Turgut Durduran

List of Publications by Year in descending order

216 papers	8,398 citations	50276 46 h-index	49909 87 g-index
219 all docs	219 docs citations	219 times ranked	4667 citing authors

#	Article	IF	Citations
1	Diffuse correlation spectroscopy for non-invasive, micro-vascular cerebral blood flow measurement. NeuroImage, 2014, 85, 51-63.	4.2	405
2	Diffuse Optical Tomography of Cerebral Blood Flow, Oxygenation, and Metabolism in Rat during Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 911-924.	4.3	381
3	Three-dimensional in vivo fluorescence diffuse optical tomography of breast cancer in humans. Optics Express, 2007, 15, 6696.	3.4	357
4	Diffuse optical measurement of blood flow, blood oxygenation, and metabolism in a human brain during sensorimotor cortex activation. Optics Letters, 2004, 29, 1766.	3.3	311
5	Three-dimensional diffuse optical tomography in the parallel plane transmission geometry: Evaluation of a hybrid frequency domain/continuous wave clinical system for breast imaging. Medical Physics, 2003, 30, 235-247.	3.0	267
6	Diffuse optical tomography of breast cancer during neoadjuvant chemotherapy: A case study with comparison to MRI. Medical Physics, 2005, 32, 1128-1139.	3.0	261
7	Noninvasive Measurement of Cerebral Blood Flow and Blood Oxygenation Using Near-Infrared and Diffuse Correlation Spectroscopies in Critically Brain-Injured Adults. Neurocritical Care, 2010, 12, 173-180.	2.4	255
8	Noninvasive Monitoring of Murine Tumor Blood Flow During and After Photodynamic Therapy Provides Early Assessment of Therapeutic Efficacy. Clinical Cancer Research, 2005, 11, 3543-3552.	7.0	213
9	Validation of diffuse correlation spectroscopy for muscle blood flow with concurrent arterial spin labeled perfusion MRI. Optics Express, 2007, 15, 1064.	3.4	198
10	Diffuse optical correlation tomography of cerebral blood flow during cortical spreading depression in rat brain. Optics Express, 2006, 14, 1125.	3.4	197
11	Diffuse optical tomography with spectral constraints and wavelength optimization. Applied Optics, 2005, 44, 2082.	2.1	192
12	Time-dependent blood flow and oxygenation in human skeletal muscles measured with noninvasive near-infrared diffuse optical spectroscopies. Journal of Biomedical Optics, 2005, 10, 024027.	2.6	192
13	Differentiation of benign and malignant breast tumors by in-vivo three-dimensional parallel-plate diffuse optical tomography. Journal of Biomedical Optics, 2009, 14, 024020.	2.6	189
14	Flexible graphene photodetectors for wearable fitness monitoring. Science Advances, 2019, 5, eaaw7846.	10.3	186
15	Diffuse optical monitoring of blood flow and oxygenation in human breast cancer during early stages of neoadjuvant chemotherapy. Journal of Biomedical Optics, 2007, 12, 051903.	2.6	169
16	Uniqueness and wavelength optimization in continuous-wave multispectral diffuse optical tomography. Optics Letters, 2003, 28, 2339.	3.3	168
17	Spatiotemporal Quantification of Cerebral Blood Flow during Functional Activation in Rat Somatosensory Cortex using Laser-Speckle Flowmetry. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 518-525.	4.3	163
18	Diffuse optical monitoring of hemodynamic changes in piglet brain with closed head injury. Journal of Biomedical Optics, 2009, 14, 034015.	2.6	162

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19	Cerebral hemodynamics in preterm infants during positional intervention measured with diffuse correlation spectroscopy and transcranial Doppler ultrasound. Optics Express, 2009, 17, 12571.	3.4	159
20	Optical measurement of cerebral hemodynamics and oxygen metabolism in neonates with congenital heart defects. Journal of Biomedical Optics, 2010, 15, 037004.	2.6	157
21	Direct measurement of tissue blood flow and metabolism with diffuse optics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4390-4406.	3.4	151
