

Seminář odd. 26 Tenkých vrstev a nanostruktur

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TÉMA

2D Lanthanide-Directed Architectures on Surfaces

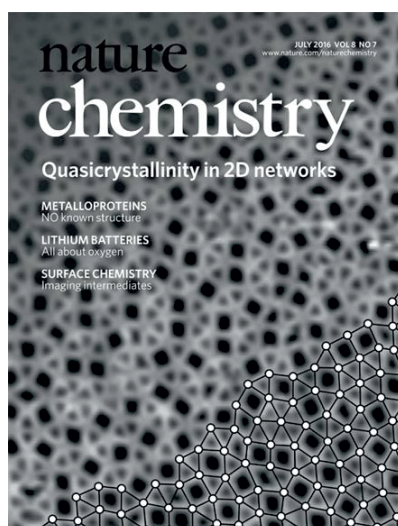
David Ecija

IMDEA Nanoscience, Madrid, Spain

Email: david.ecija@imdea.org | Web site: <http://ecija.hol.es>

Metallosupramolecular engineering on surfaces provides a powerful strategy toward surface-confined coordination architectures with prospects for several application fields. To date most efforts concentrated on incorporating transition metals, and only recently we pioneered lanthanide-directed assembly.

Herein we review recent advances towards designing interfacial supramolecular nano-architectures with lanthanide centers. We focus on molecular-level investigations, mainly relying on scanning probe microscopy, providing atomistic insights into the formation, stability and manipulability of metal-organic compounds and networks.



odborný garant: Ing. Pavel Jelínek, Ph.D.