, 25922	16.4	100
183	Optical biopsy of epithelial cancers by optical coherence tomography (OCT). *Lasers in Medical Science*, **2014**, 29, 1297-305	3.1	34
182	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
181	Infrared imaging of the crime scene: possibilities and pitfalls. *Journal of Forensic Sciences*, **2013**, 58, 1156-62	1.8	20
180	Simultaneous labeling of multiple components in a single fingermark. *Forensic Science International*, **2013**, 232, 173-9	2.6	23
179	Dependent and multiple scattering in transmission and backscattering optical coherence tomography. *Optics Express*, **2013**, 21, 29145-56	3.3	38
178	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
177	An optimized ultrasound detector for photoacoustic breast tomography. *Medical Physics*, **2013**, 40, 032901	3.1	36
176	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
175	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
174	The compatibility of fingerprint visualization techniques with immunolabeling. *Journal of Forensic Sciences*, **2013**, 58, 999-1002	1.8	20
173	Diffuse reflectance relations based on diffusion dipole theory for large absorption and reduced scattering. *Journal of Biomedical Optics*, **2013**, 18, 87007	3.5	1
172	Quantitative laser speckle flowmetry of the in vivo microcirculation using sidestream dark field microscopy. *Biomedical Optics Express*, **2013**, 4, 2347-61	3.5	25
171	Design and evaluation of a laboratory prototype system for 3D photoacoustic full breast tomography. *Biomedical Optics Express*, **2013**, 4, 2555-69	3.5	31

170	Quantitative comparison of analysis methods for spectroscopic optical coherence tomography. *Biomedical Optics Express*, **2013**, 4, 2570-84	3.5	26
169	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
168	Localized measurement of longitudinal and transverse flow velocities in colloidal suspensions using optical coherence tomography. *Physical Review E*, **2013**, 88, 042312	2.4	46
167	The 'nanobig rod'class of gold nanorods: optimized dimensions for improved in vivo therapeutic and imaging efficacy. *Nanotechnology*, **2013**, 24, 215102	3.4	8
166	Single vs. swarm detection of microparticles and exosomes by flow cytometry. *Journal of Thrombosis and Haemostasis*, **2012**, 10, 919-30	15.4	281
165	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
164	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
163	Toward Spectral-Domain Optical Coherence Tomography on a Chip. *IEEE Journal of Selected Topics in Quantum Electronics*, **2012**, 18, 1223-1233	3.8	33
162	Hyperspectral imaging for non-contact analysis of forensic traces. *Forensic Science International*, **2012**, 223, 28-39	2.6	166
161	Hyperspectral imaging for the age estimation of blood stains at the crime scene. *Forensic Science International*, **2012**, 223, 72-7	2.6	75
160	Doppler-based lateral motion tracking for optical coherence tomography. *Optics Letters*, **2012**, 37, 2220-2	3	5
159	Identification and age estimation of blood stains on colored backgrounds by near infrared spectroscopy. *Forensic Science International*, **2012**, 220, 239-44	2.6	61
158	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
157	Speed-of-sound compensated photoacoustic tomography for accurate imaging. *Medical Physics*, **2012**, 39, 7262-71	4.4	83
156	Raman and Fluorescence Spectral Imaging of Live Breast Cancer Cells Incubated with PEGylated Gold Nanorods. *Applied Spectroscopy*, **2012**, 66, 66-74	3.1	11
155	Forensic quest for age determination of bloodstains. *Forensic Science International*, **2012**, 216, 1-11	2.6	83
154	Detection of early-stage age related macular degeneration with a compact rarebit test. *British Journal of Ophthalmology*, **2012**, 96, 1354-5	5.5	4
153	Multiple scattering effects in Doppler optical coherence tomography of flowing blood. *Physics in Medicine and Biology*, **2012**, 57, 1907-17	3.8	12

152	Limitations and opportunities of transcutaneous bilirubin measurements. *Pediatrics*, **2012**, 129, 689-94	7.4	44
151	Integrated-optics-based swept-source optical coherence tomography. *Optics Letters*, **2012**, 37, 4820-2	3	35
150	Spectral domain detection in low-coherence spectroscopy. *Biomedical Optics Express*, **2012**, 3, 2263-72	3.5	11
149	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
148	Optical coherence tomography in vulvar intraepithelial neoplasia. *Journal of Biomedical Optics*, **2012**, 17, 116022	3.5	31
147	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
146	Light interactions with gold nanorods and cells: implications for photothermal nanotherapeutics. *Nano Letters*, **2011**, 11, 1887-94	11.5	118
145	Measurements of wavelength dependent scattering and backscattering coefficients by low-coherence spectroscopy. *Journal of Biomedical Optics*, **2011**, 16, 030503	3.5	29
144	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
143	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
142	Non-contact spectroscopic determination of large blood volume fractions in turbid media. *Biomedical Optics Express*, **2011**, 2, 396-407	3.5	5
141	Optical mammography combined with fluorescence imaging: lesion detection using scatterplots. *Biomedical Optics Express*, **2011**, 2, 1007-20	3.5	7
140	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
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