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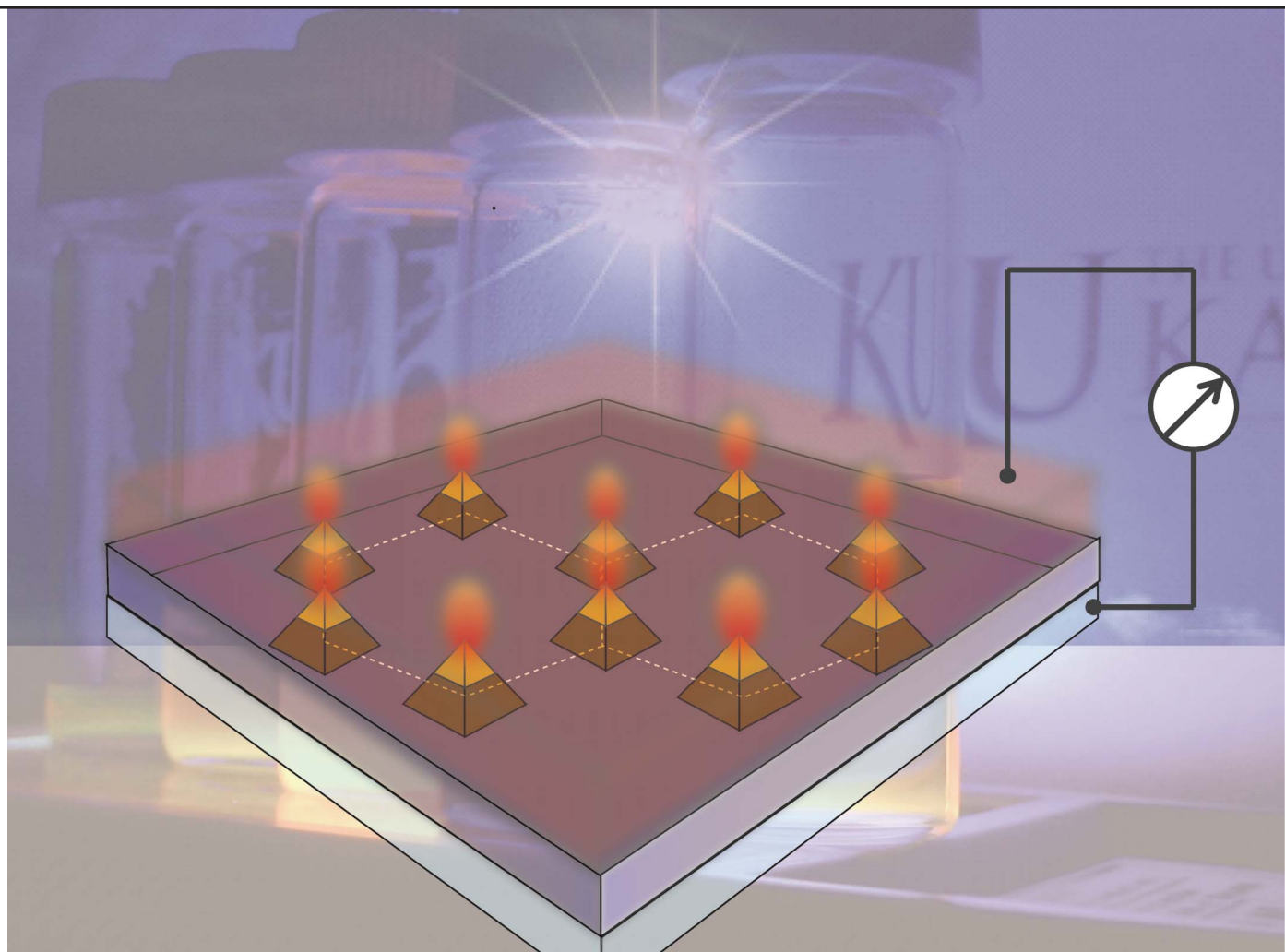


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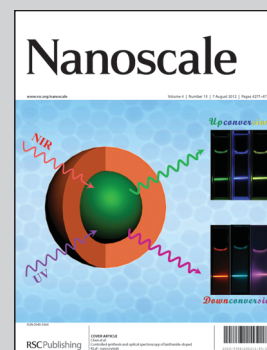


Showcasing research from the Renewable Energy Nanomaterials (REN) Laboratory, Department of Chemistry, University of Kansas, Lawrence, KS, USA.

Title: Surface-passivated plasmonic nano-pyramids for bulk heterojunction solar cell photocurrent enhancement

Self-assembled Au nano-pyramid arrays, created *via* self-assembled nanosphere lithography, can greatly enhance the photocurrent of narrow bandgap organic solar cells using their plasmonic near-field effect. We demonstrate that the plasmonic enhanced power conversion efficiency exhibited up to a 200% increase under AM 1.5 solar illumination.

As featured in:



See Ren *et al.*,
Nanoscale, 2012, **4**, 4421.

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