22	Transcranial optical monitoring of cerebrovascular hemodynamics in acute stroke patients. Optics Express, 2009, 17, 3884.	3.4	149
23	Diffuse optical measurement of blood flow in breast tumors. Optics Letters, 2005, 30, 2915.	3.3	143
24	High-resolution mapping of infraslow cortical brain activity enabled by graphene microtransistors. Nature Materials, 2019, 18, 280-288.	27.5	121
25	Noninvasive diffuse optical measurement of blood flow and blood oxygenation for monitoring radiation therapy in patients with head and neck tumors: a pilot study. Journal of Biomedical Optics, 2006, 11, 064021.	2.6	112
26	Epidermal Growth Factor Receptor Inhibition Modulates the Microenvironment by Vascular Normalization to Improve Chemotherapy and Radiotherapy Efficacy. PLoS ONE, 2009, 4, e6539.	2.5	110
27	Speckle contrast optical spectroscopy, a non-invasive, diffuse optical method for measuring microvascular blood flow in tissue. Biomedical Optics Express, 2014, 5, 2769.	2.9	106
28	Real-time In Situ Monitoring of Human Prostate Photodynamic Therapy with Diffuse Light. Photochemistry and Photobiology, 2006, 82, 1279.	2.5	102
29	Towards next-generation time-domain diffuse optics for extreme depth penetration and sensitivity. Biomedical Optics Express, 2015, 6, 1749.	2.9	100
30	Diffraction tomography for biochemical imaging with diffuse-photon density waves. Optics Letters, 1997, 22, 573.	3.3	98
31	Imager that combines near-infrared diffusive light and ultrasound. Optics Letters, 1999, 24, 1050.	3.3	91
32	Optical Bedside Monitoring of Cerebral Blood Flow in Acute Ischemic Stroke Patients During Head-of-Bed Manipulation. Stroke, 2014, 45, 1269-1274.	2.0	78
33	Validation of diffuse correlation spectroscopic measurement of cerebral blood flow using phase-encoded velocity mapping magnetic resonance imaging. Journal of Biomedical Optics, 2012, 17, 037007.	2.6	77
34	Speckle contrast optical tomography: A new method for deep tissue three-dimensional tomography of blood flow. Biomedical Optics Express, 2014, 5, 1275.	2.9	77
35	Pressure modulation algorithm to separate cerebral hemodynamic signals from extracerebral artifacts. Neurophotonics, 2015, 2, 035004.	3.3	70
36	Fast silicon photomultiplier improves signal harvesting and reduces complexity in time-domain diffuse optics. Optics Express, 2015, 23, 13937.	3.4	68

#	Article	IF	Citations
37	Compressed sensing in diffuse optical tomography. Optics Express, 2010, 18, 23676.	3.4	67
38	Broadband (600â€“1350 nm) Time-Resolved Diffuse Optical Spectrometer for Clinical Use. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 406-414.	2.9	66
39	Diffuse Optical Monitoring of the Neoadjuvant Breast Cancer Therapy. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1367-1386.	2.9	61
40	The effects of healthy aging on cerebral hemodynamic responses to posture change. Physiological Measurement, 2010, 31, 477-495.	2.1	60
41	Fluence rate-dependent intratumor heterogeneity in physiologic and cytotoxic responses to Photofrin photodynamic therapy. Photochemical and Photobiological Sciences, 2009, 8, 1683-1693.	2.9	59
42	Continuous Optical Monitoring of Cerebral Hemodynamics During Head-of-Bed Manipulation in Brain-Injured Adults. Neurocritical Care, 2014, 20, 443-453.	2.4	56
43	Early postoperative changes in cerebral oxygen metabolism following neonatal cardiac surgery: Effects of surgical duration. Journal of Thoracic and Cardiovascular Surgery, 2013, 145, 196-205.e1.	0.8	55
44	Noninvasive Cerebral Perfusion Imaging in High-Risk Neonates. Seminars in Perinatology, 2010, 34, 46-56.	2.5	54
45	Hemodynamic responses to antivascular therapy and ionizing radiation assessed by diffuse optical spectroscopies. Optics Express, 2007, 15, 15507.	3.4	51
46	Frequency-domain multiplexing system for in vivo diffuse light measurements of rapid cerebral hemodynamics. Applied Optics, 2003, 42, 2931.	2.1	48
