

Publicații la conferințe din RM - **6**. Publicații peste hotare - **8**.
Publicații indexate în SCOPUS - **9**. Teze/Rezumate în culegeri - **4**.

2022 - 1

The Anisotropy of Light Propagation in Biological Tissues

Akimova Elena, Abashkin Vladimir, Cazac Veronica, Prisakar Alexandr, Mashalkin A., Loshmansky Constantin

Institute of Applied Physics

IFMBE Proceedings. 5th International Conference on Nanotechnologies and Biomedical Engineering

Nr. 1-2(271) / 2014 / ISSN 1857-4300 / ISSN-e 2587-3717

Disponibil online 31 January, 2022. Descarcări-0. Vizualizări-382

2021 - 4

Characterization of polarization holographic gratings obtained on azopolymer thin films by digital holographic microscopy

Cazac Veronica^{1,2}, Loshmansky Constantin¹, Akimova Elena¹, Meshalkin Alexei¹, Abashkin Vladimir¹, Podlipnov Vladimir³

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² University of Tampere,

³ Samara National Research University

Journal of Biomedical Photonics and Engineering

Nr. 3(7) / 2021 / ISSN 2411-2844

Disponibil online 18 November, 2021. Descarcări-2. Vizualizări-306

Improved 3D imaging of phase shifting digital holographic microscope by compensation for wavefront distortion

Cazac Veronica^{1,2}

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Journal of Physics: Conference Series

Nr. 1(161) / 2013 / ISSN 1957-2294

Disponibil online 4 April, 2021. Descarcări-3. Vizualizări-269

Polarization holographic recording of vortex diffractive optical elements on azopolymer thin films and 3D analysis via phase-shifting digital holographic microscopy

Cazac Veronica^{1,2}, Akimova Elena¹, Abashkin Vladimir¹, Prisakar Alexandr¹, Loshmansky Constantin¹, Meshalkin Alexei¹, Egiazarian Karen O.²

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Optics Express

Nr. 6(29) / 2021 / ISSN 1094-4087

Disponibil online 30 March, 2021. Descarcări-2. Vizualizări-402

The Anisotropy of Light Propagation in Biological Tissues

Akimova Elena, Abashkin Vladimir, Cazac Veronica, Prisakar Alexandr, Mashalkin A., Loshmansky Constantin

Institute of Applied Physics

Nanotechnologies and Biomedical Engineering

Nr. 9(1) / 2012 / ISSN 1857-4114 / ISSN 2537-6438

Disponibil online 16 November, 2021. Descarcări-1. Vizualizări-441

2020 - 3

Analysis of diffraction efficiency of phase gratings in dependence of grooves number

Meshalkin Alexei¹, Loshmansky Constantin¹, Cazac Veronica¹, Akimova Elena¹, Podlipnov Vladimir²

¹ Institute of Applied Physics,

² Samara National Research University

Conference on Information Technology and Nanotechnology ITNT 2020

Nr. 2(25) / 2004 / ISSN 1812-2566 / ISSN 2587-4063

Disponibil online 30 December, 2020. Descarcări-0. Vizualizări-418

Pixel-wise calibration of the spatial light modulator

Cazac Veronica^{1,2}, Akimova Elena¹, Katkovnik Vladimir², Shevkunov Igor², Egiazarian Karen O.²

¹ Institute of Applied Physics,

² University of Tampere

Optics InfoBase Conference Papers

Nr. 2(162) / 2013 / ISSN 1957-2294

Disponibil online 1 June, 2021. Descarcări-0. Vizualizări-341

Spiral illumination applied for extended performance of the digital holographic microscope

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² Tampere University of Technology

Tendințe contemporane ale dezvoltării științei: viziuni ale tinerilor cercetători

Nr. 1 / 2006 / ISSN 1810-7141

Disponibil online 31 October, 2020. Descarcări-6. Vizualizări-506

2019 - 1

Analiza variației rezistenței elementelor de construcții din beton armat supuse impactului termic în cazurile unor posibile incendii

Cazac Oleg¹, Cazac Veronica²

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² Universitatea de Stat „Dimitrie Cantemir”

