

# Accepted Manuscript

An effective TiO<sub>2</sub> blocking layer for hole-conductor-free perovskite solar cells based on carbon counter electrode

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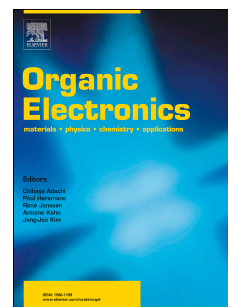
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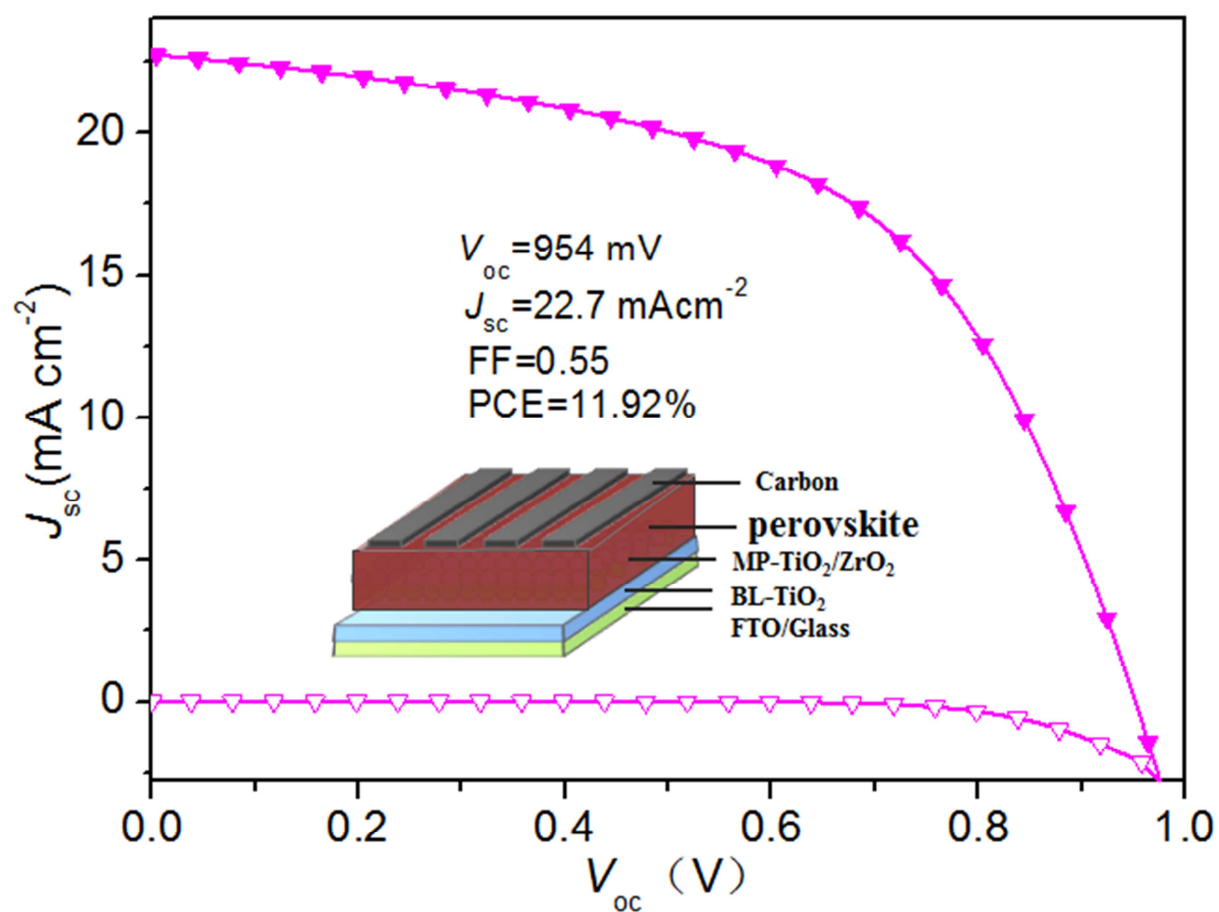
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