

Martin J Leahy

List of Publications by Year in descending order

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176
papers

5,550
citations

136950

32
h-index

82547

72
g-index

201
all docs

201
docs citations

201
times ranked

6247
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of computer tools for analysing the integration of renewable energy into various energy systems. <i>Applied Energy</i> , 2010, 87, 1059-1082.	10.1	1,244
2	Advances in poultry litter disposal technology – a review. <i>Bioresource Technology</i> , 2002, 83, 27-36.	9.6	438
3	The first step towards a 100% renewable energy-system for Ireland. <i>Applied Energy</i> , 2011, 88, 502-507.	10.1	377
4	In vivo imaging of the microcirculation of the volar forearm using correlation mapping optical coherence tomography (cmOCT). <i>Biomedical Optics Express</i> , 2011, 2, 1184.	2.9	237
5	Practical operation strategies for pumped hydroelectric energy storage (PHES) utilising electricity price arbitrage. <i>Energy Policy</i> , 2011, 39, 4189-4196.	8.8	210
6	The technical and economic implications of integrating fluctuating renewable energy using energy storage. <i>Renewable Energy</i> , 2012, 43, 47-60.	8.9	182
7	Investigating a smartphone imaging unit for photoplethysmography. <i>Physiological Measurement</i> , 2010, 31, N79-N83.	2.1	161
8	Employing mesenchymal stem cells to support tumor-targeted delivery of extracellular vesicle (EV)-encapsulated microRNA-379. <i>Oncogene</i> , 2018, 37, 2137-2149.	5.9	150
9	Comparison of instruments for investigation of microcirculatory blood flow and red blood cell concentration. <i>Journal of Biomedical Optics</i> , 2009, 14, 034025.	2.6	135
10	Sub-epidermal imaging using polarized light spectroscopy for assessment of skin microcirculation. <i>Skin Research and Technology</i> , 2007, 13, 472-484.	1.6	108
11	Correlation mapping method for generating microcirculation morphology from optical coherence tomography (OCT) intensity images. <i>Journal of Biophotonics</i> , 2011, 4, 583-587.	2.3	106
12	Cellular phone-based photoplethysmographic imaging. <i>Journal of Biophotonics</i> , 2011, 4, 293-296.	2.3	106
13	“Go with the flow”™: A review of methods and advancements in blood flow imaging. <i>Journal of Biophotonics</i> , 2013, 6, 217-255.	2.3	91
14	Modelling the existing Irish energy-system to identify future energy costs and the maximum wind penetration feasible. <i>Energy</i> , 2010, 35, 2164-2173.	8.8	90
15	In-vivo dynamic characterization of microneedle skin penetration using optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2010, 15, 046001.	2.6	84
16	A self-validating digital Coriolis mass-flow meter: an overview. <i>Control Engineering Practice</i> , 2000, 8, 487-506.	5.5	74
17	Combustion of poultry litter in a fluidised bed combustor. <i>Fuel</i> , 2003, 82, 687-692.	6.4	73
18	Modelling jarosite precipitation in isothermal chalcopyrite bioleaching columns. <i>Hydrometallurgy</i> , 2009, 98, 181-191.	4.3	70

