Davood Abbaszadeh

Assistant Professor

IASBS, Department of Physics

Publications

Journals

- D. Abbaszadeh, A. Kunz, G. A. H Wetzelaer, J. J. Michels, N. I. Crăciun, K. Koynov, I. Lieberwirth, P. W. M Blom, "Elimination of charge carrier trapping in diluted semiconductors", Nature materials, Vol. 15, NO. 628, 2016, doi: 10.1038/nmat4626

- D. Abbaszadeh* P. W. M. Blom, "Efficient Blue Polymer Light-Emitting Diodes with Electron-Dominated Transport Due to Trap Dilution", Advanced Electronic Materials, Vol. 2, NO. 1500406, 2016, doi: 10.1002/aelm.201500406

- D. Abbaszadeh* G. -J. A. H. Wetzelaer* N. Y. Doumon* P. W. M. Blom, "Efficient Polymer Light-Emitting Diode with Air-Stable Aluminum Cathode", Journal of Applied Physics, Vol. 119, NO. 95503, 2016, doi: 10.1063/1.4943190

- D. Abbaszadeh* N. Y. Doumon* G. -J. A. H. Wetzelaer* L. J. A. Koster* P. W. M. Blom, "Effect of the layer thickness on the efficiency enhancement in bilayer polymer light-emitting diodes", Synthetic Metals, Vol. 215, NO. 64, 2016, doi: 10.1016/j.synthmet.2016.02.003

- A. Caretta* M. C. Donker* D. W. Perdok* D. Abbaszadeh* A. O. Polyakov* R.W. a. Havenith* T. T. M. Palstra* P.H. M. van Loosdrecht, "Measurement of the acoustic-to-optical phonon coupling in multicomponent systems", Physical Review B, Vol. 91, NO. 54111, 2015, doi: 10.1103/PhysRevB.91.054111

- D. Abbaszadeh* H. T. Nicolai* N. I. Craciun* P. W. M. Blom , "Effect of arylamine hole-transport units on the performance of blue polyspirobifluorene light-emitting diodes", Physical Review B, Vol. 90, NO. 205204, 2014, doi: 10.1103/PhysRevB.90.205204

- D. Abbaszadeh* H. T. Nicolai* G. -J. A. H. Wetzelaer* P. W. M. Blom, "Exciton quenching at PEDOT:PSS anode in polymer blue-light-emitting diodes", Journal of Applied Physics, Vol. 116, NO. 224508, 2014, doi: 10.1063/1.4903952

- F. Razi Astaraie* A. Irajizad* N. S. Taghavi* D. Abbaszadeh* A. Dolati* S. S. Mahshid, "Morphology and hydrogen sensing studies of the electrodeposited nanostructured palladium on porous silicon", International Journal of Nanotechnology , Vol. 6, NO. 892, 2009, doi: 10.1504/IJNT.2009.027553