Curriculum Vitae Brevi

Giuseppina Polino

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Education

2011 - MSc in Electronic Engineering, University of Rome "Tor Vergata "
2015 – European Ph.D In Telecommunications and Microelectronic Engineering (cum laude)

Position

(2011-2014) : PhD. Student at Polo Solare Organico della Regione Lazio CHOSE, Dep. Electronic Engineering University of Rome "Tor Vergata "
2014: Visiting Researcher at Hols Centre High Tech Campus, Eindhoven-The Netherland
2015 : Post Doc researcher Polo Solare Organico della Regione Lazio CHOSE, Dep. Electronic Engineering University of Rome "Tor Vergata "
2016: Post Doc researcher at Neuroscience and Brain Technologies (NBT) department Italian Institute of Technology, Genoa, Italy,
2017: Post Doc senior researcher Tissue Electronics group, Center for Advanced Biomaterials for Healthcare (CABHC), Italian Institute of Technology, Naples, Italy
2018-present: Post Doc senior researcher Polo Solare Organico della Regione Lazio CHOSE, Dep. Electronic Engineering University of Rome "Tor Vergata "

Memberships and affiliations
Società Elettronica Italiana (2019), Società italiana di Ottica e Fotonica (2016)

Editorial Board
Frontiers in Nanotechnologies (Guest Editor), MDPI-Crystal (Guest Editor)

Participation in Research Programs
COST action programs, WASP (HORIZON 2020)

Research activities
- Organic Photovoltaics, Energy storage, Bioelectronics, Wearable electronics, Neuromorphic, Nanotechnologies

Selected Publications

A biohybrid synapse with neurotransmitter-mediated plasticity.
Keene, S.T., Lubrano, C., Kazemzadeh, S. Melianas A., Tuchman Y., Polino G., Scognamiglio P., Cinà L., Salleo A., van de Burgt Y., Santoro F., Nature Materials (2020). https://doi.org/10.1038/s41563-020-0703-y

Nanodiamond-Based Separators for Supercapacitors Realized on Paper SubstratesG Polino, A Scaramella, V Manca, E Palmieri, E Tamburri, S Orlanducci, F.Brunetti, Energy Technology, 8, 6-2020 https://doi.org/10.1002/ente.201901233

On the role of PTB7-Th:[70]PCBM blend concentration in ortho-xylene on polymer solar cells performance.
Salamandra, L., La Notte, L., Paronesso, G., Susanna, G., Cinà, L., Polino, G., Mattiello, L., Catini, A., Di Natale, C., Martinelli, E., Di Carlo, A., Brunetti, F., Brown, T. M. and Reale, A. Energy Technology 131, 2168–2174 (2017), doi:10.1002/ente.201700237.

Photogenerated Electrical Fields for Biomedical Applications.
Frontiers in Bioengineering and Biotechnologies, G. Polino, C. Lubrano, G. Ciccone, F. Santoro, 2018, https://doi.org/10.3389/fbioe.2018.00167

Efficient ITO based full-spray coated inverted solar cells: The role of buffer layers on low band gap photo-active layer performance.
G.Polino, S. Elce, A. Liscio, L. La Notte, G. Cardone, A. Reale, A. Di Carlo, F. Brunetti *"Energy Technol., 2018 10.1002/ente.201800627*

Patents

PHOTOVOLTAIC SYSTEMS AND SPRAY COATING PROCESSES FOR PRODUCING PHOTOVOLTAIC SYSTEMS (PPG REF. NOS. 8587 & 9278 K&LG REF. NO. 130225P)(M. Ballarino, F. Brunetti, M. Cagliani, G. Cardone, A.Di Carlo, G. Polino)
https://www.google.com/patents/WO2015073542A1?cl=en