47	Effects of muscle fiber motion on diffuse correlation spectroscopy blood flow measurements during exercise. Biomedical Optics Express, 2010, 1, 500.	2.9	48
48	High-speed multi-exposure laser speckle contrast imaging with a single-photon counting camera. Biomedical Optics Express, 2015, 6, 2865.	2.9	46
49	Mannose-Binding Lectin Promotes Local Microvascular Thrombosis After Transient Brain Ischemia in Mice. Stroke, 2014, 45, 1453-1459.	2.0	45
50	Effects of acetazolamide on the micro- and macro-vascular cerebral hemodynamics: a diffuse optical and transcranial doppler ultrasound study. Biomedical Optics Express, 2010, 1, 1443.	2.9	43
51	BabyLux device: a diffuse optical system integrating diffuse correlation spectroscopy and time-resolved near-infrared spectroscopy for the neuromonitoring of the premature newborn brain. Neurophotonics, 2019, 6, 1.	3.3	43
52	Compact, multi-exposure speckle contrast optical spectroscopy (SCOS) device for measuring deep tissue blood flow. Biomedical Optics Express, 2018, 9, 322.	2.9	41
53	Optically Measured Microvascular Blood Flow Contrast of Malignant Breast Tumors. PLoS ONE, 2014, 9, e99683.	2.5	39
54	Transabdominal near infrared oximetry of hypoxic stress in fetal sheep brain in utero. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12950-12954.	7.1	38

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55	Neurovascular Coupling Varies with Level of Global Cerebral Ischemia in a Rat Model. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 97-105.	4.3	37
56	Blood flow and oxygenation changes due to low-frequency repetitive transcranial magnetic stimulation of the cerebral cortex. Journal of Biomedical Optics, 2013, 18, 067006.	2.6	36
57	Diffuse Optical Measurement of Hemoglobin and Cerebral Blood Flow in Rat Brain During Hypercapnia, Hypoxia and Cardiac Arrest. Advances in Experimental Medicine and Biology, 2003, 510, 293-297.	1.6	35
58	Diffuse Optical Characterization of the Healthy Human Thyroid Tissue and Two Pathological Case Studies. PLoS ONE, 2016, 11, e0147851.	2.5	34
59	Characterization of periinfarct flow transients with laser speckle and Doppler after middle cerebral artery occlusion in the rat. Journal of Neuroscience Research, 2009, 87, 1219-1229.	2.9	33
60	Validation of diffuse correlation spectroscopy against 15O-water PET for regional cerebral blood flow measurement in neonatal piglets. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2055-2065.	4.3	33
61	Toward Noninvasive Characterization of Breast Cancer and Cancer Metabolism with Diffuse Optics. PET Clinics, 2013, 8, 345-365.	3.0	32
62	Early microvascular cerebral blood flow response to head-of-bed elevation is related to outcome in acute ischemic stroke. Journal of Neurology, 2019, 266, 990-997.	3.6	31
63	Liquid phantoms for near-infrared and diffuse correlation spectroscopies with tunable optical and dynamic properties. Biomedical Optics Express, 2018, 9, 2068.	2.9	30
64	Noninvasive characterization of the healthy human manubrium using diffuse optical spectroscopies. Physiological Measurement, 2014, 35, 1469-1491.	2.1	28
65	Algorithms for 3D localization and imaging using near-field diffraction tomography with diffuse light. Optics Express, 1999, 4, 247.	3.4	27
66	Acute Functional Recovery of Cerebral Blood Flow after Forebrain Ischemia in Rat. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1275-1284.	4.3	27
67	Diffuse optical characterization of an exercising patient group with peripheral artery disease. Journal of Biomedical Optics, 2013, 18, 057007.	2.6	27
68	Optical malignancy parameters for monitoring progression of breast cancer neoadjuvant chemotherapy. Biomedical Optics Express, 2013, 4, 105.	2.9	25
69	Computer aided automatic detection of malignant lesions in diffuse optical mammography. Medical Physics, 2010, 37, 1840-1849.	3.0	24
