

Yuriy Ya Tomka

List of Publications by Year in descending order

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28
papers

349
citations

1040056

9
h-index

1058476

14
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28
all docs

28
docs citations

28
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of 2D Mueller matrix structure of biological tissues for pre-clinical diagnostics of their pathological states. Journal Physics D: Applied Physics, 2005, 38, 4227-4235.	2.8	69
2	Polarization singularities of biological tissues images. Journal of Biomedical Optics, 2006, 11, 054030.	2.6	57
3	Polarization-correlation mapping of biological tissue coherent images. Journal of Biomedical Optics, 2005, 10, 064025.	2.6	40
4	Laser diagnostics of anisotropy in birefringent networks of biological tissues in different physiological conditions. Quantum Electronics, 2011, 41, 170-175.	1.0	38
5	Diagnostics of optical anisotropy changes in biological tissues using Müller matrix. Quantum Electronics, 2011, 41, 273-277.	1.0	34
6	Complex degree of mutual anisotropy of biological liquid crystals nets. Optical Engineering, 2011, 50, 039001.	1.0	26
7	Complex degree of mutual anisotropy of extracellular matrix of biological tissues. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2011, 110, 814-819.	0.6	24
8	Wavelet-analysis for Laser Images of Blood Plasma. Advances in Electrical and Computer Engineering, 2011, 11, 55-62.	0.9	17
9	<title>2-D tomography of biotissue images in pre-clinic diagnostics of their pre-cancer states</title>. , 2005, , .		12
10	Polarization selection of two-dimensional phase-inhomogeneous birefringence images of biotissues. Proceedings of SPIE, 2009, , .	0.8	9
11	Polarization-singular structure of laser images of stratified phase-inhomogeneous layers for the diagnostics and classification of their optical properties. Optical Memory and Neural Networks (Information Optics), 2011, 20, 59-70.	1.0	4
12	Statistical and Fractal Processing of Phase Images of Human Biological Fluids. Advances in Electrical and Computer Engineering, 2010, 10, 161-166.	0.9	4
13	<title>Fractal structure of biotissue polarization properties</title>. , 2005, 5972, 163.		2
14	Metrology of biological tissue coherent images by means of estimation of complex degree of mutual polarization. , 2007, , .		2
15	<title>Wavelet analysis of biological tissue's Mueller-matrix images</title>. , 2008, , .		2
16	The degree of mutual correlation of coordinate distributions of Mueller matrix elements biological tissues and diagnostics of their physiological state. Proceedings of SPIE, 2009, , .	0.8	2
17	Laser metrology of biological crystals singular structure. Proceedings of SPIE, 2009, , .	0.8	2
18	The interconnection between the coordinate distribution of Mueller-matrixes images characteristics values of biological liquid crystals net and the pathological changes of human tissues. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	Polarization-singular Processing of Phase-inhomogeneous Layers Laser Images to Diagnose and Classify their Optical Properties. Advances in Electrical and Computer Engineering, 2011, 11, 3-10.	0.9	2
20	<title>Laser polarization selection of two-dimensional birefringence images</title>. , 2005, , .		1
21	<title>Complex degree of mutual polarization for biological tissue coherent images</title>. , 2006, , .		0
22	<title>Mueller-matrix reconstruction of biological tissue architectonics</title>. , 2006, , .		0
23	<title>Polarization speckle-reconstruction of biological tissues architectonics: Part 1. Polarization correlometry of birefringence architectonics: singular approach</title>. , 2007, , .		0
24	<title>Polarization phase reconstruction of biological tissue architectonics: Part 3. Polarizing-correlative processing of images of statistical objects in the problem of visualization and topology reconstruction of their phase heterogeneity</title>. , 2007, , .		0
25	<title>Polarization phase reconstruction of biological tissue architectonics: Part 2. Study of polarizing intercorrelative function of coherent images of phase-inhomogeneous layer anisotropy</title>. , 2007, , .		0
26	<title>Polarization phase reconstruction of biological tissue architectonics: Part 4. Coherent introscopy of phase-inhomogeneous surface and layers</title>. , 2007, , .		0
27	<title>Fractal structure of biological tissue polarization images</title>. Proceedings of SPIE, 2008, , .	0.8	0
28	Mueller-matrixes tomography of phase inhomogeneous layers. , 2010, , .		0