Electron-poor arylenediimides.

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Streszczenie

Arylenediimides are inherently electron deficient and provide enormous opportunities to conjugate electron withdrawing substituents at different regions of the π-scaffold. This review article highlights the gradual emergence of diverse molecular design principles to realize exceptionally electron deficient arylenediimide molecules. Interestingly, nonconventional electron withdrawing substituents allow realization of some of the strongest electron acceptors known from this class of molecules. Thus, an enthralling and exceptionally close race to garner the top position within the electrondeficient molecules unfolds, which has immense implications with regards to stability and potential applications.

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