
PREDA LILIANA

<https://www.webofscience.com/wos/author/rid/S-4390-2019>

Web of Science ResearcherID: [S-4390-2019](#)

Current affiliations:

- Polytechnic University of Bucharest
- Polytechnic University of Bucharest

Publications

For manuscripts published from date range January 2014 - December 2024 (19)

HYDROGEN-LIKE ATOMS AND SPECTRA: SPECIAL QUANTUM STATES AND MAXIMUM RELATIVE INTENSITY LINE OF ITS MULTIPLY

Authors (3): Constantin, Diana R.; Preda, Liliana; Rushton, Mark

Published: 2023 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

FAST THEOREMS TO IDENTIFY THE MULTIPLY PEAKS AND THE LINK TO THE FACTOR EQUIVALENT TO RYDBERG'S CONSTANT FOR H-I

Authors (3): Constantin, Diana R.; Preda, Liliana; Rushton, Mark

Published: 2023 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

PHASE RETRIEVAL FOR OPTICAL BEAMS WITH 1-DIMENSIONAL TRANSVERSE DOMAIN

Authors (2): Palea, Victor-Cristian; Preda, Liliana

Published: 2022 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

PYPARAX - PYTHON MODULE FOR OPTICAL SETUP SIMULATION IN PARAXIAL APPROXIMATION

Authors (2): Palea, Victor-Cristian; Preda, Liliana

Published: 2022 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

OPTICAL SYSTEM OPTIMIZATION FOR PHASE RETRIEVAL USING A GENETIC ALGORITHM APPROACH

Authors (2): Palea, Victor-Cristian; Preda, Liliana

Published: 2022 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

Construction of finite non-diffractive and self-accelerating laser beams

Authors (2): Palea, Victor-Cristian; Preda, Liliana

Published: Sep 2021 in Mathematical Methods in the Applied Sciences

DOI: 10.1002/MMA.7478

Wintertime Variations of Gaseous Atmospheric Constituents in Bucharest Peri-Urban Area

Authors (8): Marin, Cristina Antonia; Marmureanu, Luminita ... Antonescu, Bogdan

Published: Aug 2019 in Atmosphere

DOI: 10.3390/ATMOS10080478

The control of intensity peak dynamics for paraxial waves

Authors (2): Palea, Victor-Cristian; Preda, Liliana A.

Published: Apr 2019 in Journal of Engineering Mathematics

DOI: 10.1007/S10665-019-09993-7

ISOTIMIC CURVES FOR DESCRIPTION AND CONTROL OF INTENSITY PROFILE DYNAMICS OF SOLUTIONS TO THE PARAXIAL WAVE EQUATION

Authors (2): Palea, Victor-Cristian; Preda, Liliana

Published: 2019 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

BIOMASS BURNING AEROSOLS CHARACTERIZATION FROM GROUND BASED AND PROFILING MEASUREMENTS

Authors (6): Marin, Cristina; Vasilescu, Jeni ... Mihailescu, Mona

Published: Apr 2018 in EPJ Web of Conferences

DOI: 10.1051/EPJCONF/201817608013

Laser fabrication of diffractive optical elements based on detour-phase computer-generated holograms for two-dimensional Airy beams

Authors (4): Calin, Bogdan-Stefanita; Preda, Liliana ... Zamfirescu, Marian

Published: Feb 2018 in Applied Optics

DOI: 10.1364/AO.57.001367

MULTIFRACTAL CROSS CORRELATION ANALYSIS BETWEEN AEROSOLS AND METEOROLOGICAL DATA

Authors (6): Marin, C.; Stan, C. ... Cristescu, C. P.

Published: 2018 in Romanian Journal in Physics

Splitting and accelerating Gaussian beam modulated by Mittag Leffler function

Published: Feb 2016 in Optik - International Journal for Light and Electron Optics

DOI: 10.1016/J.IJLEO.2015.10.103

PLANETARY BOUNDARY LAYER INVESTIGATION FROM LIDAR MEASUREMENTS OVER BUCHAREST

Authors (4): Dandocsi, Alexandru; Preda, Liliana ... Nemuc, Anca

Published: 2016 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics

Diffraction patterns from holographic masks generated using combined axicon and helical phase distributions

Authors (4): Mihailescu, M.; Preda, L. ... Scarlat, E. I.

Published: Feb 2015 in Proceedings of SPIE - The International Society for Optical Engineering

DOI: 10.1117/12.2070446

NEAR-IR BROADBAND POLARIZER DESIGN BASED ON PHOTONIC CRYSTALS

Published: 2015 in University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics

Optical information transfer based on helico-conical laser beams

Authors (3): Mihailescu, M.; Kusko, C.; Preda, L.

Published: Sep 2014 in Proceedings of SPIE - The International Society for Optical Engineering
DOI: 10.1117/12.2062036

Independent and combined information transfer from axicon and helical phase distributions

Authors (3): Mihailescu, Mona; Preda, Liliana; Kusko, Cristian

Published: Jul 2014 in Applied Optics

DOI: 10.1364/AO.53.004691

Generation of optical vortices by fractional derivative

Published: Mar 2014 in Optics and Lasers in Engineering

DOI: 10.1016/J.OPTLASENG.2013.09.013
