

E. K. ARUSHANOV

PUBLICATIONS

in refereed journals and full paper published in refereed conference proceedings

1. Koteski, V.; Doka-Yamigno, S.; Hofsteter, J.; Rusu, M.; Mahnkel, H.-E.; Lux-Steiner, M. Ch.; Schedel-Niedrig, Th.; **Arushanov, E.** Germanium doping of wider-band-gap CuGaSe_2 chalcopyrites: Local and electronic structure. *Phys. Rev. B.* 2010, **81**(24), 245213/1-8. ISSN 1098-0121 print/ISSN 1550-235X online. doi: 10.1103/PhysRevB.81.245213.
2. Leon, M.; Levchenko, S.; Serna, R.; Gurieva, G.; Nateprov, A.; Merino, J. M.; Friendrich, E.J.; Schorr, S.; **Arushanov, E.** Optical constants of $\text{Cu}_2\text{ZnGeS}_4$ bulk crystals. *J. Appl. Phys.* 2010, **108**(9), 093502/1-5. ISSN 0021 - 8979 print/ISSN 1089-7550 online. doi:10.1063/1.3500439.
3. Levchenko, S.; Doka-Yamigno, S.; Tezlevan, V.; Fuertes Marron, D.; Kulyk L.; Schedel-Niedrig, T.; Lux-Steiner, M. Ch.; **Arushanov, E.** Temperature dependence of the exciton gap in monocrystalline CuGaS_2 . *Physica B.* 2010, **405**(17), 3547-3550. ISSN 0921-4526. [doi:10.1016/j.physb.2010.05.037](https://doi.org/10.1016/j.physb.2010.05.037).
4. Levchenko, S.; Dumcenco, D.; Huang, Y. S.; **Arushanov, E.**; Tezlevan, V.; Tiong, K. K.; Du, C. H. Near-band-edge anisotropic optical transitions in wide band gap semiconductor $\text{Cu}_2\text{ZnSiS}_4$. *J. Appl. Phys.* 2010, **108**(7), 073508/1-5. ISSN 0021 - 8979 print/ISSN 1089-7550 online. doi:10.1063/1.3490219.
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6. Levchenko, S.; Duran, L.; Gurieva, G.; Alonso, M. I.; **Arushanov, E.**; Durante Ricon, C.A.; Leon, M. Optical constants of $\text{Cu}(\text{In}_{1-x}\text{Ga}_x)_5\text{Se}_8$ crystals. *J. Appl. Phys.* 2010, **107**(3), 033502/1-6. ISSN 0021 - 8979 print/ISSN 1089-7550 online. doi:10.1063/1.3298499 (IF-2.072).
7. **Arushanov, E.K.**; Lisunov, K.G.; Schumann, J.; Vinzelberg, H. Unconventional metal-insulator transition in $\text{Re}_x\text{Si}_{1-x}$. *Mold. J. Phys. Sciences.* (accepted for publication in 2010, **9**(3),). ISSN 1810- 648X.
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