70	Pulsatile and steady-state hemodynamics of the human patella bone by diffuse optical spectroscopy. Physiological Measurement, 2013, 34, 839-857.	2.1	24
71	Blood Flow Reduction in Breast Tissue due to Mammographic Compression. Academic Radiology, 2014, 21, 151-161.	2.5	23
72	Multidistance diffuse correlation spectroscopy for simultaneous estimation of blood flow index and optical properties. Journal of Biomedical Optics, 2015, 20, 055001.	2.6	23

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73	Broadband (550â€“1350â€‰nm) diffuse optical characterization of thyroid chromophores. Scientific Reports, 2018, 8, 10015.	3.3	23
74	Recovery of the diffuse correlation spectroscopy data-type from speckle contrast measurements: towards low-cost, deep-tissue blood flow measurements. Biomedical Optics Express, 2019, 10, 5395.	2.9	23
75	In Vivo, Non-Invasive Characterization of Human Bone by Hybrid Broadband (600-1200 nm) Diffuse Optical and Correlation Spectroscopies. PLoS ONE, 2016, 11, e0168426.	2.5	23
76	Transcranial diffuse optical assessment of the microvascular reperfusion after thrombolysis for acute ischemic stroke. Biomedical Optics Express, 2018, 9, 1262.	2.9	22
77	Non-Invasive Estimation of Intracranial Pressure by Diffuse Optics: A Proof-of-Concept Study. Journal of Neurotrauma, 2020, 37, 2569-2579.	3.4	22
78	Calibration of diffuse correlation spectroscopy blood flow index with venous-occlusion diffuse optical spectroscopy in skeletal muscle. Journal of Biomedical Optics, 2015, 20, 125005.	2.6	21
79	High-density speckle contrast optical tomography (SCOT) for three dimensional tomographic imaging of the small animal brain. NeuroImage, 2017, 153, 283-292.	4.2	21
80	Concurrent measurement of cerebral hemodynamics and electroencephalography during transcranial direct current stimulation. Neurophotonics, 2018, 5, 1.	3.3	21
81	Sodium bicarbonate causes dose-dependent increases in cerebral blood flow in infants and children with single-ventricle physiology. Pediatric Research, 2013, 73, 668-673.	2.3	20
82	Cerebral and systemic physiological effects of wearing face masks in young adults. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
83	Near-field diffraction tomography with diffuse photon density waves. Physical Review E, 2000, 61, 4295-4309.	2.1	19
84	Non-contact scanning diffuse correlation tomography system for three-dimensional blood flow imaging in a murine bone graft model. Biomedical Optics Express, 2015, 6, 2695.	2.9	19
85	Microvascular versus Macrovascular Cerebral Vasomotor Reactivity in Patients with Severe Internal Carotid Artery Stenosis or Occlusion. Academic Radiology, 2014, 21, 168-174.	2.5	18
86	Cerebral oxygenation and blood flow in normal term infants at rest measured by a hybrid near-infrared device (BabyLux). Pediatric Research, 2019, 86, 515-521.	2.3	18
87	Quantification of gold nanoparticle accumulation in tissue by two-photon luminescence microscopy. Nanoscale, 2019, 11, 11331-11339.	5.6	17
88	A low memory cost model based reconstruction algorithm exploiting translational symmetry for photoacustic microscopy. Biomedical Optics Express, 2013, 4, 2813.	2.9	16
89	Time-Domain Functional Diffuse Optical Tomography System Based on Fiber-Free Silicon Photomultipliers. Applied Sciences (Switzerland), 2017, 7, 1235.	2.5	16
90	In vivo time-gated diffuse correlation spectroscopy at quasi-null source-detector separation. Optics Letters, 2018, 43, 2450.	3.3	16

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91	Transcranial diffuse optical monitoring of microvascular cerebral hemodynamics after thrombolysis in ischemic stroke. Journal of Biomedical Optics, 2014, 19, 018002.	2.6	15
92	Recipes for diffuse correlation spectroscopy instrument design using commonly utilized hardware based on targets for signal-to-noise ratio and precision. Biomedical Optics Express, 2021, 12, 3265.	2.9	15
