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career	since 09.2019:	Guest Professor of Materials Science at Shanghai Jiao Tong University, China
	since 01.2018:	Courtesy Appointment to the TU Dresden – King's College London <i>transcampus</i>
	since 01.2013:	Courtesy Appointment to the Physics Department at TU Dresden, Germany
	since 11.2011:	Adjunct Professor of Chemistry at the University of Alabama, USA
	since 11.2009:	Honorary Professor of Electronic Engineering at POSTECH, South Korea
	since 10.2007:	Chair "Materials Science and Nanotechnology" (full professor, W3), School of Engineering Sciences (Department of Materials Science) at TU Dresden
	2003-2007:	Head of the VW-Foundation independent research group <i>Molecular Computing</i> , Department of Physics, University of Regensburg, Germany
	2001-2002:	Schloßmann award fellow, Max Planck Institute PKS, Dresden, Germany
	1998–2000:	Guest scientist, Max Planck Institute PKS, Dresden, Germany
	1997–1998:	Postdoctoral Research Associate, Università di Genova, Italy
education	grad:	1997 Ph.D. in Physics, Università di Genova, Italy
	undergrad:	1994 Laurea (M.Sc.) in Physics, Università di Genova, Italy
publications & presentations	523	works in international journals and refereed volumes including 4 book (edited for Springer Lecture Notes in Physics), 9 reviews and 46 letters (including Nature Journals Papers), 279 works as first or last author
	10	patents
	499	abstracts in conferences, workshops, or sci-schools (91 as invited talks)
	116	invited talks at universities, research centers including invited public talks
keywords		materials modeling and transport phenomena, electronic olfaction sensors, bottom-up assembly and molecular biosensing, molecular (bio)electronics, heat and charge migration from mesoscopic to molecular systems
grants & awards	since 2003:	more than €30m third party grants among others from the European Union, the German Research Foundation (DFG), the German Ministry of Education and Research (BMBF), the Volkswagen Foundation.
	since 2023:	Fellow of the Royal Society of Chemistry (RSC)
	since 2022:	Member of the Germany National Academy of Science and Engineering (acatech) Fellow of the American Physical Society (APS)
	since 2021:	Member of the Academia Europaea
	since 2019:	Member of the European Academy of Sciences
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	ResearcherID:	https://researcherid.com/rid/B-7192-2008

selected recent publications (out of 523)

- S. Huang, A. Croy, A. L. Bierling, V. Khavrus, L. A. Panes-Ruiz, A. Dianat, B. Ibarlucea, and G. Cuniberti, *Machine learning-enabled graphene-based electronic olfaction sensors and their olfactory performance assessment*, *Applied Physics Reviews* **10**, 021406 (2023).
doi: 10.1063/5.0132177
- E. Baek, N. R. Das, C. V. Cannistraci, T. Rim, G. S. C. Bermúdez, K. Nych, H. Cho, K. Kim, C. K. Baek, D. Makarov, R. Tetzlaff, L. Chua, L. Baraban, and G. Cuniberti, *Intrinsic plasticity of silicon nanowire neurotransistors for dynamic memory and learning functions*, *Nature Electronics* **3**, 398-408 (2020).
doi: 10.1038/s41928-020-0412-1
- C. Gaul, S. Hutsch, M. Schwarze, K. S. Schellhammer, F. Bussolotti, S. Kera, G. Cuniberti, K. Leo, and F. Ortmann, *Insight into doping efficiency of organic semiconductors from the analysis of the density of states in n-doped C₆₀ and ZnPc*, *Nature Materials* **17**, 439 (2018).
doi: 10.1038/s41563-018-0030-8
- J. Schütt, B. Ibarlucea, R. Illing, F. Zörgiebel, S. Pregl, D. Nozaki, W. M. Weber, T. Mikolajick, L. Baraban, and G. Cuniberti, *Compact nanowire sensors probe microdroplets*, *Nano Letters* **16**, 4991 (2016).
doi: 10.1021/acs.nanolett.6b01707
- H. Sevinçli, C. Sevik, T. Çain, and G. Cuniberti, *A bottom-up route to enhance thermoelectric figures of merit in graphene nanoribbons*, *Nature Scientific Reports* **3**, 1228 (2013).
doi: 10.1038/srep01228
- M. H. Rummeli, C. G. Rocha, F. Ortmann, I. Ibrahim, H. Sevinçli, F. Börrnert, J. Kunstmann, A. Bachmatiuk, M. Pötschke, M. Shiraishi, M. Meyyappan, B. Büchner, S. Roche, and G. Cuniberti, *Graphene: Piecing it Together*, *Advanced Materials* **23**, 4471 (2011).
doi: 10.1002/adma.201101855
- R. Gutiérrez, R. A. Caetano, B. P. Woiczikowski, T. Kubar, M. Elstner, and G. Cuniberti, *Charge transport through bio-molecular wires in a solvent: Bridging molecular dynamics and model Hamiltonian approaches*, *Physical Review Letters* **102**, 208102 (2009).
doi: 10.1103/PhysRevLett.102.208102
- E. Shafir, H. Cohen, A. Calzolari, C. Cavazzoni, D. A. Ryndyk, G. Cuniberti, A. Kotlyar, R. Di Felice, and D. Porath, *Electronic structure of single DNA molecules resolved by transverse scanning tunneling spectroscopy*, *Nature Materials* **7**, 68 (2008).
doi: 10.1038/nmat2060
- M. Del Valle, R. Gutiérrez, C. Tejedor, and G. Cuniberti, *Tuning the conductance of a molecular switch*, *Nature Nanotechnology* **2**, 176 (2007).
doi: 10.1038/nnano.2007.38
- N. Nemeč, D. Tománek, and G. Cuniberti, *Contact dependence of carrier injection in carbon nanotubes: An ab initio study*, *Physical Review Letters* **96**, 076802 (2006).
doi: 10.1103/PhysRevLett.96.076802
- G. Cuniberti, G. Fagas, and K. Richter (Eds.), *Introducing Molecular Electronics (book)*, *Lecture Notes in Physics* **680**, (2005).
doi: 10.1007/b101525