

Publications for Matthew Griffith

2021

Barr, M., Chambon, S., Fahy, A., Jones, T., Marcus, M., Kilcoyne, A., Dastoor, P., Griffith, M., Holmes, N. (2021). Nanomorphology of eco-friendly colloidal inks, relating non-fullerene acceptor surface energy to structure formation [Forthcoming]. *Materials Chemistry Frontiers*. [More Information]

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Posar, J., Davis, J., Brace, O., Sellin, P., Griffith, M., Dhez, O., Wilkinson, D., Lerch, M., Rosenfeld, A., Petasecca, M. (2020). Characterization of a plastic dosimeter based on organic semiconductor photodiodes and scintillator. *Physics And Imaging In Radiation Oncology*, 14, 48-52. [More Information]

Posar, J., Davis, J., Large, M., Basiricij¹/₂, L., Ciavatti, A., Fraboni, B., Dhez, O., Wilkinson, D., Sellin, P., Griffith, M., et al (2020). Characterization of an organic semiconductor diode for dosimetry in radiotherapy. *Medical Physics*, 47(8), 3658-3668. [More Information]

Nicolaidis, N., Hollott, P., Stanwell, B., Gill, I., Bull, J., Bentsen, S., Iredale, J., Pappenfus, T., Dastoor, P., Feron, K., Griffith, M., et al (2020). Developing a Portable Organic Solar Cell Kit Suitable for Students to Fabricate and Test Solar Cells in the Laboratory. *Journal of Chemical Education*, 97(10), 3751-3757. [More Information]

Griffith, M., Holmes, N., Elkington, D., Cottam, S., Stamenkovic, J., Kilcoyne, A., Andersen, T. (2020). Manipulating nanoscale structure to control functionality in printed organic photovoltaic, transistor and bioelectronic devices. *Nanotechnology*, 31(9). [More Information]

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Marks, M., Holmes, N., Sharma, A., Pan, X., Chowdhury, R., Barr, M., Fenn, C., Griffith, M., Feron, K., Kilcoyne, A., et al (2019). Building intermixed donor-acceptor architectures for water-processable organic photovoltaics. *Physical Chemistry Chemical Physics*, 21(10), 5705-5715. [More Information]

Anderson, D., Cottam, S., Heim, H., Zhang, H., Holmes, N., Griffith, M. (2019). Printable ionizing radiation sensors fabricated from nanoparticulate blends of organic scintillators and polymer semiconductors. *MRS Communications*, 9(4), 1206-1213. [More Information]

Ameri, M., Al-Mudhaffer, M., Almyahi, F., Fardell, G., Marks, M., Al-Ahmad, A., Fahy, A., Andersen, T., Elkington, D., Feron, K., et al (2019). Role of Stabilizing Surfactants on Capacitance, Charge, and Ion Transport in Organic Nanoparticle-Based Electronic Devices. *ACS Applied Materials and Interfaces*, 11(10), 10074-10088. [More Information]

Hart, A., Andersen, T., Griffith, M., Fahy, A., Vaughan, B., Belcher, W., Dastoor, P. (2019). Roll-to-roll solvent annealing of printed P3HT⁺:ICXA devices. *RSC Advances*, 9(72), 42294-42305. [More Information]

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Griffith, M., Willis, M., Kumar, P., Holdsworth, J., Bezuidenhout, H., Zhou, X., Belcher, W., Dastoor, P. (2016). Activation of Organic Photovoltaic Light Detectors Using Bend Leakage from Optical Fibers. *ACS Applied Materials and Interfaces*, 8(12), 7928-7937. [More Information]

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2015

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Kimura, M., Nomoto, H., Suzuki, H., Ikeuchi, T., Matsuzaki, H., Murakami, T., Furube, A., Masaki, N., Griffith, M., Mori, S. (2013). Molecular design rule of phthalocyanine dyes for highly efficient near-IR performance in dye-sensitized solar cells. *Chemistry - A European Journal*, 19(23), 7496-7502. [More Information]