

# Halyna D Koval

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

179  
citations

1163117

8  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mueller-matrix of laser-induced autofluorescence of polycrystalline films of dried peritoneal fluid in diagnostics of endometriosis. Journal of Biomedical Optics, 2016, 21, 071116.	2.6	36
2	The singular approach for processing polarization-inhomogeneous laser images of blood plasma layers. Journal of Optics (United Kingdom), 2013, 15, 044030.	2.2	24
3	Transcription regulatory factor expression in T-helper cell differentiation pathway in eutopic endometrial tissue samples of women with endometriosis associated with infertility. Central-European Journal of Immunology, 2018, 43, 90-96.	1.2	22
4	Melatonin decreases and cytokines increase in women with placental insufficiency. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 373-378.	1.5	18
5	Expression and Significance of Matrix Metalloproteinase-2 and Matrix Metalloproteinase-9 in Endometriosis. Journal of Medicine and Life, 2020, 13, 314-320.	1.3	18
6	Mueller-matrix mapping of optically anisotropic fluorophores of biological tissues in the diagnosis of cancer. Quantum Electronics, 2014, 44, 785-790.	1.0	15
7	Mueller-matrices polarization selection of two-dimensional linear and circular birefringence images. , 2013, , .		11
8	CLASSIFYING OPTICAL PROPERTIES OF SURFACE- AND BULK-SCATTERING BIOLOGICAL LAYERS WITH POLARIZATION SINGULAR STATES. Journal of Innovative Optical Health Sciences, 2013, 06, 1350018.	1.0	10
9	Laser polarization-variable autofluorescence of the network of optically anisotropic biological tissues: Diagnostics and differentiation of early stages of cancer of cervix uteri. Journal of Innovative Optical Health Sciences, 2014, 07, 1450024.	1.0	9
10	Fractal structure of optical anisotropy Mueller-matrices images of biological layers. Proceedings of SPIE, 2013, , .	0.8	5
11	System of space-frequency filtering of linear and circular birefringence in cancer diagnosis. , 2013, , .		4
12	Laser polarization fluorescence of the networks of optically anisotropic biological crystals. Proceedings of SPIE, 2013, , .	0.8	3
13	Multiparameter correlation microscopy of blood plasma polycrystalline networks in the diagnosis of cancer tissues of female reproductive system. Proceedings of SPIE, 2013, , .	0.8	2
14	ANALYSIS OF CYTOARCHITECTONICS OF TLR2 <sup>+</sup> AND TLR4 <sup>+</sup> LYMPHOCYTES AND TRANSCRIPTIONAL ACTIVITY OF THE GENES <i>Gp2</i> , <i>Spi-B</i> , <i>Nf-<math>\kappa</math>B1</i> , <i>N•REL</i> , <i>TNF<math>\alpha</math></i> AND <i>TNFr</i> IN GALT OF RATS IN EXPERIMENTAL DIABETES MELLITUS AND AFTER PENTOXIFYLLINE ADMINISTRATION. Medical Immunology (Russia), 2019, 21, 821-834.	0.4	2
15	Mueller-matrix differential diagnosis of biological crystallites phase anisotropy. , 2013, , .		0
16	Polarization correlometry of birefringence images of human blood layers. Proceedings of SPIE, 2013, , .	0.8	0
17	Laser system of the autofluorescence polarimetry of cytological layers at an early stage of cancer detection. , 2014, , .		0
18	Salmonella-Induced Changes in Immunoregulatory Bacteria and the Impact on Transcriptional Activity of the <i>Foxp3</i> and <i>Roryt</i> genes in Rat GALT. Journal of Allergy and Clinical Immunology, 2020, 145, AB121.	2.9	0

#	ARTICLE	IF	CITATIONS
19	3D Mueller-matrix mapping of biological optically anisotropic networks. , 2018, , .		0
20	Salmonella-induced changes in the level of key immunoregulatory bacteria affect the transcriptional activity of the <i>Foxp3</i> and <i>RORgt</i> genes in the gut-associated lymphoid tissue of rats. Russian Journal of Infection and Immunity, 2020, 10, 671-685.	0.7	0