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19	Facilitation of renewable electricity using price based appliance control in Ireland's electricity market. <i>Energy</i> , 2011, 36, 2952-2960.	8.8	70
20	Development of a computer program to locate potential sites for pumped hydroelectric energy storage. <i>Energy</i> , 2010, 35, 375-381.	8.8	69
21	Towards Optical Monitoring of Vanadium Redox Flow Batteries (VRFBs): An Investigation of the Underlying Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2014, 161, A524-A534.	2.9	64
22	Biophotonic methods in microcirculation imaging. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2007, 22, 105-126.	0.3	57
23	A model for heap bioleaching of chalcocite with heat balance: Mesophiles and moderate thermophiles. <i>Hydrometallurgy</i> , 2007, 85, 24-41.	4.3	53
24	A multi-centre retrospective study of rituximab use in the treatment of relapsed or resistant warm autoimmune haemolytic anaemia. <i>British Journal of Haematology</i> , 2013, 163, 118-122.	2.5	50
25	Single-well experimental design for studying residual trapping of supercritical carbon dioxide. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 88-98.	4.6	48
26	Multichannel laser-Doppler probe for blood perfusion measurements with depth discrimination. <i>Medical and Biological Engineering and Computing</i> , 1998, 36, 740-747.	2.8	39
27	A model for heap bioleaching of chalcocite with heat balance: Bacterial temperature dependence. <i>Minerals Engineering</i> , 2005, 18, 1239-1252.	4.3	36
28	Evaluation of hemodynamically severe coronary stenosis as determined by fractional flow reserve with frequency domain optical coherence tomography measured anatomical parameters. <i>Journal of Cardiology</i> , 2014, 64, 19-24.	1.9	35
29	A new device for assessing changes in skin viscoelasticity using indentation and optical measurement. <i>Skin Research and Technology</i> , 2010, 16, 210-228.	1.6	34
30	Dual plasmonic gold nanostars for photoacoustic imaging and photothermal therapy. <i>Nanomedicine</i> , 2017, 12, 457-471.	3.3	34
31	Nano-sensitive optical coherence tomography. <i>Nanoscale</i> , 2014, 6, 3545-3549.	5.6	33
32	Linear-array-based photoacoustic imaging of human microcirculation with a range of high frequency transducer probes. <i>Journal of Biomedical Optics</i> , 2014, 20, 1.	2.6	32
33	Tissue viability (TiVi) imaging: temporal effects of local occlusion studies in the volar forearm. <i>Journal of Biophotonics</i> , 2010, 3, 66-74.	2.3	28
34	Feasibility of correlation mapping optical coherence tomography (cmOCT) for anti-spoof sub-surface fingerprinting. <i>Journal of Biophotonics</i> , 2013, 6, 663-667.	2.3	28
35	Whole-body magnetic resonance imaging in myxoid liposarcoma: A useful adjunct for the detection of extra-pulmonary metastatic disease. <i>European Journal of Surgical Oncology</i> , 2016, 42, 574-580.	1.0	28
36	Emissions modeling of fluidised bed co-combustion of poultry litter and peat. <i>Bioresource Technology</i> , 2003, 87, 289-294.	9.6	27

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37	Spectroscopic Study of Vanadium Electrolytes in Vanadium Redox Flow Battery (VRFB). ECS Transactions, 2013, 45, 25-36.	0.5	27
38	The use of fly ash from the combustion of poultry litter for the adsorption of chromium(III) from aqueous solution. Journal of Chemical Technology and Biotechnology, 2002, 77, 1212-1218.	3.2	26
39	Microcirculation imaging based on full-range high-speed spectral domain correlation mapping optical coherence tomography. Journal of Biomedical Optics, 2013, 19, 1.	2.6	26
40	A calibration standard for laser-Doppler perfusion measurements. Review of Scientific Instruments, 1995, 66, 5169-5173.	1.3	24
41	Functional imaging for regenerative medicine. Stem Cell Research and Therapy, 2016, 7, 57.	5.5	24
42	An air sparging CFD model for heap bioleaching of chalcocite. Applied Mathematical Modelling, 2006, 30, 1428-1444.	4.2	23
43	Preoperative measurement of cutaneous melanoma and nevi thickness with photoacoustic imaging. Journal of Medical Imaging, 2018, 5, 1.	1.5	23
44	Measurement of the blood flow rate and velocity in coronary artery stenosis using intracoronary frequency domain optical coherence tomography: Validation against fractional flow reserve. IJC Heart and Vasculature, 2014, 5, 68-71.	1.1	22
45	An Updated Review of Methods and Advancements in Microvascular Blood Flow Imaging. Microcirculation, 2016, 23, 345-363.	1.8	22
46	Direct interconnection of offshore electricity generators. Energy, 2011, 36, 1543-1553.	8.8	20
47	Dermascope guided multiple reference optical coherence tomography. Biomedical Optics Express, 2014, 5, 2870.	2.9	20
48	Blood optical clearing studied by optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 026014.	2.6	19
49	Novel approach for label free super-resolution imaging in far field. Scientific Reports, 2015, 5, 13274.	3.3	19
50	Contrast agents for photoacoustic imaging: a review of stem cell tracking. Stem Cell Research and Therapy, 2021, 12, 511.	5.5	18
51	Development of questionnaires to measure patient preferences for intranasal corticosteroids in patients with allergic rhinitis. Otolaryngology - Head and Neck Surgery, 2005, 132, 197-207.	1.9	17
52	Analysis of parallel connected synchronous generators in a novel offshore wind farm model. Energy, 2011, 36, 6387-6397.	8.8	17
53	Nanosensitive optical coherence tomography to assess wound healing within the cornea. Biomedical Optics Express, 2020, 11, 3407.	2.9	17
54	Increased penetration of wind generated electricity using real time pricing & demand side management. , 2009, , .		16

