

# Nisan Ozana

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

305  
citations

933447

10  
h-index

888059

17  
g-index

48  
all docs

48  
docs citations

48  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved noncontact optical sensor for detection of glucose concentration and indication of dehydration level. Biomedical Optics Express, 2014, 5, 1926.	2.9	52
2	Diffuse correlation spectroscopy measurements of blood flow using 1064Ånm light. Journal of Biomedical Optics, 2020, 25, .	2.6	50
3	Demonstration of a Remote Optical Measurement Configuration That Correlates With Breathing, Heart Rate, Pulse Pressure, Blood Coagulation, and Blood Oxygenation. Proceedings of the IEEE, 2015, 103, 248-262.	21.3	36
4	Superconducting nanowire single-photon sensing of cerebral blood flow. Neurophotonics, 2021, 8, 035006.	3.3	30
5	Noncontact speckle-based optical sensor for detection of glucose concentration using magneto-optic effect. Journal of Biomedical Optics, 2016, 21, 065001.	2.6	19
6	Optimization of time domain diffuse correlation spectroscopy parameters for measuring brain blood flow. Neurophotonics, 2021, 8, 035005.	3.3	17
7	Noncontact optical sensor for bone fracture diagnostics. Biomedical Optics Express, 2015, 6, 651.	2.9	15
8	Optical configuration of pigmented lesion detection by frequency analysis of skin speckle patterns. Biomedical Optics Express, 2016, 7, 1003.	2.9	10
9	Optical tissue probing: human skin hydration detection by speckle patterns analysis. Biomedical Optics Express, 2019, 10, 4874.	2.9	10
10	Non-contact photoacoustic imaging using laser speckle contrast analysis. Optics Letters, 2019, 44, 3110.	3.3	10
11	Non-contact optical sensing of vocal fold vibrations by secondary speckle patterns. Optics Express, 2020, 28, 20040.	3.4	9
12	Optical remote sensor for peanut kernel abortion classification. Applied Optics, 2016, 55, 4005.	2.1	8
13	Remote optical sensing in otolaryngology: middle ear effusion detection. Optics Express, 2018, 26, 16187.	3.4	5
14	Diffuse Correlation Spectroscopy Beyond the Water Peak Enabled by Cross-Correlation of the Signals From InGaAs/InP Single Photon Detectors. IEEE Transactions on Biomedical Engineering, 2022, 69, 1943-1953.	4.2	5
15	Remote optical configuration of pigmented lesion detection and diagnosis of bone fractures. , 2016, , .		4
16	Remote photonic sensing of glucose concentration via analysis of time varied speckle patterns. Advanced Materials Letters, 2018, 9, 624-628.	0.6	4
17	Demonstration of a Speckle Based Sensing with Pulse-Doppler Radar for Vibration Detection. Sensors, 2018, 18, 1409.	3.8	3
18	Ultra-fast remote photoacoustic imaging with a non-scanning speckle-based setup. OSA Continuum, 2021, 4, 1135.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Photonic non-contact estimation of blood lactate level. Biomedical Optics Express, 2015, 6, 4144.	2.9	2
20	Remote photonic sensing of cerebral hemodynamic changes via temporal spatial analysis of acoustic vibrations. Journal of Biophotonics, 2020, 13, e201900201.	2.3	2
21	Intraocular pressure remote photonic biomonitoring based on temporally encoded external sound wave stimulation. Journal of Biomedical Optics, 2018, 23, 1.	2.6	2
22	Remote detection of Brillouin radial acoustic modes in an optical fiber using speckle-sensing. , 2018, , .		2
23	Depth estimation of laser glass drilling based on optical differential measurements of acoustic response. Journal of Optics (United Kingdom), 2016, 18, 095402.	2.2	1
24	Remote optical sensor for detection of middle ear effusion. , 2017, , .		1
25	Reducing data acquisition for light-sheet microscopy by extrapolation between imaged planes. Journal of Biophotonics, 2020, 13, e202000035.	2.3	1
26	Optical analysis of facial nerve degeneration in Bell's palsy. OSA Continuum, 2021, 4, 1155.	1.8	1
27	Time Multiplexed Pinholes Array based Imaging in the Gamma and X-ray Spectral Range. , 2016, , .		1
28	An Optical Remote Sensor for Fingerprint Identification using Speckle Pattern. , 2017, , .		1
29	Remote optical sensing of neuronal tissue vibrations during regeneration. , 2020, , .		1
30	Remote optical sensor of blood coagulation, oximetry and dehydration. , 2014, , .		0
31	Non-contact optical sensor for detection of glucose concentration using a magneto-optic effect. , 2016, , .		0
32	Perspective on remote photonic bio-sensing and diagnosis. Applied Physics Letters, 2021, 118, 240503.	3.3	0
33	Self periodically heated-cooled nanostructure for photoacoustic imaging with CW illumination. , 2016, , .		0
34	Laser Vibrometer Interferometry for Speckle Patterns Tracking Systems. , 2017, , .		0
35	Augmentative Alternative Communication using Eyelid Movement Remote Detection by Speckle Patterns Tracking System for Amyotrophic Lateral Sclerosis Disease. , 2017, , .		0
36	Remote optical stethoscope and optomyography sensing device. Proceedings of SPIE, 2017, , .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Nanostructures with periodic heating&#x2014;cooling cycles for photoacoustic imaging using continuous-wave illumination. Journal of Nanophotonics, 2017, 12, 1.	1.0	0
38	All Optical Real Time Method for Laser Speckle Pattern Tracking of Non-Contact Biomedical Parameters. , 2018, , .		0
39	Elasticity and Depth Measurement using Both Secondary Speckle and Time Multiplexing Interference. , 2019, , .		0
40	RF Cross Section Imaging and Range Detection. , 2019, , .		0
41	Improved Non-contact Optical Monitoring of Blood Pulsation in IR using Laser Speckle Contrast Analysis. , 2019, , .		0
42	Photoacoustic Pulse Width Measurement using Speckle Contrast Analysis. , 2019, , .		0
43	Bio-sensor based on multiclass support vector machine with a reject option. , 2019, , .		0
44	Speckle based sensing of chemicals by an acoustic excitation in aqueous solutions. , 2019, , .		0
45	Photonic non-contact tomographic & volumetric tissue probing. , 2020, , .		0
46	Remote thermal sensing of tissues based upon analysis of time-changing back-scattered speckle patterns. , 2020, , .		0
47	Functional Neuroimaging via Diffuse Correlation Spectroscopy at 1064nm. , 2022, , .		0