

23rd International Young Scientists Conference Optics and High Technology Material Science - SPO 2022 ONLINE "STAND WITH UKRAINE"

Saturday 26 November 2022

Poster session - Hybrid (10:50-12:05)

-Conveners: Mykyta Redkin

| time | [id] title | presenter |
|-------|---|-------------------------|
| 10:50 | [53] Electron Acceleration by Cross Focused Cosh Gaussian Laser Beams in Thermal Quantum Plasmas | Mr JOHARI , Rohit |
| 10:54 | [55] NANOINDENTATION OF NANOSIZED FILMS | Dr MELNICHENKO, Mykola |
| 10:58 | [57] Self Focusing of Rippled Elliptical q-Gaussian Laser Beam in Plasma with Axial Density Ramp | Dr SHISHODIA, Siddhanth |
| 11:02 | [72] Application of laser speckles for analysis of structural dynamics of nanofluids based on carbon nanotubes | Mr DUMANSKYI, Yan |
| 11:06 | [81] Frequency mixing of two Q- Gaussian laser beams in plasma: Effect of cross focusing | Mr KHATRI, Rishabh |
| 11:10 | [82] Laser ellipsometry of diamond micro-sharpened aluminum mirrors | Dr KUDIN, Volodymyr |
| 11:14 | [83] Transition To High Temperature Superconductivity "A Review" | Mr LIMBU, Abhay |
| 11:18 | [114] Peculiarities and conditions for the occurrence Stimulated Raman scattering of dyes in multiple scattering media | Dr SMALIUK, Andrii |
| 11:22 | [116] Random lasing in a nonuniformly scattering medium | Mr ZHURAVSKY, Michael |
| 11:26 | [118] Simulation of a microresonator for observing the structure of its spatial field using appropriate optical quasi-degenerate macroresonator | Ms HAIDUK, Tetiana |
| 11:30 | [119] Modification of the optical properties of the surface of porous silicon by the action of external chemical factors | Dr YURGELEVYCH, Iryna |
| 11:34 | [120] Optical anisotropy of surface layers of ribbons of the iron-based amorphous alloys | Mr KOVANZHI, Petro |
| 11:40 | [115] Biosensor's system of remote-presence robot for monitoring of infected patients | Ms KRAVCHUK, Olha |
| 11:44 | [121] Light-emitting properties of colloidal ZnO nanocrystals embedded in different polymer matrices | Ms ISAIEVA, Oksana |
| 11:50 | [122] Ag nanoparticles synthesized from Ganoderma lucidum for SERS-applications | Dr MAZUR, Nazar |
| 11:55 | [123] SERS-enhancement of chalcogenide films | Dr HRESHCHUK, Oleksandr |
| 12:00 | [124] Raman study of the Flash-lamp annealing influence to Cu ₂ ZnSnS ₄ nanocrystals and PEDOT:PSS composite thin films | Dr HAVRYLIUK, Yevhenii |