Special Issue

Direct (Hetero)Arylation: A New Tool for Organic Electronics

Message from the Guest Editor

Direct (hetero)arylation is a novel and powerful tool for the synthesis of cheap and efficient polymeric and oligomeric semiconductors. Indeed, this innovative method allows the formation of carbon-carbon bonds between arenes and aryl halides, which do not require organometallic intermediates thereby significantly reducing both synthetic steps and cost. Highly-promising studies have been reported in the last five years, but it is the purpose of this Special Issue to show how conjugated polymers and small molecules prepared from direct (hetero)arylation can be utilized in different devices (light-emitting diodes, transistors, solar cells, electrochemical cells, sensors, etc.). This Special Issue will contain different formats of contributions (original research, reviews, communications and letters), discussing aspects broadly indicated by the keywords.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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