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55	Feasibility of Intracoronary Frequency Domain Optical Coherence Tomography Derived Fractional Flow Reserve for the Assessment of Coronary Artery Stenosis. <i>International Heart Journal</i> , 2014, 55, 307-311.	1.0	16
56	Nanosensitive optical coherence tomography for the study of changes in static and dynamic structures. <i>Quantum Electronics</i> , 2014, 44, 657-663.	1.0	15
57	3D nondestructive testing system with an affordable multiple reference optical-delay-based optical coherence tomography. <i>Applied Optics</i> , 2015, 54, 5634.	2.1	15
58	Experimental Validation of a Computational Fluid Dynamics Model of Copper Electrowinning. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010, 41, 1247-1260.	2.1	14
59	Development of a first-generation miniature multiple reference optical coherence tomography imaging device. <i>Journal of Biomedical Optics</i> , 2016, 21, 126020.	2.6	14
60	Sensor validation in biomedical applications. <i>Control Engineering Practice</i> , 1997, 5, 1753-1758.	5.5	13
61	Modeling Natural Convection in Copper Electrowinning: Describing Turbulence Behavior for Industrial-Sized Systems. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2011, 42, 875-890.	2.1	13
62	Rapid quantification of histamine in human psoriatic plaques using microdialysis and ultra high performance liquid chromatography with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 880, 119-124.	2.3	13
63	Assessment of curing behavior of light-activated dental composites using intensity correlation based multiple reference optical coherence tomography. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 77-82.	2.1	13
64	A neural network based approach for determination of optical scattering and absorption coefficients of biological tissue. <i>Journal of Physics: Conference Series</i> , 2009, 178, 012047.	0.4	12
65	Tissue viability imaging (TiVi) in the assessment of divergent beam UV-B provocation. <i>Archives of Dermatological Research</i> , 2011, 303, 79-87.	1.9	11
66	Multiple reference optical coherence tomography (MR-OCT) system. <i>Proceedings of SPIE</i> , 2013, , .	0.8	10
67	Flow and mass transfer modelling for copper electrowinning: development of instabilities along electrodes. <i>Hydrometallurgy</i> , 2014, 147-148, 41-53.	4.3	10
68	Spatial frequency domain correlation mapping optical coherence tomography for nanoscale structural characterization. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	10
69	Wind energy storage technologies. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2010, , 661-714.	0.0	10
70	Promotion of wind generated electricity using price responsive Demand Side Management: Price prediction analysis for imperfect energy storage. , 2010, , .		9
71	In vivo full-field en face correlation mapping optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 1.	2.6	9
72	Assessment of psoriatic plaque <i>in vivo</i> with correlation mapping optical coherence tomography. <i>Skin Research and Technology</i> , 2014, 20, 141-146.	1.6	9

