

Name: Prof. Aleksandra B. Djurišić

Academic qualifications:

1997, PhD, 1995, MSc, 1994, Dipl.Ing EE in Elec. Eng., School of Electrical Engineering (EE), University of Belgrade, Belgrade, Yugoslavia

Previous academic positions held:

03 2009 – 06 2013 Associate Professor, Dept. of Physics, University of Hong Kong (HKU)

07 2003 – 02 2009 Assistant Professor, Dept. of Physics, HKU

08 2001- 06 2003 Research Assistant Professor, EEE Dept. & Physics Dept, HKU

05. 2000 –07 2001 Postdoctoral fellow, Department of EEE, HKU

10. 1998 – 03. 2000 Alexander von Humboldt postdoctoral fellow, Institute for Applied Photophysics, University of Technology Dresden

11. 1997 – 09. 1998 William Mong postdoctoral fellow, Department of EEE, HKU

1994 –1997 Research & teaching associate, School of EE, University of Belgrade

Present academic position: 07 2013 – present Professor, Dept. of Physics, HKU

Relevant Research Work

Nanomaterials, optoelectronics, **organic materials and devices**, photocatalysis.

ISI Web of Science indicators:

Publications=272, Times cited=7212, h-index=40

Ten representative publications

A Recent five years (2009-2013)

1. A. M. C. Ng, C. M. N. Chan, M. Y. Guo, Y. H. Leung, **A. B. Djurišić**,* X. Hu, W. K. Chan, F. C. C. Leung, S. Y. Tong, "Antibacterial and photocatalytic activity of TiO₂ and ZnO nanomaterials in phosphate buffer and saline solution", Appl. Microbiol. Biotech. 97, 5565–5573, 2013.
2. Y. H. Leung, C. M. N. Chan, A. M. C. Ng, H. T. Chan, M. W. L. Chiang, **A. B. Djurišić**,* Y. H. Ng, W. Y. Jim, F. C. C. Leung, W. K. Chan, D. T. W. Au, "Antibacterial activity of ZnO nanoparticles with a modified surface under ambient illumination", Nanotechnology 23, 475703, 2012.
3. M. Y. Guo, A. M. C. Ng, F. Z. Liu, **A. B. Djurišić**,* W. K. Chan, H. M. Su, K. S. Wong, "Effect of Native Defects on Photocatalytic Properties of ZnO", J. Phys. Chem. C 115, 11095, 2011.
4. **A. B. Djurišić**,* X. Y. Chen, Y. H. Leung, A. M. C. Ng, "ZnO nanostructures: growth, properties and applications", J. Mater. Chem. 22, 6526 – 6535, 2012.
5. Y. Y. Xi, A. M. C. Ng, Y. F. Hsu, **A. B. Djurišić**,* L. Ge, B. Q. Huang, W. K. Chan, H. L. Tam, K. W. Cheah, "Effect of annealing on the performance of CrO₃/ZnO light emitting diodes", Appl. Phys. Lett. 94, 203502, 2009.

B Beyond recent five year period

1. A. M. C. Ng, **A. B. Djurišić**,* K. H. Tam, W. M. Kwok, W. K. Chan, D. L. Phillips, K. W. Cheah, "Organic nanoclusters on inorganic nanostructures for tailoring the emission properties of organic materials", Adv. Funct. Mater. 18, 566, 2008.

2. Y. Y. Xi, Y. F. Hsu, **A. B. Djurišić**,* A. M. C. Ng, W. K. Chan, H. L. Tam, K. W. Cheah, "NiO/ZnO light emitting diodes by solution-based growth", Appl. Phys. Lett. 92, 113505, 2008.
3. W. Y. Wong,* Z. He, **A. B. Djurišić**,* C. T. Yip, K. Y. Cheung, H. Wang, C. S. K. Mak, W. K. Chan, "Metallated conjugated polymers as a new avenue towards high-efficiency polymer solar cells", Nature Mater. 6, 521, 2007.
4. **A. B. Djurišić**,* Y. H. Leung, K. H. Tam, L. Ding, W. K. Ge, H. Y. Chen, S. Gwo, "Green, yellow, and orange defect emission from ZnO nanostructures: Influence of excitation wavelength", Appl. Phys. Lett. 88, 103107, 2006.
5. **A. B. Djurišić**,* W. C. H. Choy, V. A. L. Roy, Y. H. Leung, C. Y. Kwong, K. W. Cheah, T. K. Gundu Rao, W. K. Chan, H. F. Lui, C. Surya, "Photoluminescence and electron paramagnetic resonance of ZnO tetrapod structure", Adv. Funct. Mater. 14, 856, 2004.

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