

DOC 2020

Accepted Abstracts for DOC 2020			
Section	Name	Surname	Title
Vision science	Kristine	Kalnica Dorosenko	Amblyopia and eccentric fixation
Laser physics and spectroscopy	Vitali	Vitali	DENSITY OF QUANTUM STATES IN PERIODICAL STRUCTURES
Vision science	Karola	Panke	What additional information about near triad we can acknowledge if during clinical measurement of accommodation reserves the objective response is tracked?
Laser physics and spectroscopy	Yuliya	Osika	Theoretical insights into the electronic structure and low-lying states of the RaCl molecule promising for laser cooling
Biophotonics	Valts	Liepins	Something
Biophotonics	Alla	Tereshchenko	Development of New Optical Immunosensors Based on Photoluminescence TiO ₂ nanostructures
Biophotonics	Edgars	Kviesis	Development of the multimodal laser device for skin diagnostics
Laser physics and spectroscopy	Darya	Meniailava	Computational and experimental studies on structural and spectral properties of some diphenoxyadamantane alkylamine derivative
Laser physics and spectroscopy	Lase	Milgrave	Whispering gallery mode microresonator as a humidity sensor
Laser physics and spectroscopy	Valts	Krumins	Analysis of oscillation structure in bound-free c(3)Sigma+ - a(3)Sigma+ transitions of KCs
Laser physics and spectroscopy	Ilze	Klincare	The first excited states of K ₂ revisited: first results
Laser physics and spectroscopy	Tatsiana	Puliak	Ab initio calculations of the low-lying states of the KFr molecule
Vision science	Mehrdad	Naderi	Assessment of user cognitive responses when viewing virtual 3D images and volumetric 3D images
Vision science	Sergejs	Fomins	Mimicing the natural light with RGBW and RAGB primaries light sources
Optical materials and phenomena	Aija	Kalnina	Persistent luminescence of Mn ²⁺ doped MgGeO ₃
Optical materials and phenomena	Margarita Anna	Zommere	Optical studies of diphenylsulfone and benzophenone derivatives as TADF compounds
Laser physics and spectroscopy	Pavel	Chareichyk	Ab initio multi-reference perturbation theory study on the LiFr molecule
Optical materials and phenomena	Janis	Cipa	Doped AlN ceramics characterization by thermoluminescence technique
Laser physics and spectroscopy	Darya	Kisuryna	CALCULATION OF THE 2D PES FOR THE MOLECULES OF COMMON FORMULA XYZYX: IMPORTANCE OF A SYMMETRY ACCOUNTING
Laser physics and spectroscopy	Viktoryia	Zhautok	COMPARISON OF THE BARRIERS TO INTERNAL ROTATION IN THE HOCH ₂ OH, HOOOH, HOSOH AND HSSSH MOLECULES
Vision science	Linda	Krauze	The effect of target shape on the quality of ocular fixation
Vision science	Zane	Agarelova	Reaction time measurement in perception of camouflage
Vision science	Viktorija	Andriksone	Volumetric image viewing strategies of medical professionals
Laser physics and spectroscopy	Roberts	Berkis	PMMA WGM microsphere resonator quality factor measurements using video recognition, temperature changes and fixed wavelenght
Laser physics and spectroscopy	Kristians	Draguns	Computer simulation of the effects of added zinc oxide nanolayer to wgm microresonators
Optical materials and phenomena	Arturs	Bundulis	Determination of Kerr effect origins by Z-scan polarization measurements
Optical materials and phenomena	Patricija	Paulsone	Determination of light amplifying properties of red light emitting chromophores in thin films
Optical materials and phenomena	Natālija	Tetervenoka	Optical and electroluminescence properties of Ir(ppy) ₃ molecular glasses in different hosts
Vision science	Ibrahim	Musayev	Accommodation response to stimuli of various contrast
Laser physics and spectroscopy	Maris	Tamanis	Intensity distribution in transitions from the A-b complex to singlet and triplet ground states in RbCs
Laser physics and spectroscopy	Artis	Kruzins	New spectroscopic data on the c3Σ+ state of KCs
Optical materials and phenomena	Haralds	Abolins	Taking a Closer Look at Metal Halide Perovskites for High-Performance Solar Cells
Laser physics and spectroscopy	Arina	Khrapunova	THIOL GROUPS TORSIONAL VIBRATIONS IN THE HSSSH MOLECULE
Biophotonics	Rihards	Ruska	Luminescence of AlN:Mn powders
Vision science	Renars	Truksa	Computerized FM-100 colour test
Vision science	Varis	Karitans	Phase retrieval of vitreous floaters in simulations
Laser physics and spectroscopy	Yaraslau	Zubrytski	Tops torsional vibrations in methyl hydroperoxide
Optical materials and phenomena	Daina	Dambergā	Photoelectrochemical properties of ZnO/PDA nanostructures