93	In vivo time-domain diffuse correlation spectroscopy above the water absorption peak. Optics Letters, 2020, 45, 3377.	3.3	15
94	The biological effect of contralateral forepaw stimulation in rat focal cerebral ischemia: a multispectral optical imaging study. Frontiers in Neuroenergetics, 2010, 2, .	5.3	14
95	High-density speckle contrast optical tomography of cerebral blood flow response to functional stimuli in the rodent brain. Neurophotonics, 2019, 6, 1.	3.3	14
96	Diffraction tomography for biomedical imaging with diffuse photon density waves:â€ƒerrata. Optics Letters, 1997, 22, 1198.	3.3	13
97	Effects of the instrument response function and the gate width in time-domain diffuse correlation spectroscopy: model and validations. Neurophotonics, 2019, 6, 1.	3.3	13
98	Depth sensitivity of frequency domain optical measurements in diffusive media. Biomedical Optics Express, 2017, 8, 2990.	2.9	12
99	Accuracy and precision of tissue optical properties and hemodynamic parameters estimated by the BabyLux device: a hybrid time-resolved near-infrared and diffuse correlation spectroscopy neuro-monitor. Biomedical Optics Express, 2019, 10, 2556.	2.9	11
100	Towards detection of brain injury using multimodal non-invasive neuromonitoring in adults undergoing extracorporeal membrane oxygenation. Biomedical Optics Express, 2020, 11, 6551.	2.9	11
101	Time-resolved near infrared light propagation using frequency domain superposition. Biomedical Optics Express, 2018, 9, 41.	2.9	10
102	Cerebral oxygenation and blood flow in term infants during postnatal transition: BabyLux project. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F648-F653.	2.8	10
103	Characterization of the microvascular cerebral blood flow response to obstructive apneic events during night sleep. Neurophotonics, 2018, 5, 1.	3.3	10
104	Self-calibrating time-resolved near infrared spectroscopy. Biomedical Optics Express, 2019, 10, 2657.	2.9	10
105	Systematic study of the effect of ultrasound gel on the performances of time-domain diffuse optics and diffuse correlation spectroscopy. Biomedical Optics Express, 2019, 10, 3899.	2.9	10
106	Chemotherapeutic drug-specific alteration of microvascular blood flow in murine breast cancer as measured by diffuse correlation spectroscopy. Biomedical Optics Express, 2016, 7, 3610.	2.9	9
107	Scanning, non-contact, hybrid broadband diffuse optical spectroscopy and diffuse correlation spectroscopy system. Biomedical Optics Express, 2016, 7, 481.	2.9	9
108	Multi-laboratory performance assessment of diffuse optics instruments: the BitMap exercise. Journal of Biomedical Optics, 2022, 27, .	2.6	9

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109	Time resolved speckle contrast optical spectroscopy at quasi-null source-detector separation for non-invasive measurement of microvascular blood flow. Biomedical Optics Express, 2021, 12, 1499.	2.9	8
110	The LUCA device: a multi-modal platform combining diffuse optics and ultrasound imaging for thyroid cancer screening. Biomedical Optics Express, 2021, 12, 3392.	2.9	8
111	Time-resolved diffused optical characterization of key tissue constituents of human bony prominence locations. Proceedings of SPIE, 2015, , .	0.8	7
112	The potential of photoacoustic microscopy as a tool to characterize the in vivo degradation of surgical sutures. Biomedical Optics Express, 2014, 5, 2856.	2.9	6
113	Performance assessment of laser sources for time-domain diffuse correlation spectroscopy. Biomedical Optics Express, 2021, 12, 5351.	2.9	6
114	Low-cost diffuse optical tomography for the classroom. American Journal of Physics, 2012, 80, 876-881.	0.7	5
115	Pre-clinical longitudinal monitoring of hemodynamic response to anti-vascular chemotherapy by hybrid diffuse optics. Biomedical Optics Express, 2017, 8, 2563.	2.9	5
