

Journal articles

- 1) [Direct imaging of hybridized eigenmodes in coupled silicon nanoparticles](#)
J. van de Groep, T. Coenen, S. A. Mann, and A. Polman, *Optica* **3**, 93-99 (2016)
- 2) [Azimuthally polarized cathodoluminescence from InP nanowires](#)
B. J. M. Brenny, D. van Dam, C. I. Osorio, A. F. Koenderink, J. Gómez Rivas, and A. Polman, *Appl. Phys Lett.* **107**, 201110 (2015)
- 3) [Angle-resolved cathodoluminescence imaging polarimetry](#)
C. I. Osorio, T. Coenen, B. J. M. Brenny, A. Polman, and A. F. Koenderink, *ACS Photonics*, DOI: 10.1021/acsp Photonics.5b00596 (2015)
- 4) [Directional light extinction and emission in a metasurface of tilted plasmonic nanopillars](#)
R. Verre, M. Svedendahl, N. Obedo Länk, Z. J. Yang, G. Zengin, T. J. Antosiewicz, and M. Käll, *Nano Lett.* **15**, DOI:10.1021 (2015)
- 5) [Nanoscale Spatial Coherent Control over the Modal Excitation of a Coupled Plasmonic Resonator System](#)
T. Coenen, D. T. Schoen, S. A. Mann, S. R. K. Rodriguez, B. J. M. Brenny, A. Polman, and M. L. Brongersma, *Nano Lett.* **15**, 7666 (2015)
- 6) [Robustness of plasmon phased array antennas to disorder](#)
F. Bernal Arango, R. Thijssen, B. C. Brenny, T. Coenen, and A. F. Koenderink, *Sci. Rep.* **5**, 10911 (2015)
- 7) [Nanoscale optical tomography with cathodoluminescence spectroscopy](#)
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Nat. Nanotech. **10**, 429 (2015)
[News and views, Nat. Nanotech](#)
[Cover, Nat. Nanotech](#)
- 8) [Gallium Plasmonics: Deep Subwavelength Spectroscopic Imaging of Single and Interacting Gallium Nanoparticles](#)
M. W. Knight, T. Coenen, Y. Yang, B. J. M. Brenny, M. Losurdo, A. S. Brown, H. O. Everitt, and A. Polman, *ACS Nano* **9**, 2049 (2015)
- 9) [Optical properties of single plasmonic holes probed with electron beam excitation](#)
T. Coenen, and A. Polman, *ACS Nano* **8**, 7350 (2014)
- 10) [Quantifying coherent and incoherent cathodoluminescence in semiconductors and metals](#)
B. J. M. Brenny, T. Coenen, and A. Polman, *J. Appl. Phys.* **115**, 244307 (2014)

- 11) [Nanoscale excitation mapping of plasmonic patch antennas](#)
A. Motashami, T. Coenen, A. Polman and A. F. Koenderink, ACS Photon. **1**, 1134 (2014)
- 12) [Directional emission from a single plasmonic scatterer](#)
T. Coenen, F. Bernal Arango, A. F. Koenderink, and A. Polman, Nat. Commun. **5**, 3250 (2014)
- 13) [Experimental verification of \$n=0\$ structures for visible light](#)
E.J.R. Vesseur, T. Coenen, H. Caglayan, N. Engheta, and A. Polman, Phys. Rev. Lett. **109**, 013902 (2013), PRL Editor's choice, [Viewpoint in Physics 6, 1 \(2013\)](#), and highlighted in [Science 338, 727 \(2012\)](#) and [Nature 493, 143 \(2013\)](#)
- 14) [Resonant Mie modes of single silicon nanocavities excited by electron irradiation](#)
T. Coenen, J. van de Groep, and A. Polman, ACS Nano **7**, 1689 (2013)
- 15) [The Planar Parabolic Optical Antenna](#)
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- 16) [Deep-subwavelength imaging of the modal dispersion of light](#)
R. Sapienza, T. Coenen, J. Renger, M. Kuttge, N. F. van Hulst, and A. Polman, Nature Mater. **11**, 781 (2012)
- 17) [Dispersive ground plane antennas core-shell type optical monopole antennas fabricated with electron beam induced deposition](#)
H. Acar, T. Coenen, A. Polman, and L. Kuipers, ACS Nano **6**, 8226 (2012)
- 18) [Signature of a Fano-resonance in a plasmonic meta-molecule's local density of optical states](#)
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- 19) [Polarization-sensitive cathodoluminescence Fourier microscopy](#)
T. Coenen and A. Polman, Opt. Express **20**, 18679 (2012)
- 20) [Deep-subwavelength spatial characterization of angular emission from single-crystal Au plasmonic ridge nanoantennas](#)
T. Coenen, E. J. R. Vesseur, and A. Polman, ACS Nano **6**, 1742 (2012)
- 21) [Plasmonic whispering gallery cavities as optical nanoantennas](#)
E. J. R. Vesseur and A. Polman, Nano Lett. **11**, 5524 (2011)
- 22) [Controlled spontaneous emission from plasmonic whispering gallery nanoantennas](#)
E. J. R. Vesseur and A. Polman, Appl. Phys. Lett. **99**, 231112 (2011)
- 23) [Angle-resolved cathodoluminescence imaging spectroscopy](#)
T. Coenen, E. J. R. Vesseur, and A. Polman, Appl. Phys. Lett. **99**, 143103 (2011)

- 24) *Imaging of hidden modes in ultra-thin plasmonic strip antennas by cathodoluminescence*
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- 25) *Directional emission from plasmonic Yagi-Uda antennas probed by angle-resolved cathodoluminescence*
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Non peer-reviewed journals

- 1) *Antennes bepalen waarheen en hoe snel een foton uitgezonden wordt*
T. Coenen, M. Frimmer, A. Polman, and A. F. Koenderink, Ned. Tijdschrift v. Natuurkunde (Journal of the Dutch Physical Society) **78**, 62-66 (2011).
- 2) *Plasmonic excitation and manipulation with an electron beam*
E. J. R. Vesseur, J. Aizpurua, T. Coenen, A. Reyes-Coronado, P. E. Batson, A. Polman, MRS Bulletin **37**, 752 (2012)
- 3) *Cathodoluminescence microscopy: Optical imaging and spectroscopy with deep-subwavelength resolution*
T. Coenen, B. J. M. Brenny, E. J. R. Vesseur, and A. Polman, MRS Bulletin **40**, 359 (2015)

PhD theses

- 1) *Angle-resolved cathodoluminescence nanoscopy*, T. Coenen, University of Amsterdam (2014)
- 2) *Electron beam imaging and spectroscopy of plasmonic nanoantenna resonances*, E. J. R. Vesseur, Utrecht University (2011)

Magazines

- 1) *A New Cathodoluminescence System for Nanoscale Optics, Materials Science, and Geology*, T. Coenen, S. V. den Hoedt & A. Polman, Microscopy Today, Volume 24, Issue 03, May 2016, pp 12 - 19