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This site uses interest based advertising. Metallofullerene (C<sub>60</sub>-Mn(2)): prediction of high efficiency in bulk heterojunction organic solar cells. Metallofullerenes (C<sub>60</sub>-Mn(2)), which contain two Mn atoms in their core, have shown excellent results in photovoltaic applications. We studied the influence of the position of the two Mn atoms in the fullerene core on solar cell properties in solution-processed bulk heterojunction organic solar cells, with either copper phthalocyanine (CuPc) or poly[3-hexylthiophene-2,5-diyl] (P3HT) as the electron donor and an ethoxy-substituted zinc

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phthalocyanine (ZnPc(OEt)) as the electron acceptor. Depending on the distance of the two Mn atoms in C<sub>60</sub>-Mn(2) from the C<sub>60</sub> surface, C<sub>60</sub>-Mn(2) showed either high photocurrents with low





