

CURRICULUM VITAE

NAME Peter G. Bruce FRS FRSE FRSC
DEPT. ADDRESS Departments of Materials and Chemistry, University of Oxford, Parks Road, Oxford, OX1 3PH
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EMPLOYMENT

1981-1984 Postdoctoral Research Fellow with Prof. J. B. Goodenough, Head of the Inorganic Chemistry Laboratory, University of Oxford
1984-1990 Lecturer in the Department of Chemistry, Heriot-Watt University
1990-1994 Reader in the Department of Chemistry, University of St Andrews
1994-2007 Professor in the Department of Chemistry, University of St Andrews
1995-1997 Head of Section
1997-2003 Head of School of Chemistry
2007-2013 Wardlaw Professor of Chemistry
2014-to date Wolfson Professor, University of Oxford
2018-to-date Chief Scientists, Faraday Institution
2018- 2023 Vice-President and Physical Secretary Royal Society

FELLOWSHIPS

Elected Fellow of the Royal Society of Edinburgh (Scottish Academy of Sciences), 1995
Elected Fellow of the Royal Society (UK Academy of Sciences), 2007

RESEARCH FELLOWSHIPS, AWARDS AND MEDALS

1. Royal Society of Edinburgh Research Fellowship, 1989-1990
2. Royal Society Pickering Research Fellowship, 1990-1995
3. Leverhulme Fellowship, 1995-1998
4. Royal Society of Chemistry Award in Materials, 1999
5. Royal Society Wolfson Merit Award, 2001
6. Royal Society of Chemistry Beilby Medal, 2003
7. Royal Society of Chemistry Interdisciplinary Award, 2003
8. Royal Society of Chemistry John Jeyes Lectureship and Medal, 2004
9. Royal Society of Edinburgh Gunning Victoria Jubilee Prize Lectureship, 2004
(awarded every 4 years and only every 12 to chemists)
10. Royal Society of Chemistry Solid State Chemistry Award, 2005
11. Electrochemical Society (USA) Battery Division Award, 2008
12. Royal Society of Chemistry Tilden Lectureship, 2009
13. Arfvedson Schlenk Award of the German Chemical Society, 2011
14. Carl Wagner Memorial Award of the Electrochemical Society (USA), 2011
15. Akzo Nobel UK Science Award, 2012, 1st recipient
16. Galileo Galilei Award, 2012
17. Royal Society of Chemistry Barker Medal, 2014
18. International Medal for Materials Science and Technology, MRSI, 2015
19. Honorary member of Materials Research Society of India
20. Highly Cited Researcher, Thomson Reuters, 2015, 2016, 1 of only 6 Materials people in UK
21. Royal Society of Chemistry Liversidge Award, 2016
22. Royal Society Hughes Medal, 2017
23. Honorary Professor of Fudan University, Shanghai, 2017
24. Accepted as member of the Academia Europaea, 2018

INVITED NATIONAL AND INTERNATIONAL CONFERENCE TALKS

Invited to present 544 talks including many plenary or keynote addresses at major international meetings.

PUBLICATIONS

364 papers to date, in high quality international journals, including *Nature*, *Science*, *Nature Materials*, *Nature Medicine*, *Nature Energy*, *Nature Communications*, *J. Am Chem Soc.* H-index 92 (Web of Science) and 114 (Google Scholar)

PATENTS

He holds 21 major patents.

RESEARCH

His research is in the area of energy materials. He endeavors to identify the fundamental scientific challenges, the key unknowns that if understood would unlock the door to advances in energy conversion and storage devices. His research interests embrace materials chemistry and electrochemistry, with a particular emphasis on energy storage, especially lithium and sodium batteries. Recent efforts have focused on the synthesis and understanding of new materials for lithium and sodium-ion batteries, on understanding anomalous oxygen redox processes in transition metal oxides used as high capacity Li-ion cathodes, the challenges of the lithium-air battery and all solid-state batteries.

SERVICE

Bruce is a founder and Chief Scientist of the Faraday Institution for energy storage research in the UK. He has served on many national and international bodies, including the editorial boards of journals including *Advanced Energy Materials*, *Solid State Ionics*, *J. Mater. Chem.*, and the scientific committees of all the major conferences in his field. He has also organised major international conferences.