

Yury V Kistenev

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

302
citations

8
h-index

16
g-index

106
ext. papers

477
ext. citations

1.9
avg, IF

3.13
L-index

#	Paper	IF	Citations
52	Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. <i>Progress in Quantum Electronics</i> , 2018 , 62, 1-77	9.1	113
51	LaserBreeze gas analyzer for noninvasive diagnostics of air exhaled by patients. <i>Physics of Wave Phenomena</i> , 2014 , 22, 189-196	1.2	18
50	Label-Free Non-linear Multimodal Optical Microscopy Basics, Development, and Applications. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	16
49	Exhaled air analysis using wideband wave number tuning range infrared laser photoacoustic spectroscopy. <i>Journal of Biomedical Optics</i> , 2017 , 22, 17002	3.5	15
48	Analysis of Collagen Spatial Structure Using Multiphoton Microscopy and Machine Learning Methods. <i>Biochemistry (Moscow)</i> , 2019 , 84, S108-S123	2.9	13
47	Screening of patients with bronchopulmonary diseases using methods of infrared laser photoacoustic spectroscopy and principal component analysis. <i>Journal of Biomedical Optics</i> , 2015 , 20, 065001	3.5	11
46	Application of multiphoton imaging and machine learning to lymphedema tissue analysis. <i>Biomedical Optics Express</i> , 2019 , 10, 3353-3368	3.5	10
45	Malignant and benign thyroid nodule differentiation through the analysis of blood plasma with terahertz spectroscopy. <i>Biomedical Optics Express</i> , 2021 , 12, 1020-1035	3.5	9
44	Paraffin-Embedded Prostate Cancer Tissue Grading Using Terahertz Spectroscopy and Machine Learning. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020 , 41, 1089-1104	2.2	8
43	Laser spectroscopy and chemometric study of the specific features of air exhaled by patients with lung cancer and chronic obstructive pulmonary disease. <i>Physics of Wave Phenomena</i> , 2014 , 22, 210-215	1.2	7
42	A nanosecond optical parametric oscillator in the mid-IR region with double-pass pump. <i>Instruments and Experimental Techniques</i> , 2012 , 55, 263-267	0.5	6
41	Applications of principal component analysis to breath air absorption spectra profiles classification 2015 ,		6
40	Diagnosis of Diabetes Based on Analysis of Exhaled Air by Terahertz Spectroscopy and Machine Learning. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2020 , 128, 809-814	0.7	5
39	The system for dehumidification of samples in laser gas analysis. <i>Atmospheric and Oceanic Optics</i> , 2012 , 25, 92-95	0.8	4
38	Optical parametric oscillator within 2.4-3.3 μm pumped with a nanosecond Nd:YAG Laser. <i>Atmospheric and Oceanic Optics</i> , 2012 , 25, 77-81	0.8	4
37	Analysis of the absorption spectra of gas emission of patients with lung cancer and chronic obstructive pulmonary disease by laser optoacoustic spectroscopy 2013 ,		4
36	Diagnosis of oral lichen planus from analysis of saliva samples using terahertz time-domain spectroscopy and chemometrics. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-8	3.5	4

