FRANK KOPPENS

Prof. Frank Koppens obtained his PhD in experimental physics at the Kavli Institute of Nanoscience, The Netherlands. After a postdoctoral fellowship at Harvard University, since August 2010, Koppens is a group leader at the Institute of Photonic Sciences (ICFO). He has received the Christiaan Hugyensprijs 2012, the ERC award as well as two ERC proof-of-concept awards. Prof. Koppens is leader of the optoelectronics workpackage of the graphene flagship (1B€ project for 10 years).
The quantum nano-optoelectronics group of Prof. Koppens focuses on both science and technology of novel two-dimensional materials. The goal of current projects is to study the interactions between light, plasmons and electrons in graphene and 2d materials, at ultra-fast timescales and nano-scale lengthscales. The group also develops devices with applications for wearables, sensing, photodetection, infrared imaging, power conversion and nano-scale light processing and switching.

In total, Koppens has published more than 40 refereed papers (H-index 31), amongst which Nature (2x), Science (3x), Nature Physics (5x), Nature Photonics, Nature Materials, Nature Nanotech. (5x), Phys.Rev.Lett.(8x) and NanoLetters (6x).
Total number of citations: 8000.