Protecție, pază și securitate - amenințări și soluții

Nr. 4(76) / 2014 / ISSN 1810-9551

Disponibil online 12 May, 2022. Descarcări-2. Vizualizări-308

Application of Bessel wave for digital holographic microscopy

Cazac Veronica, Akimova Elena

State University „Dimitrie Cantemir”

Tendințe contemporane ale dezvoltării științei: viziuni ale tinerilor cercetători

Nr. 3(51) / 2006 / ISSN 1813-8489

Disponibil online 11 July, 2018. Descarcări-2. Vizualizări-658

Noise minimizing by harmonic phase diffraction gratings in off-axis lensless digital holography

Cazac Veronica¹, Akimova Elena¹, Abashkin Vladimir¹, Meshalkin Alexei¹, Shevkunov Igor², Katkovnik Vladimir²

¹ Institute of Applied Physics,

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Proceedings of SPIE - The International Society for Optical Engineering

Nr. 3(24) / 2012 / ISSN 1857-1328

Disponibil online 27 August, 2021. Descarcări-0. Vizualizări-402

Recording of superimposed relief gratings on carbazole-based azopolymer

Meshalkin Alexei, Loshmansky Constantin, Cazac Veronica, Abashkin Vladimir, Akimova Elena

Institute of Applied Physics

Materials Science and Condensed Matter Physics

Nr. 4(64) / 2008 / ISSN 1810-9136

Disponibil online 13 February, 2019. Descarcări-8. Vizualizări-749

Surface relief and refractive index gratings patterned in chalcogenide glasses and studied by off-axis digital holography

Cazac Veronica¹, Meshalkin Alexei¹, Akimova Elena¹, Abashkin Vladimir¹, Katkovnik Vladimir², Shevkunov Igor^{3,2}, Claus Daniel⁴, Giancarlo Pedrini⁴

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Applied Optics

Nr. 3(57) / 2018 / ISSN 1559-128X

Disponibil online 23 February, 2018. Descarcări-0. Vizualizări-912

Surface topography studied by off-axis digital holography

Akimova Elena¹, Abashkin Vladimir¹, Cazac Veronica¹, Meshalkin Alexei¹, Giancarlo Pedrini², Claus Daniel², Shevkunov Igor³, Katkovnik Vladimir³

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Optics InfoBase Conference Papers

Nr. 4/2(268) / 2014 / ISSN 2587-4365 / ISSN 2587-4373

Disponibil online 7 January, 2022. Descarcări-0. Vizualizări-336

2017 - 2

Influence of thickness and polarization on diffraction efficiency of direct patterned diffraction gratings in carbazole-based azopolymer films

Loshmansky Constantin¹, Meshalkin Alexei¹, Akimova Elena¹, Abashkin Vladimir¹, Prisakar Alexandr¹, Cazac Veronica¹, Pogrebnoi Serghei², Makaev Fliur²

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Microelectronics and Computer Science

// ISSN -

Disponibil online 23 October, 2017. Descarcări-8. Vizualizări-1017

Phase Grating Application for Digital Holographic Imaging

Meshalkin Alexei¹, Cazac Veronica¹, Shevkunov Igor², Akimova Elena¹, Abashkin Vladimir¹, Katkovnik Vladimir²

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Microelectronics and Computer Science

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Disponibil online 27 October, 2017. Descarcări-4. Vizualizări-744

2016 - 1

Application of diffraction gratings for phase imaging enhancement in digital holographic microscopy

Meshalkin Alexei¹, Cazac Veronica¹, Akimova Elena¹, Abashkin Vladimir¹, Shevkunov Igor², Katkovnik Vladimir³

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³ Tampere University of Technology

Health Technology Management 3rd International Conference

Nr. 1(43) / 2009 / ISSN 1810-9551

Disponibil online 1 April, 2019. Descarcări-3. Vizualizări-785

2010 - 1

Aplicarea monotoniei stricte a funcției la rezolvarea ecuațiilor și inecuațiilor

Cazac Veronica

Liceul Academiei de Științe din Moldova

Spre viitor

// ISSN -

Disponibil online 2 October, 2021. Descarcări-11. Vizualizări-320