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73	Photoacoustic cardiovascular imaging: a new technique for imaging of atherosclerosis and vulnerable plaque detection. Biomedical Physics and Engineering Express, 2018, 4, 032002.	1.2	9
74	Application of cmOCT and continuous wavelet transform analysis to the assessment of skin microcirculation dynamics. Journal of Biomedical Optics, 2018, 23, 1.	2.6	9
75	Laser Doppler flowmetry for assessment of tissue microcirculation: 30 years to clinical acceptance. Proceedings of SPIE, 2010, , .	0.8	8
76	Enhanced in vivo visualization of the microcirculation by topical application of fructose solution confirmed with correlation mapping optical coherence tomography. Journal of Biomedical Optics, 2016, 21, 081212.	2.6	8
77	Real-Time Experimental Measurement of Swept Source VCSEL Properties Relevant to OCT Imaging. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	8
78	Noninvasive detection of nanoscale structural changes in cornea associated with cross-linking treatment. Journal of Biophotonics, 2020, 13, e201960234.	2.3	8
79	Multiple-reference optical coherence tomography for smartphone applications. SPIE Newsroom, 0, , .	0.1	8
80	Enhancement of OCT imaging by blood optical clearing in vessels – A feasibility study. Photonics & Lasers in Medicine, 2016, 5, .	0.2	7
81	Label-free ultra-sensitive visualization of structure below the diffraction resolution limit. Journal of Biophotonics, 2018, 11, e201700385.	2.3	7
82	Simultaneous en-face imaging of multiple layers with multiple reference optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 1.	2.6	7
83	Assistive tools for system integration, deployment, monitoring, and maintenance of ocean energy devices. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2010, 224, 155-172.	0.5	6
84	Dynamic microvascular responses with a high speed TiVi imaging system. Journal of Biophotonics, 2011, 4, 509-513.	2.3	6
85	Nanoscale structure detection and monitoring of tumour growth with optical coherence tomography. Nanoscale Advances, 2020, 2, 2853-2858.	4.6	6
86	Characterization of nanosensitive multifractality in submicron scale tissue morphology and its alteration in tumor progression. Journal of Biomedical Optics, 2021, 26, .	2.6	6
87	Accessing depth-resolved high spatial frequency content from the optical coherence tomography signal. Scientific Reports, 2021, 11, 17123.	3.3	6
88	Acoustic emission technology for detection of shaft-to-seal rubbing on power generation turbines; a qualitative verification. Insight: Non-Destructive Testing and Condition Monitoring, 2006, 48, 754-755.	0.6	5
89	Real time diffuse reflectance polarisation spectroscopy imaging to evaluate skin microcirculation. Proceedings of SPIE, 2007, , .	0.8	5
90	Estimating CO2 residual trapping from a single-well test: Experimental design calculations. Energy Procedia, 2011, 4, 5044-5049.	1.8	5

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91	In vivo microcirculation imaging of the sub surface fingertip using correlation mapping optical coherence tomography (cmOCT). Proceedings of SPIE, 2013, , .	0.8	5
92	The how and why of a \$10 optical coherence tomography system. , 2016, , .		5
93	Performance Review of Multiple Reference Versus Time Domain Optical Coherence Tomography. IEEE Photonics Journal, 2018, 10, 1-14.	2.0	5
94	Monitoring and dispersion modelling of emissions from the fluidised bed combustion of poultry litter. Environmental Monitoring and Assessment, 2003, 85, 239-255.	2.7	4
95	Correlation mapping: rapid method for retrieving microcirculation morphology from optical coherence tomography intensity images. Proceedings of SPIE, 2011, , .	0.8	4
96	Assessment of cutaneous melanoma and pigmented skin lesions with photoacoustic imaging. Proceedings of SPIE, 2015, , .	0.8	4
97	Developments in laser Doppler blood perfusion monitoring. , 2003, , .		3
98	<title>Diffuse reflection imaging of sub-epidermal tissue haematocrit using a simple RGB camera</title>. , 2007, , .		3
99	Application of gravity currents to the migration of CO2 in heterogeneous saline formations. Energy Procedia, 2009, 1, 3331-3338.	1.8	3
100	Tissue viability (TIVi) imaging: utility in assessment of rapid changes in the cutaneous microvasculature. , 2010, , .		3
101	Optimization and extraction of functional information from in vitro flow models using dual-beam spectral-domain optical coherence tomography cross-correlation analysis. Journal of Biomedical Optics, 2013, 18, 106003.	2.6	3
102	Feasibility of capillary velocity assessment by statistical means using dual-beam spectral-domain Optical Coherence Tomography: a preliminary study. Journal of Biophotonics, 2013, 6, 718-732.	2.3	3
103	Variation in cross-correlation as a discriminator for microvessel imaging using clinical intravascular optical coherence tomography systems. , 2014, , .		3
104	Developing cross-correlation as a method for microvessel imaging using clinical intravascular optical coherence tomography systems. Biomedical Optics Express, 2015, 6, 668.	2.9	3
105	Burkitt leukaemia/lymphoma: R-CODOX-M/R-IVAC remains gold standard treatment in BL. Irish Journal of Medical Science, 2016, 185, 773-777.	1.5	3
106	Feasibility of correlation mapping optical coherence tomography angiographic technique using a 200â€‰kHz vertical-cavity surface-emitting laser source for in vivo microcirculation imaging applications. Applied Optics, 2018, 57, E224.	1.8	3
107	Corrigendum to "Combustion of poultry litter in a fluidised bed combustor" [Fuel 82 (2003) 687â€‰692]. Fuel, 2004, 83, 2439.	6.4	2
108	Study of optical clearing of blood by immersion method. , 2011, , .		2

