

Stanford

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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Inverse Design of Metasurfaces Based on Coupled-Mode Theory and Adjoint Optimization** *ACS PHOTONICS*
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- **Self-Focused Thermal Emission and Holography Realized by Mesoscopic Thermal Emitters** *ACS PHOTONICS*
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- **Subwavelength angle-sensing photodetectors inspired by internally coupled ears in small animals**
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- **Subwavelength angle-sensing photodetectors inspired by directional hearing in small animals** *NATURE NANOTECHNOLOGY*
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- **Silicon single-photon avalanche diodes with nano-structured light trapping** *NATURE COMMUNICATIONS*
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- **High-sensitivity silicon ultraviolet p plus -i-n avalanche photodiode using ultra-shallow boron gradient doping** *APPLIED PHYSICS LETTERS*
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- **Subwavelength Angle Sensing Photodetector**
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- **Simulation of a high-efficiency and low-jitter nanostructured silicon single-photon avalanche diode** *OPTICA*
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- **Analog of superradiant emission in thermal emitters** *PHYSICAL REVIEW B*
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