

Stanford



Stefan Fischer

Postdoctoral Research Fellow, Materials Science and Engineering

Bio

PROFESSIONAL EDUCATION

- Doctor Rerum Naturium, Albert Ludwigs Universität Freiburg (2014)
- Diplom, Albert Ludwigs Universität Freiburg (2009)
- Vordiplom, Ruprecht Karl Universität Heidelberg (2006)

STANFORD ADVISORS

- Jennifer Dionne, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

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 - **Precise tuning of surface quenching for luminescence enhancement in core-shell lanthanide-doped nanocrystals.** *Nano letters*
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 - **Enhancing Quantum Yield via Local Symmetry Distortion in Lanthanide-Based Upconverting Nanoparticles** *ACS PHOTONICS*
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 - **Upconversion in a Bragg structure: photonic effects of a modified local density of states and irradiance on luminescence and upconversion quantum yield** *OPTICS EXPRESS*
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 - **Record efficient upconverter solar cell devices with optimized bifacial silicon solar cells and monocrystalline BaY2F8:30% Er3+ upconverter** *SOLAR ENERGY MATERIALS AND SOLAR CELLS*
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