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109	High-speed high-sensitivity spectral-domain correlation mapping optical coherence tomography based modified scanning protocol. , 2013, , .		2
110	Modelling cerebral blood oxygenation using Monte Carlo XYZ-PA. Proceedings of SPIE, 2013, , .	0.8	2
111	Dual plasmonic gold nanoparticles for multispectral photoacoustic imaging application. , 2014, , .		2
112	Photothermal optical coherence tomography for depth-resolved imaging of mesenchymal stem cells<i>via</i>single wall carbon nanotubes. Proceedings of SPIE, 2014, , .	0.8	2
113	Photoacoustic imaging of the human forearm using 40 MHz linear-array transducer. Proceedings of SPIE, 2014, , .	0.8	2
114	A special issue on Biophotonics in Europe. Frontiers of Optoelectronics, 2017, 10, 203-210.	3.7	2
115	In-vivo assessment of microvascular functional dynamics by combination of cmOCT and wavelet transform. , 2018, , .		2
116	Tissue viability imaging for assessment of microvascular events. , 2005, , .		1
117	Analysis of skin recovery from mechanical indentation using diffuse lighting and digital imaging. Proceedings of SPIE, 2007, , .	0.8	1
118	Assessment of tissue viability by polarization spectroscopy. Opto-electronics Review, 2008, 16, .	2.4	1
119	Increased efficiency of wind generated electricity using demand side management. , 2008, , .		1
120	Front Matter: Volume 7898. , 2011, , .		1
121	Dual-beam optical coherence tomography system for quantification of flow velocity in capillary phantoms. , 2012, , .		1
122	Front Matter: Volume 9322. Proceedings of SPIE, 2015, , .	0.8	1
123	Correlation mapping microscopy. , 2015, , .		1
124	Quantitative assessment of rat corneal thickness and morphology during stem cell therapy by high-speed optical coherence tomography. , 2016, , .		1
125	In vivo correlation mapping microscopy. Journal of Biomedical Optics, 2016, 21, 1.	2.6	1
126	To assess the reparative ability of differentiated mesenchymal stem cells in a rat critical size bone repair defect model using high frequency co-registered photoacoustic/ultrasound imaging and micro computed tomography. Proceedings of SPIE, 2016, , .	0.8	1

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127	The impact of relative intensity noise on the signal in multiple reference optical coherence tomography. , 2016, , .		1
128	Comparing an FFT filter for multiple reference optical coherence tomography (MR-OCT) with an Chebychev and an elliptic filter. , 2017, , .		1
129	Characterization of an amplified piezoelectric actuator for multiple-reference optical coherence tomography. Applied Optics, 2018, 57, E142.	1.8	1
130	- Speckle in Optical Coherence Tomography. , 2016, , 231-298.		1
131	Spectroscopic Study of the Catholyte in a Vanadium Redox Flow Battery. ECS Meeting Abstracts, 2012, , .	0.0	1
132	Development of HR-SD-OCT system using supercontinuum light source and its application in detecting nanoscale changes. , 2020, , .		1
133	Simple Characterization Scheme for Optical Coherence Tomography Systems With Application to a Commercial and a Near-Isometric Resolution Fibre-Based System. IEEE Photonics Journal, 2022, 14, 1-11.	2.0	1
134	Evaluation of Signal Degradation Due to Birefringence in a Multiple Reference Optical Coherence Tomography System With Polarization-Based Balanced Detection. IEEE Photonics Journal, 2022, 14, 1-12.	2.0	1
135	Evaluation of different signal processing algorithms in laser Doppler perfusion measurements. , 2003, , .		0
136	Recent advances in imaging the microcirculation. Proceedings of SPIE, 2009, , .	0.8	0
137	Tissue viability imaging for quantification of skin erythema and blanching. Proceedings of SPIE, 2010, , .	0.8	0
138	A gel-based skin and blood flow model for a Doppler optical coherence tomography (DOCT) imaging system. Proceedings of SPIE, 2010, , .	0.8	0
139	Investigation of optical properties of tissue using an optical fibre sensor. , 2011, , .		0
140	Design and development of a galvanometer inspired dual beam optical coherence tomography system for flow velocity quantification of the microvasculature. Proceedings of SPIE, 2011, , .	0.8	0
141	Optical coherence tomography: imaging architect for dermal microdialysis in psoriasis. , 2011, , .		0
142	In-vivo assessment of cleavage line orientation in human skin using optical coherence tomography. , 2011, , .		0
143	Development of an absorption-based tomographic system for mapping the human microvasculature. Proceedings of SPIE, 2011, , .	0.8	0
144	Front Matter: 8222. , 2012, , .		0