116	Non-invasive and quantitativein vivomonitoring of gold nanoparticle concentration and tissue hemodynamics by hybrid optical spectroscopies. Nanoscale, 2019, 11, 5595-5606.	5.6	5
117	Cerebral vasoreactivity in response to a head-of-bed position change is altered in patients with moderate and severe obstructive sleep apnea. PLoS ONE, 2018, 13, e0194204.	2.5	5
118	Transmission RF diffuse optical tomography instrument for human breast imaging. Proceedings of SPIE, 2007, , .	0.8	4
119	Broadband time-resolved diffuse optical spectrometer for clinical diagnostics: characterization and in-vivo measurements in the 600-1350 nm spectral range. , 2015, , .		4
120	Diffuse correlation tomography in the transport regime: A theoretical study of the sensitivity to Brownian motion. Physical Review E, 2018, 97, 022408.	2.1	4
121	Blood flow response to orthostatic challenge identifies signatures of the failure of static cerebral autoregulation in patients with cerebrovascular disease. BMC Neurology, 2021, 21, 154.	1.8	4
122	Neurodevelopmental profile in children with benign external hydrocephalus syndrome. A pilot cohort study. Child's Nervous System, 2021, 37, 2799-2806.	1.1	4
123	Microvascular cerebral blood flow fluctuations in association with apneas and hypopneas in acute ischemic stroke. Neurophotonics, 2019, 6, 1.	3.3	4
124	Hemodynamic measurements in rat brain and human muscle using diffuse near-infrared absorption and correlation spectroscopies. , 2003, , .		3
125	Noninvasive monitoring hemodynamic responses in RIF tumors during and after PDT. , 2003, , .		3
126	Hardware simulator for optical correlation spectroscopy with Gaussian statistics and arbitrary correlation functions. Optics Express, 2014, 22, 28002.	3.4	3

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127	Microvascular blood flow changes of the abductor pollicis brevis muscle during sustained static exercise. Biomedical Optics Express, 2021, 12, 4235.	2.9	3
128	Longitudinal, transcranial measurement of functional activation in the rat brain by diffuse correlation spectroscopy. Neurophotonics, 2017, 4, 1.	3.3	3
129	Artifact Reduction in CW Transmission Diffuse Optical Tomography. , 2004, , .		3
130	Diffuse Optical Monitoring of Cerebral Oxygen Metabolism at the Bed-Side in Cerebrovascular Disorders. , 2008, , .		3
131	Quantification of muscle oxygenation and flow of healthy volunteers during cuff occlusion of arm and leg flexor muscles and plantar flexion exercise. , 2003, , .		2
132	Diffuse optical monitors for bed-side monitoring of cerebral hemodynamics at the neuro-intensive care unit. , 2009, , .		2
133	Bedside monitoring of cerebral blood flow in the hyper-acute phase of ischemic stroke. , 2014, , .		2
134	Towards next generation time-domain diffuse optics devices. , 2015, , .		2
135	Coherent fluctuations in time-domain diffuse optics. APL Photonics, 2020, 5, 071301.	5.7	2
136	Regularization of diffuse optical tomography images by envelope guided conjugate gradients. , 2004, , .		2
137	Real-time Monitoring of Hemodynamic Changes in Neonatal Pig Brain with Head Trauma Injury. , 2006, , .		2
138	Fiber-based hybrid probe for non-invasive cerebral monitoring in neonatology. Proceedings of SPIE, 2015, , .	0.8	1
139	Time-domain diffuse optics: towards next generation devices. , 2015, , .		1
140	Diffuse Correlation Spectroscopy for Flow Assessment & Management of Acute Ischemic Stroke. , 2012, , .		1
141	Fiber-based hybrid probe for non-invasive cerebral monitoring in neonatology. , 2015, , .		1
142	Blood Flow Response to Orthostatic Challenges in Health and Diseased Populations. , 2016, , .		1
143	Cerebral vasomotor reactivity in micro- and macro-vasculature of patients with severe steno-occlusive internal carotid artery lesions. , 2012, , .		1
