

# Dr. Volker Strauss

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## Contact:

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New Carbonization Concepts [↗](#)

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## Research interests

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- Experimental physico-chemical materials science
- (flexible) electronic and optoelectronic devices (sensors, energy storage, catalysis, res.switches)
  - laser-carbonized materials / nanocomposites
  - carbon allotropes and  $\pi$ -conjugated materials
  - sustainable materials / porous materials
  - interfaces

## Experience

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- since 04/2019** **Group Leader**, MAX PLANCK INSTITUTE OF COLLOIDS AND INTERFACES, POTSDAM
- 10/2018 – 3/2019** **Post-doctoral scholar**, MAX PLANCK INSTITUTE OF COLLOIDS AND INTERFACES (Prof. Antonietti)
- 10/2016 – 9/2018** **Post-doctoral scholar**, UNIVERSITY OF CALIFORNIA, LOS ANGELES (Prof. Kaner)
- 4/2012 – 9/2016** **Research assistant**, UNIVERSITY OF ERLANGEN-NÜRNBERG (Prof. Guldi)
- 5/2009 – 8/2009** **Research intern**, CLEMSON UNIVERSITY/USA (Prof. Echegoyen)

## University degrees

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- 2016** Dr. rer nat., UNIVERSITY OF ERLANGEN-NÜRNBERG (*summa cum laude*)
- 2012** M.Sc., UNIVERSITY OF ERLANGEN-NÜRNBERG (*grade: 1.0*)
- 2010** B.Sc. UNIVERSITY OF ERLANGEN-NÜRNBERG (*grade: 1.8*)

## Publications

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- 50 peer-reviewed journal articles
- 2 patents
- 28 conference contributions (oral and poster)

## Teaching

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- SS2019** Physical chemistry of interfaces (24 DS), UNIVERSITY OF POTSDAM
- WS2019/2020** Modern Aspects of Colloid Science (4 DS), UNIVERSITY OF POTSDAM
- SS2021** Physical chemistry of interfaces (24 DS), UNIVERSITY OF POTSDAM
- WS2021/2022** Fundamental Colloid Chemistry (4 DS), UNIVERSITY OF POTSDAM
- WS2021/2022** Colloid Science - Carbon Materials (2 DS), ARIEL UNIVERSITY
- SS2022** Nanomaterials (6 DS), HUMBOLDT UNIVERSITY BERLIN

## Awards and Fellowships

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- 2020** VCI Grant for material expenses
- 2021**
- 2017-** Research scholarship of the (DFG)
- 2018** Research scholarship of the (DFG)
- 2017** German Dissertation Award (1<sup>st</sup> in natural sciences)
- 2017** Staedtler Award for outstanding university research
- 2015** Member of the Next-Generation Advisory Board for CHEM (CellPress)
- 2013-2015** Research scholarship of the Bavarian state government
- 2013** Project Award of the GSMS winterschool
- 2012-2016** Fellow and stipendiary of the GRADUATE SCHOOL OF MOLECULAR SCIENCE (GSMS – Erlangen)
- 2007** GDCh-Award for the best chemistry exam