

# OLGA BOLTALINA

## EDUCATION

- Doctor of Sciences (aka, Habilitation), Physical Chemistry, Lomonosov Moscow State University, Moscow, Russia, 1998.
- Ph.D., Physical Chemistry, Lomonosov Moscow State University, Moscow, Russia, 1990.
- M.S., Chemistry (cum laude), Lomonosov Moscow State University, Moscow, Russia, 1982.

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## PROFESSIONAL EXPERIENCE

- Senior Research Scholar III, CSU, 2013–present
- Senior Researcher/Postdoctoral Fellow, Colorado State University, Fort Collins, USA, 2001–2013
- Professor of Physical Chemistry Lomonosov Moscow State University, Moscow, Russia, 2003–2005; retired.
- Lead Scientist, Lomonosov Moscow State University, Moscow, Russia, 1998–2003.
- Senior Research Scientist, Lomonosov Moscow State University, Moscow, Russia, 1990–1998.
- Junior Research Chemist, Lomonosov Moscow State University, Moscow, Russia, 1982–1990.

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## PUBLICATIONS

- Principal author of 300 publications in peer-reviewed journals and 12 book chapters. h-index 48. Sum of times cited 6,656; without self-citations 4,954. Ranked among top 2% of the most-cited scientists in the world (<https://data.mendeley.com/datasets/btchxktzyw/2>)
- Principal inventor of U.S. patent and 4 US patent applications; 5 Russian Federation patents.

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## OTHER PROFESSIONAL ACTIVITIES

- Chair, ACS Division of Fluorine Chemistry, 2022.
- Vice Chair, Programs, ACS Division of Fluorine Chemistry, 2019-2021.
- Member, Executive Committee, Nanocarbons Division, ECS, 2018-current.
- Division Secretary, Nanocarbons Division, ECS, 2016-2018.
- Member, Editorial Board, Journal of Fluorine Chemistry, 2015-current.
- Editor/co-editor, Elsevier's book series, Progress in Fluorine Science.

- Program Chair, 19th International Conference on Fluorine Chemistry (Jackson Hole, WY), 08/2009.
- Member, International Advisory Board, International and European Symposia on Fluorine Chemistry, 2005-2018.
- Chair, ECS Smalley Award Selection Committee, 2008-2009.
- Member, International Steering Committee on Fluorine Chemistry, 2007-present.
- Member, Executive Committee of Nanocarbon Division, Electrochemical Society (ECS), 1997-present.
- Member, American Chemical Society, 2001-present.
- Member, Electrochemical Society (ECS), 1997-present.
- Member, American Friends of Humboldt Foundation.
- Advisory Board, Fullerene Science & Technology, 2000-present.
- Organizer/co-organizer of over 20 symposia at ECS Meetings (1998-2009); and ACS National meetings (2013-current).
- Present or past consultant for chemical and technological companies.

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## HONORS AND AWARDS

2022	ACS Division of Fluorine Chemistry Distinguished Service Award
2022	ACS Fellow
2018	Humboldt Research Award (Humboldt Foundation, Germany)
2009-2010	Humboldt Research Award (A. v. Humboldt Foundation, Germany)
2003-2004	F. Bessel Award (Humboldt Foundation, Germany)
2003	Lomonosov Prize, Lomonosov Moscow State University (Russia)
2000	Shuvalov Prize, Lomonosov Moscow State University (Russia)
1998	JSPS Visiting Scholar, Shinshu University, Nagano (Japan)
1998-2001	President of Russia's Award for Young Doctors of Science
1996, 2000	International Author Award, Royal Society (UK)
1994-2000	Royal Society Research Fellowships
1994, 1998	Visiting Researcher, Aarhus University, Institute of Physics and Astronomy (Denmark)

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## INVITED AND KEYNOTE LECTURES

### SELECT EXAMPLES FROM PAST 5 YEARS, TOTAL OF AROUND 100

- "On principles of Molecular Design of Fluorinated Electronic Materials", 26<sup>th</sup> Winter Fluorine Conference, Clearwater, Florida, January 7-13, 2023.
  - "Perfluoroalkyl and Perfluoroaryl Carbon-Rich Electron Acceptors", 21<sup>nd</sup> International Symposium on Fluorine Chemistry, Como, Italy, August 28<sup>th</sup>, 2015.
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- “Electronic Applications of Fluorinated Acceptors”, 22<sup>nd</sup> International Symposium on Fluorine Chemistry, Oxford, UK, July 23d, 2018.
- “Direct High-Temperature Trifluoromethylation of Polycyclic Aromatic Hydrocarbons: New Developments”, 257<sup>th</sup> ACS National Meeting, Orlando, USA, April 1<sup>st</sup>, 2019
- “Synthesis and Applications of Fluorinated Electron Acceptors”, Fluorine Symposium at Collaborative Research Center “Fluorine-Specific Interactions: Fundamentals and Functions”, Berlin, Germany, October 30<sup>th</sup>, 2019.
- “Electron Acceptor Materials by Design: from Molecular Library to Real-World Applications” Kent State University, Kent, USA, September 12th, 2019
- “Organofluorine Electron Acceptors: Design, Synthesis and Applications” Goethe University, Frankfurt, Germany, April 17<sup>th</sup>, 2019.

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**RESEARCH INTERESTS**

Synthesis, properties and applications of fluorinated electron acceptor materials in optoelectronics, nanoscience and nanotechnology; fullerenes, transition-metal fluorides, physical chemistry, gas-phase ion thermochemistry, mass spectrometry, fluorine chemistry.

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