Recent progress and future of organic photovoltaic cells

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In this talk, first, research on the organic solar cells in Japan is reviewed.

Next, author’s research on the bandgap science for organic solar cells \cite{hi1}, including (i) \(pn\)-control of single and co-deposited films of organic semiconductors by impurity doping \cite{hi2-6}, (ii) Ionization sensitization of doping \cite{hi7,hi8}, (iii) ppm-doping effects for organic photovoltaic cells \cite{hi9}, will be presented.