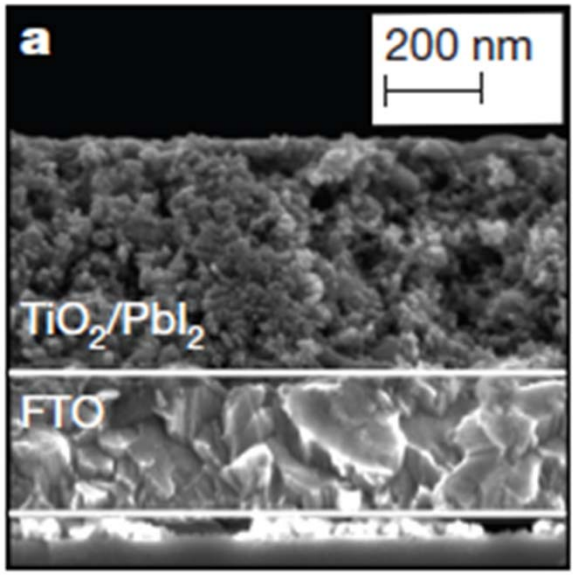
Moments in Materials Presentation:

Methyl Ammonium Lead Iodide Perovskite Solar Cells: Over 15% PCE in Under Three Years

Speaker: Zachariah Mitchell Norman
When: Thursday, July 18th 2013, 4:30 p.m.
Where: NWC, 7th floor meeting room, RM 703

In order to meet potential demand for renewable energy source, we need to develop efficient and scalable solar materials. Recently, mixed organic/inorganic perovskite materials have emerged as promising solar absorbing materials. In particular, methyl ammonium lead iodide has recently demonstrated power conversion efficiency (PCE) of over 15%. Talk will describe the what is currently known about this material and outline future direction for further understanding this new solar material.



Selected references
Burschka and Gratzel, Nature 2013 | doi: 10.1038/nature12340