

Publication list of Priv.-Doz. Dr. Alexander Colsmann, 05.01.2018

h-Index: **28** (Google 05.01.2018)

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Publication list on Google Scholar:

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Refereed publications in scientific journals:

2018

- C.L. Chochos, A. Katsouras, S. Drakopoulou, C. Miskaki, M. Krassas, P. Tzourmpakis, G. Kakavelakis, C. Sprau, A. Colsmann, B. Squeo, V.G. Gregoriou, E. Kymakis, A. Avgeropoulos, *Effects of alkyl side chains positioning and presence of fused aromatic units in the backbone of low-bandgap diketopyrrolopyrrole copolymers on the optoelectronic properties of organic solar cells*, J. Polymer Sci. A: Polymer Chemistry 56:1 (2018) 138-146, doi:10.1002/pola.28901

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- S. Gärtner, A.J. Clulow, I. Howard, E.P. Gilbert, P.L. Burn, I.R. Gentle, A. Colsmann, *Relating Structure to Efficiency in Surfactant-free Polymer:Fullerene Nanoparticle-based Organic Solar Cells*, ACS Appl. Mater. Interf. 9:49 (2017) 42986-42995, doi:10.1021/acsami.7b15601
- J.A. Fragoso García, S. Höfle, M. Zhang, J. Dlugosch, T. Friedrich, S. Wagner, A. Colsmann, *OLED luminaires: Device arrays with 99.6 % geometric fill factor structured by femtosecond laser ablation*, ACS Appl. Mater. Interf. 9:43 (2017) 37898-37904, doi:10.1021/acsami.7b12356
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- L. Brütsch, J. Czolk, R. Popescu, D. Gerthsen, A. Colsmann, C. Feldmann, *Surfactant-free Synthesis of Sub-stoichiometry Tungsten Oxide Nanoparticles and Their Use as Anode Buffer Layers in Organic Solar Cells*, Solid State Science 69 (2017) 50-55, doi:10.1016/j.solidstatesciences.2017.05.010

- D. Landerer, D. Bahro, H. Röhm, M. Koppitz, A. Mertens, F. Manger, F. Denk, M. Heidinger, T. Spangenberg, T. Windmann, A. Colsmann, *Solar Glasses: A Case Study on Semi-transparent Organic Solar Cells for Self-Sustainable, Light-Weight and Mobile Smart Devices*, *Energy Technol.* 5 (2017) 1936-1945, doi:10.1002/ente.201700226
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- T. Schneider, F. Limberg, K. Yao, A. Armin, N. Jürgensen, J. Czolk, B. Ebenhoch, P. Friederich, W. Wenzel, J. Behrends, H. Krüger, A. Colsmann, *p-Doping of polystyrene polymers with attached functional side-groups from solution*, *J. Mater. Chem. C* 5 (2017) 770-776, doi:10.1039/c6tc02346k

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