144	Broadband Time-Resolved Diffuse Optical Spectrometer for Clinical Diagnostics: Characterization and in-vivo Measurements in the 600-1350 nm spectral range. , 2015, , .		1

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145	Time-resolved diffused optical characterization of key tissue constituents of human bony prominence locations. , 2015, , .		1
146	Long-lasting, liquid phantom for diffuse optical and correlation spectroscopies. , 2016, , .		1
147	Fast in-vivo time-domain diffuse correlation spectroscopy. , 2022, , .		1
148	Diffraction tomography: finite media and simultaneous reconstruction of absorption and scattering coefficients. , 1999, , .		0
149	<title>Combined ultrasound and optical tomography imaging</title>. , 1999, , .		0
150	Hemodynamic measurements in rat brain combining diffuse near-infrared absorption and correlation spectroscopies. , 2002, , .		0
151	Optimizing image reconstruction of tissue blood flow by diffuse correlation tomography. , 2003, , .		0
152	Noninvasive cerebral hemoglobin oxygenation quantification of fetal sheep under hypoxic stress in utero using frequency-domain diffuse optical two-layer model. , 2003, , .		0
153	Spatio-Temporal Quantification of Cerebral Blood Flow During Forepaw Stimulation of the Rat Using Laser Speckle Flowmetry. , 2004, , FE4.		0
154	The effect of obstructive sleep apnea on the cerebral blood flow response to orthostatic stress. , 2014, , .		0
155	Towards non-invasive imaging of surgical suture degradation with photoacoustic microscopy. Proceedings of SPIE, 2015, , .	0.8	0
156	Development and applications of diffuse correlation spectroscopy for non-invasive measurement of blood flow in clinics. , 2016, , .		0
157	Tissue Bulk Optical Properties of Breasts and Phantoms Obtained with Clinical Optical Imager. , 2000, , .		0
158	Optimum wavelengths in continuous-wave multi-spectral diffuse optical tomography. , 2004, , .		0
159	Transabdominal Near-infrared Fetal Brain Oximetry. , 2004, , .		0
160	Diffuse Optical Measurements of Oxygen Metabolism in Human Brain during Sensorimotor Stimulus. , 2004, , .		0
161	In Vivo Three-dimensional Multi-spectral Diffuse Optical Tomography of Breast Cancer. , 2004, , .		0
162	Diffuse optical measurement of cerebral metabolic rate of oxygen in adult brain. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S412-S412.	4.3	0

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163	Development of diffuse correlation techniques for non-invasive measurement of cerebral blood flow and oxygen metabolism in rats. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S413-S413.	4.3	0
164	Functional Imaging of Blood Flow in Brain and in Tumors during Therapy. , 2006, , .		0
165	White light diffuse optical tomography and validation of optimum wavelengths for CW DOT. , 2006, , .		0
166	Assessment of Muscle Vascular Disease with Diffuse Light. , 2006, , .		0
167	Optical Methods for Tissue Hemo-Dynamics and Metabolism. , 2006, , .		0
168	Noise Model for Laser Speckle Contrast Imaging. , 2006, , .		0
169	Neoadjuvant Chemtherapy Monitoring with Diffuse Optical Measurement of Blood Flow in Breast Tumors. , 2006, , .		0
170	Breast Cancer Detection and Characterization using 3D Diffuse Optical Tomography. , 2006, , .		0
171	Non-invasive Measurement of Cerebral Autoregulation of Acute Ischemic Stroke Patients with Diffuse Correlation/Wave Spectroscopy. , 2008, , .		0
172	Noninvasive Diffuse Optical Measurement for Monitoring Hemodynamic Response of Radiation Treatment in Head and Neck Tumors. , 2008, , .		0
173	In Vivo Breast Cancer Characterization and Therapy Monitoring using Diffuse Optical Methods based on Endogenous Optical/Exogenous Fluorescence Contrast. , 2008, , .		0
174	Heat and Cold on the Back Modulate Blood Flow in Distant Skeletal Muscles. Medicine and Science in Sports and Exercise, 2008, 40, S71.	0.4	0
