Review article [1] by the Physics Department faculty member Dr. Alexander Khanikaev and his collaborators from UC Berkeley and UT Austin is featured on the cover of Nanophotonics, a high profile journal focusing on optical properties and applications of nanostructures and optical materials structured on nanoscale. The review by Dr. Khanikaev et al. is devoted to a novel class of nanostructures known as Fano-resonant metamaterials offering unprecedented capabilities to tailor interaction of light with matter. The image on the cover of Nanophotonics illustrates how Fano-resonant metamaterials enable strong enhancement of electromagnetic fields in their immediate vicinity, thereby considerably boosting the interaction of light with matter and facilitating sensing/identification of ultra-small molecular contents. The image represents an artistic view on the result published by Dr. Khanikaev and his collaborators in another high profile journal, Nature Materials [2].
