

Списък на публикациите на доц. д-р Цветанка Бабева
за участие в конкурса за заемане на академичната длъжност “Професор” по
професионално направление 4.1 „Физически науки”, научна специалност „Електрични,
магнитни и оптични свойства на кондензираната материя”,
обявен от ИОМТ-БАН в ДВ брой 18 от 08.03.2016 г.

A) Публикации в списания с импакт фактор и SJR (27 бр)

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10. I. Naydenova, E. Leite, **T. Babeva**, N. Pandey, T. Baron, T. Yovcheva, S. Sainov, S. Martin, S. Mintova, V. Toal, “Optical properties of photopolymerisable nanocomposites containing nanosized molecular sieves”, Journal of Optics, 13, 044019, (2011).
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 13. G. Marinov, J. Tasseva, R. Todorov, **T. Babeva**, “Onedimensional Photonic Crystals Comprising Organic and Inorganic Polymers”, Comptes rendus de l’Academie bulgare des Sciences, Vol 65, No7, pp.927-932, (2012).
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27. K. Lazarova, R. Georgiev, M. Vasileva, B. Georgieva, M. Spasova, N. Malinowski and **T. Babeva**, "One-dimensional PMMA-V₂O₅ photonic crystals used as color indicators of chloroform vapors", *accepted* in Optical and Quantum Electronics, April 2016.

B) Публикации в пълен текст в сборници от конференции (8 бр.)

1. D. Mackey, **T. Babeva**, I. Naydenova and V. Toal, "A diffusion model for spatially dependent photopolymerization", *Progress in Industrial Mathematics at ECMI 2008*, Series: Mathematics in Industry, Subseries: The European Consortium for Mathematics in Industry, Vol. 15, 253 -258, Fitt, A.D.; Norbury, J.; Ockendon, H.; Wilson, E. (Eds.), 1st Edition., 2010, 1050 p., Hardcover, ISBN: 978-3-642-12109-8, Due: June 16, 2010.
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С) Глави от книги

1. Rossen Todorov, Jordanka Tasseva and **Tzwetanka Babeva** (2012). THIN CHALCOGENIDE FILMS FOR PHOTONIC APPLICATIONS, Photonic Crystals - Innovative Systems, Lasers and Waveguides, Dr. Alessandro Massaro (Ed.), ISBN: 978-953-51-0416-2, InTech

Д) Научно-популярни статии

1. Лазарова К., **Бабева Цв.**, “Фотонните кристали – технология от природата за приложение в медицината”, Българска наука, 76, 2015, 87 - 94