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145	Front Matter: Volume 8580. , 2013, , .		0
146	High-speed full-range spectral-domain correlation mapping optical coherence tomography. , 2013, , .		0
147	Comparison of frequency domain optical coherence tomography and quantitative coronary angiography for the assessment of coronary lesions. Proceedings of SPIE, 2014, , .	0.8	0
148	Dermascope assisted interactive patient interface for multiple reference optical coherence tomography. , 2014, , .		0
149	High-sensitive full-range optical vibrometry based on Fourier-domain optical coherence tomography. Proceedings of SPIE, 2014, , .	0.8	0
150	Nano-sensitive optical coherence tomography (nsOCT) for depth resolved characterization of 3D submicron structure. , 2014, , .		0
151	Imaging mesenchymal stem cells containing single wall nanotube nanoprobe in a 3D scaffold using photo-thermal optical coherence tomography. Proceedings of SPIE, 2014, , .	0.8	0
152	Voice coil based robust and miniature optical delay for multiple reference optical coherence tomography. , 2014, , .		0
153	High resolution coherence domain depth-resolved nailfold capillaroscopy based on correlation mapping optical coherence tomography. , 2014, , .		0
154	Characterization of light distribution and optimization of detector position for multiple reference optical coherence tomography. Proceedings of SPIE, 2015, , .	0.8	0
155	Signal simulation and signal processing for multiple reference optical coherence tomography. Proceedings of SPIE, 2015, , .	0.8	0
156	Phase-sensitive multiple reference optical coherence tomography (Conference Presentation). , 2016, , .		0
157	Evaluation of a polarization sensitive multiple reference optical coherence tomography system. , 2016, , .		0
158	Front Matter: Volume 9707. Proceedings of SPIE, 2016, , .	0.8	0
159	Optimization of modified scanning protocol based correlation mapping optical coherence tomography at 200 kHz VCSEL source for in vivo microcirculation imaging applications. , 2016, , .		0
160	Novel contrast mechanism for label free super-resolution imaging. , 2016, , .		0
161	Depth-dependent displacement sensitivity analysis and the influence of Doppler angle for quantitative assessment of mechanical properties using phase-sensitive spectral domain optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0
162	Development of a miniature multiple reference optical coherence tomography imaging device. , 2016, , .		0

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163	Front Matter: Volume 10063. Proceedings of SPIE, 2017, , .	0.8	0
164	Optics in Ireland: introduction to the feature issue. Applied Optics, 2018, 57, IRE1.	1.8	0
165	Label Free Ultra-Sensitive Imaging with Sub-Diffraction Spatial Resolution. , 2019, , .		0
166	Effect of Glucose on the Optical Properties of Arterial Blood Using Mie Theory Simulations. , 2005, , .		0
167	Tissue Viability Imaging for Assessment of Microvascular Events. , 2005, , .		0
168	Single point and imaging measurements of the optical clearing process. Proceedings of SPIE, 2007, , .	0.8	0
169	Clinical Characteristics, Treatment and Outcomes for Patients with Myelodysplastic Syndromes and Chromosome 5q Abnormalities in the Republic of Ireland. Blood, 2015, 126, 5258-5258.	1.4	0
170	Feasibility study of phase-sensitive imaging based on multiple reference optical coherence tomography. Chinese Optics Letters, 2017, 15, 090007.	2.9	0
171	Special Section Guest Editorial: Advanced Laser Technologies for Biophotonics. Journal of Biomedical Optics, 2017, 22, 1.	2.6	0
172	Front Matter: Volume 10493. , 2018, , .		0
173	Nano sensitive study and fractal analysis of segmented retinal layers in Fourier domain OCT: promises for early disease detection. , 2019, , .		0
174	Correlation mapping nano-sensitive optical coherence tomography (cm-nsOCT): a novel technique for structural characterization. , 2019, , .		0
175	Optoacoustic guidance for stem cell therapy. , 2019, , .		0
176	Application of over-sampling nano-sensitive optical coherence tomography for monitoring corneal internal structural changes in corneal cross-linking. , 2020, , .		0