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CHARLES ANDREW DOWNING PhD. - Former Member

Biographical Info

2017 – present – Postdoctoral Researcher, Universidad Autónoma de Madrid, Spain.

2015/17 – Postdoctoral Researcher, University of Strasbourg, France.

2015 – PhD, University of Exeter, United Kingdom.

Honors and Awards

Research Interests

Plasmonics.

Nano-Optics.

Light-matter interaction.

Relevant/Recent Publications

Radiative frequency shifts in nanoplasmonic dimers, C.A. Downing, E. Mariani, G. Weick, arXiv:1705.04492, (2017). [\[URL\]](#)

Topological collective plasmons in bipartite chains of metallic nanoparticles, Charles A. Downing and Guillaume Weick, Phys. Rev. B 95, 125426, (2017). [\[URL\]](#)

Nonradiative limitations to plasmon propagation in chains of metallic nanoparticles, Adam Brandstetter-Kunc, Guillaume Weick, Charles A. Downing, Dietmar Weinmann, and Rodolfo A. Jalabert, Phys. Rev. B 94, 205432, (2016). [\[URL\]](#)

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