35	Laser photoacoustic spectroscopy applications in breathomics. <i>Journal of Biomedical Photonics and Engineering</i> , 2019 , 5, 010303	2.4	4
34	Label-free multimodal nonlinear optical microscopy for biomedical applications. <i>Journal of Applied Physics</i> , 2021 , 129, 214901	2.5	4
33	Broadband tunable source of mid-IR laser radiation for photoacoustic spectroscopy. <i>Quantum Electronics</i> , 2019 , 49, 29-34	1.8	3
32	Determination of component concentrations in models of exhaled air samples using principal component analysis and canonical correlation analysis 2015 ,		3
31	Classification of patients with broncho-pulmonary diseases based on analysis of absorption spectra of exhaled air samples with SVM and neural network algorithm application 2016 ,		3
30	Modeling of IR laser radiation propagation in bio-tissues 2019 ,		3
29	CREATION OF A MAGNETIC DRIVEN GATE FOR THZ RAYS. <i>Progress in Electromagnetics Research M</i> , 2019 , 80, 103-109	0.6	2
28	Wavelet based de-noising of breath air absorption spectra profiles for improved classification by principal component analysis 2015 ,		2
27	Investigation of the interaction of femtosecond laser radiation with biotissues by the optoacoustic method. <i>Russian Physics Journal</i> , 2010 , 53, 521-525	0.7	2
26	Fractal properties of the vibrational-rotational absorption bands of water vapor. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2001 , 90, 362-366	0.7	2
25	Medical diagnosis using NIR and THz tissue imaging and machine learning methods 2019 ,		2
24	Applications of THz laser spectroscopy and machine learning for medical diagnostics. <i>EPJ Web of Conferences</i> , 2018 , 195, 10006	0.3	2
23	Diagnostics of oral lichen planus based on analysis of volatile organic compounds in saliva 2017 ,		1
22	Diagnostics of bronchopulmonary diseases through Mahalanobis distance-based absorption spectral analysis of exhaled air. <i>Frontiers of Optoelectronics</i> , 2015 , 8, 183-186	2.8	1
21	The classification of the patients with pulmonary diseases using breath air samples spectral analysis 2016 ,		1
20	Experimental Studies of the Effectiveness of Radio-Frequency Myocardial Ablation Using Irrigated and Dry Penetrating Active Electrodes. <i>Bio-Medical Engineering</i> , 2016 , 50, 245-248	0.5	1
19	Use of Terahertz Spectroscopy for in vivo Studies of Lymphedema Development Dynamics. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019 , 126, 523-529	0.7	1
18	Noninvasive express diagnostics of pulmonary diseases based on control of patient's gas emission using methods of IR and terahertz laser spectroscopy 2013 ,		1

17	Comparison of classification methods used for analysis of complex biological gas mixtures by means of laser spectroscopy 2015 ,		1
16	Estimate of lacunarity of vibrational-rotational absorption spectra of water vapor. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2003 , 95, 46-48	0.7	1
15	Soliton formation in a resonant amplifying-absorbing medium. <i>Quantum Electronics</i> , 1999 , 29, 894-898	1.8	1
14	Imitation of optical coherence tomography images by wave Monte Carlo-based approach implemented with the Leontovich-Bock equation. <i>Optical Engineering</i> , 2020 , 59, 1	1.1	1
13	Application of machine learning and laser optical-acoustic spectroscopy to study the profile of exhaled air volatile markers of acute myocardial infarction. <i>Journal of Breath Research</i> , 2021 , 15,	3.1	1
12	Breath air measurement using wide-band frequency tuning IR laser photo-acoustic spectroscopy 2016 ,		1
11	Research on lymphedema by method of high-resolution multiphoton microscopy. <i>Journal of Physics: Conference Series</i> , 2019 , 1145, 012043	0.3	0
10	Digital Technologies in Providing Development of Algorithms Surgical Treatment of Supraventricular Arrhythmias. <i>MATEC Web of Conferences</i> , 2016 , 79, 01063	0.3	
9	CS-SFD ALGORITHM FOR GNSS ANTI-JAMMING RECEIVERS. <i>Progress in Electromagnetics Research M</i> , 2019 , 79, 91-100	0.6	
8	Soliton formation processes in optically dense media. <i>Russian Physics Journal</i> , 1994 , 37, 997-1000	0.7	
7	Anisotropy of inhomogeneous resonant media during transient interaction with optical pulses. <i>Russian Physics Journal</i> , 1994 , 37, 780-783	0.7	
6	Interaction of electromagnetic waves with fractal structures. <i>Russian Physics Journal</i> , 1993 , 36, 955-964	0.7	
5	Distortion of the space-time characteristics of short optical pulses due to refraction in atmospheric absorption lines. <i>Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika)</i> , 1987 , 30, 660-663		
4	Breathomics for Lung Cancer Diagnosis 2020 , 209-243		
3	Multiphoton Excitation Microscopy for Identification and Operational Control of Extracellular Matrix Components of Body Tissues. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2020 , 128, 794-798	0.7	
2	Predictive potential of cardiovascular risk factors and their associations with arterial stiffness in people of European and Korean ethnic groups. <i>Russian Journal of Cardiology</i> , 2021 , 26, 4230	1.3	
1	Morphological changes in the skin and subcutaneous tissue during the creation of an experimental model of lymphedema on the hind limb of a white rat. <i>Voprosy Rekonstruktivnoj I Plasticheskoy Hirurgii</i> , 2022 , 25, 40-52		