

## Scientific Curriculum Vitae

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### Dr.-Ing. Björn Corzilius

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Date of birth: July 30<sup>th</sup>, 1979  
Place of birth: Dieburg, Germany  
Nationality: German  
Marital status: married  
Children: one son

Languages spoken: German (native)  
English (fluent)  
French (basic)



### Institute address:

Institut für Physikalische und Theoretische Chemie  
Institut für Biophysikalische Chemie  
Biomolekulares Magnetresonanzzentrum (BMRZ)  
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## EDUCATION

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### Ph.D. (Dr.-Ing.) in Physical Chemistry

2008

Technical University Darmstadt Darmstadt, Germany  
Dissertation: Electromagnetic Properties of Single-Walled Carbon Nanotubes Investigated by  
Microwave Absorption  
Final Grade: with distinction (summa cum laude)

### Diploma (Dipl.-Ing.) in Physical Chemistry

2005

Technical University Darmstadt Darmstadt, Germany  
Thesis: Präparation und EPR-Untersuchung von endohedral paramagnetisch dotierten  
Fulleren-Peapods N@C<sub>60</sub>@SWNT und N@C<sub>70</sub>@SWNT  
Final Grade: Very good

## HONOURS AND AWARDS

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<b>Felix-Bloch-Lecture</b> Magnetic Resonance Division of the German Chemical Society (GDCh)	2016
<b>Emmy Noether Fellowship</b> Deutsche Forschungsgemeinschaft	2012
<b>Research Fellowship</b> Deutsche Forschungsgemeinschaft Host: Prof. Dr. Robert G. Griffin, Massachusetts Institute of Technology	2009
<b>Alarich-Weiss-Preis</b> Fachbereich Chemie, Technische Universität Darmstadt	2006
<b>Dr.-Anton-Keller-Preis</b> Fachbereich Chemie, Technische Universität Darmstadt	2002
<b>Buchpreis des Fonds der Chemischen Industrie</b> Fonds der Chemischen Industrie	1999

## GRANTS RECEIVED

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<b>CRC 902: Molecular mechanisms in RNA-based regulation (2<sup>nd</sup> period)</b> Principal investigator of subproject A10: <i>RNA structure elucidation using site-specific dynamic nuclear polarization in the solid state.</i> Deutsche Forschungsgemeinschaft	2015
<b>Nachwuchswissenschaftler/innen im Fokus</b> Goethe-Universität Frankfurt am Main	2013
<b>Emmy Noether Fellowship CO802/2-1</b> <i>Investigation of site-specific dynamic nuclear polarization on biomolecules</i> Deutsche Forschungsgemeinschaft	2012
<b>Research Fellowship CO802/1-1</b> Deutsche Forschungsgemeinschaft	2009

## RESEARCH EXPERIENCE

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<b>Goethe University Frankfurt</b> Emmy Noether Research Group Leader	Frankfurt am Main, Germany since 2013
<b>Massachusetts Institute of Technology</b> Postdoctoral Fellow and Associate, Advisor: Prof. Robert G. Griffin	Cambridge, MA 2009–2013
<b>Technical University Darmstadt</b> Doctoral Researcher, Advisor: Prof. Klaus-Peter Dinse	Darmstadt, Germany 2005–2008
<b>Technical University Darmstadt</b> Graduate Researcher (Diploma thesis), Advisor: Prof. Klaus-Peter Dinse	Darmstadt, Germany 2004–2005

## TEACHING EXPERIENCE

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<b>Goethe University Frankfurt</b> Faculty Member Institute of Physical and Theoretical Chemistry	Frankfurt am Main, Germany since 2013
<b>Technical University Darmstadt</b> Teaching Assistant Eduard Zintl Institute for Inorganic and Physical Chemistry	Darmstadt, Germany 2005–2008

## ENGAGEMENT IN SCIENTIFIC COMMUNITY

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### Professional Associations

- Gesellschaft Deutscher Chemiker (GDCh)
- Deutsche Bunsengesellschaft für Physikalische Chemie
- GDCh Fachgruppe Magnetische Resonanzspektroskopie
- International EPR Society

## BIBLIOMETRICS (as of 10/06/16)

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37 peer-reviewed journal articles (7 corresponding authorships, 14 first or shared first authorships)  
4 non peer-reviewed invited articles (including 2 first and 2 corresponding authorships)  
1 patent (issued as US patent and filed internationally)

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