



Photoenergy conversion materials

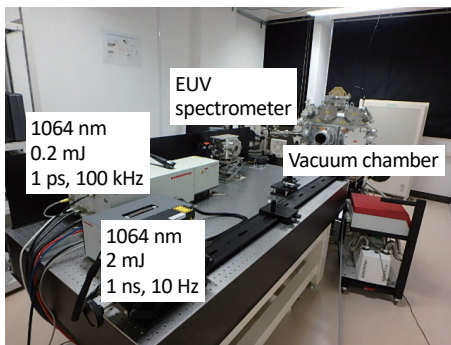
Laboratory for chemistry and life science

Molecular Materials Design

<http://ime.res.titech.ac.jp>

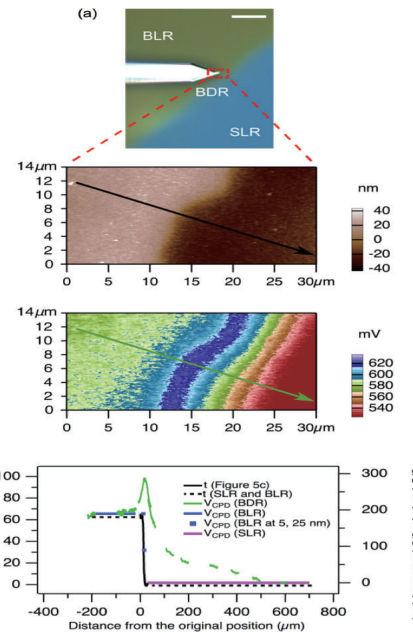
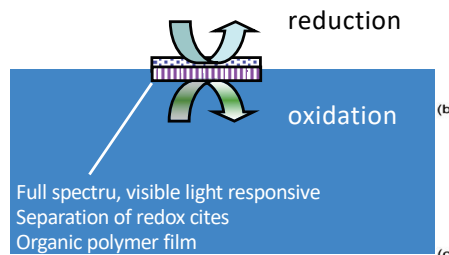
- Solar energy conversion materials
- Laser energy conversion materials
- Low density materials
- Polymer film photocatalysts

Laser produced plasma and quantum beam



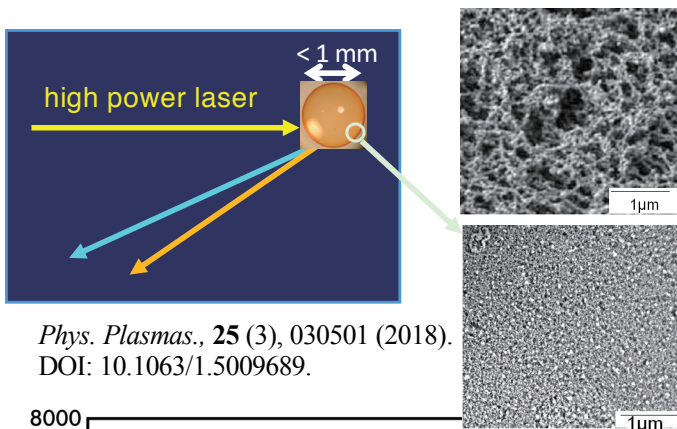
Rev. Sci. Instrum., **88** (3), 033506, (2017).
DOI.org/10.1063/1.4978526

Organic semiconductor based photocatalysts

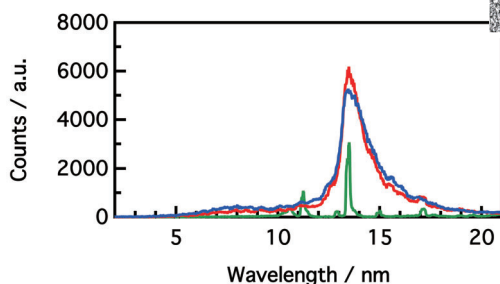


NPG Asia Mater., **10** (7), 630-641, (2018).
DOI 10.1038/s41427-018-0058

Low density materials for high efficiency laser absorption



Phys. Plasmas., **25** (3), 030501 (2018).
DOI: 10.1063/1.5009689.



ACS Omega, **3** (10), 12422-12427, (2018).
DOI. 10.1021/acsomega.8b01220

Mass productive nanoparticle photocatalyst