175	Diffuse Optical Measurements of Cerebral Blood Flow and Blood Oxygenation during Head Elevation in Healthy and Brain-Injured Adults. , 2010, , .		0
176	Computer-Aided Detection of Tumors in 3D Tomograms from Diffuse Optical Mammography. , 2010, , .		0
177	Breast Cancer Therapy Monitoring with Diffuse Optical Tomography and Diffuse Correlation Spectroscopy. , 2010, , .		0
178	Near-Infrared, Diffuse-Correlation-Spectroscopy evaluation of cerebral hemodynamics with Acetazolamide challenge in healthy and acute ischemic stroke subjects. , 2010, , .		0
179	Concurrent MRI and Diffuse Correlation & Near-Infrared Spectroscopic Measurement of Cerebral Hemodynamic Response to Hypercapnia and Hyperoxia. , 2010, , .		0
180	Computer Aided Monitoring of Neoadjuvant Chemotherapy for Breast Cancer. , 2012, , .		0

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181	Early Changes in Breast Cancer Blood Flow due to Chemotherapy: Potential Predictor for Therapeutic Efficacy. , 2012, , .		0
182	Microvascular Blood Flow Changes in Human Breast During Simulated Mammography. , 2012, , .		0
183	Bed-side neuro-critical monitoring with hybrid diffuse optics. , 2012, , .		0
184	Speckle contrast optical tomography (SCOT): Reconstructing the three dimensional distribution of blood flow in deep tissues. , 2014, , .		0
185	Quantification of early hemodynamic changes induced by cyclophosphamide on breast cancer xenografts using diffuse optics. , 2014, , .		0
186	Time-domain diffuse optics: towards next generation devices. , 2015, , .		0
187	Towards non-invasive imaging of surgical suture degradation with photoacoustic microscopy. , 2015, , .		0
188	A new method utilizing novel single-photon avalanche diode arrays for multi-exposure laser speckle flowmetry. , 2016, , .		0
189	High density speckle contrast optical tomography for transcranial, three-dimensional imaging of cerebral blood flow in rodents. , 2016, , .		0
190	Concurrent diffuse optical measurement of cerebral hemodynamics and EEG during transcranial direct current stimulation (tDCS) in humans. , 2016, , .		0
191	Cerebral hemodynamic response to an orthostatic challenge in patients with severe obstructive sleep apnea before and after two years of continuous positive air pressure treatment. , 2016, , .		0
192	Diffuse correlation spectroscopy and tomography for longitudinal monitoring of blood flow changes induced by chemotherapy in breast cancer xenografts. , 2016, , .		0
193	A non-contact, small animal scanner based on diffuse optical spectroscopy and diffuse correlation spectroscopy. , 2016, , .		0
194	Measurement of haemodynamics of exercising and non-exercising vastus lateralis muscle with hybrid diffuse optics. , 2016, , .		0
195	In vivo Time domain Broadband (600 -1200 nm) Diffuse Optical Characterization of Human Bone. , 2016, , .		0
196	Characterization of cerebral hemodynamics during obstructive sleep apnea by diffuse optics. , 2016, , .		0
197	Cerebral metabolism and blood flow during bispectral index-controlled, propofol-induced anesthesia assessed by hybrid diffuse optics. , 2016, , .		0
198	Diffuse optical characterization of the human thyroid. , 2016, , .		0

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199	Latest developments in speckle contrast optical tomography (SCOT) for deep tissue blood flow imaging. , 2016, , .		0
200	Evaluation of the temporal auto-correlation function sensitivity to Brownian motion in the radiative transport regime. , 2017, , .		0
201	Diffuse correlation tomography in the transport regime: a theoretical study of the sensitivity to Brownian motion. , 2019, , .		0
202	In vivo time-domain diffuse correlation spectroscopy of the human muscle above 1000 nm. , 2019, , .		0
203	Cloud-based NIRFAST server for tissue parameters recovery: laser and ultrasound co-analyser of thyroid nodules. , 2019, , .		0
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