

**2011 - 2**

**Femtosecond filamentation in chalcogenide glasses limited by two-photon absorption**

*Blonskyi Ivan<sup>1</sup>, Kadan Viktor<sup>1</sup>, Shpotyuk Oleh<sup>2</sup>, Yovu M.<sup>3</sup>, Pavlov Ihor<sup>1</sup>*

<sup>1</sup> Institute of Physics of the National Academy of Sciences of Ukraine,

<sup>2</sup> Scientific Research Company „CARAT“, Livov. Ukraine,

<sup>3</sup> Institute of Applied Physics, Academy of Sciences of Moldova

**Optical Materials**

Vol. 32, / 2011 / ISSN 0925-3467

Disponibil online 30 August, 2023. Descarcări-0. Vizualizări-222

---

**Filament-induced waveguides in As<sub>4</sub>Ge<sub>30</sub>S<sub>66</sub>** 

*Kadan Viktor<sup>1</sup>, Blonskyi Ivan<sup>1</sup>, Shpotyuk Oleh<sup>2,3</sup>, Yovu M.<sup>4</sup>, Korenyuk Petro<sup>1</sup>, Pavlov Ihor<sup>1</sup>*

<sup>1</sup> Institute of Physics of the National Academy of Sciences of Ukraine,

<sup>2</sup> Lviv Scientific Research Institute of Materials, Scientific Research Company Carat,

<sup>3</sup> Institute of Physics of Jan Dlugosz University,

<sup>4</sup> Institute of Applied Physics, Academy of Sciences of Moldova

**Proceedings of SPIE - The International Society for Optical Engineering**

Nr. 2-3 / 2006 / ISSN 1857-1476

Disponibil online 29 November, 2023. Descarcări-0. Vizualizări-125

---

**2010 - 1**

**Non-linear effects in chalcogenide glasses** 

*Blonskyi Ivan<sup>1</sup>, Kadan Viktor<sup>1</sup>, Pavlov Ihor<sup>1</sup>, Korenyuk Petro<sup>1</sup>, Dmitruk Igor<sup>1</sup>, Shpotyuk Oleh<sup>2</sup>, Yovu M.<sup>3</sup>*

<sup>1</sup> Institute of Physics of the National Academy of Sciences of Ukraine,

<sup>2</sup> Scientific Research Company „CARAT“, Livov. Ukraine,

<sup>3</sup> Institute of Applied Physics, Academy of Sciences of Moldova

**Proceedings of SPIE - The International Society for Optical Engineering**

Nr. 3(91) / 2015 / ISSN 1810-6455

Disponibil online 30 November, 2023. Descarcări-0. Vizualizări-164

---