



Curriculum vitae Europass

Personal Information

Name(s) / Surname(s)

Position

Professional address

Electronic mel

Birthday, Nationality

Wieczorek Władysław

Professor of Chemistry, Faculty of Chemistry Warsaw University of Technology

Department of Inorganic Chemistry and Solid State Technology, Faculty of Chemistry
Warsaw University of Technology, Noakowskiego 3, 00-664 Warszawa, Poland

wladek@ch.pw.edu.pl

April 24th, 1962, Polish

Diplomas, University Degrees

2002

Professorship in Chemistry (Chemical Technology) awarded by the President of Poland

1996

D Sc (Habilitation) Warsaw University of Technology, Faculty of Chemistry

1989

PhD Warsaw University of Technology, Faculty of Chemistry

Positions held

Sept. 2007 – now

Distinguished Professor of Chemistry, Warsaw University of Technology, Faculty of Chemistry, Poland

Sept. 2002 – Sept. 2007

Professor of Chemistry, Warsaw University of Technology, Faculty of Chemistry, Poland

Sept. 1996 – Sept. 2002

Associate Professor of Chemistry, Warsaw University of Technology, Faculty of Chemistry, Poland

May 1993 – Sept. 1996

NATO Post-Doc Fellow, University of Guelph, Canada (Prof. J.R. Stevens)

Sept. 1990- May 1993

Assistant Professor of Chemistry, Faculty of Chemistry, Warsaw University of Technology, Poland

Administrative Responsibilities

Sept. 2016 -now

Dean of the Faculty of Chemistry Warsaw University of Technology

Sept. 2008 – 2016

Vice-Rector Student Affairs at the Warsaw University of Technology

Sept. 2002 – Sept. 2008

Dean of the Faculty of Chemistry, Warsaw University of Technology

Sept. 1996 – Sept. 2002

Vice-Dean Academic of the Faculty of Chemistry, Warsaw University of Technology

Sept. 2006-2012

Chair of the Department of Inorganic Chemistry and Solid State Technology

Promotions & Awards

2002-2010 and 2016 –now

Elected member of the State Committee for Chemical Sciences

1997

Siemens Promotional Award for the Distinguished D Sc Thesis in the Field of Chemistry and Material Science

1993

Nominated NATO Post-doc Fellow

1990

Ministry of Education Award for the Distinguished Ph D Thesis in the Field of Chemistry

Indicators of Research Activities

167

Publications in International Journals (h = 44)

50

Invited oral presentations in International Conferences

> 100

Oral communications and posters in international conferences

13

PhD thesis as principal advisor since 1996

3

Chapter of book

22 (12)

Patents published (International Patents)

Citations Hirsch factor 44 (40)

6148(5159)

Keywords & Domains of Expertise

Solid State Chemistry, Ionic Conductors, Battery materials, Polymer electrolytes, Composites ...

10 most cited publications

- 329 W.Wieczorek, Z. Florjańczyk i J.R. Stevens, "Composite Polyether Based Electrolytes", *Electrochimica Acta* 40 (1995) 2251
- 269 J.Płocharski, W.Wieczorek, "PEO based composite solid electrolyte containing NASICON", *Solid State Ionics* 28-30 (1988) 979
- 196 - W.Wieczorek, Z.Florjańczyk, J.R. Stevens, " Composite polyether based solid electrolytes. The Lewis acid-base approach", *Solid State Ionics* 85 (1996) 67-72,
- 191 W.Wieczorek, D. Raducha, A. Zalewska, J.R. Stevens, „ Effect of salt concentration on the conductivity of PEO-based composite polymeric electrolytes”, *J. Phys. Chem. B* 102 (1998) 8725
- 191 W.Wieczorek , P. Lipka, G. Zukowska, H. Wyciślik, „ Ionic Interactions in polymeric electrolytes based on low molecular weight (poly(ethylene glycol)s)”, *J. Phys. Chem. B.* 102 (1998) 6968
- 148 W.Wieczorek, K.Such, H.Wyciślik, J.Płocharski, "Modifications of Crystalline structure of PEO polymer electrolytes with ceramic additives", *Solid State Ionics* 36 (1989) 255-257,
- 145 J. Przyłuski, M. Siekierski i W. Wieczorek, " Effective medium theory in studies of conductivity of composite polymeric electrolytes", *Electrochimica Acta* 40 (1995) 2101,
- 135 M.Marcinek,A.Bac, P. Lipka, A. Zalewska, G. Żukowska, R. Borkowska, W.Wieczorek, " Effect of filler surface group on ionic interactions in PEG-LiClO₄-Al₂O₃ composite polyether electrolytes" *J. Phys. Chem. B* 104 (2000)
- 127 M. Marcinek, J. Syzdek, M. Marczewski, M. Piszcz, L. Niedzicki, M. Kalita, A. Plewa – Marczevska, A. Bitner, P. Wieczorek, T. Trzeciak, M. Kasprzyk, P. Łęzak, Z. Żukowska, A. Zalewska, W.Wieczorek, „ Electrolytes for Li-ion transport – Review” , *Solid State Ionics* 276 (2015) 107-126
- 111 W.Wieczorek, A. Zalewska, D. Raducha, J.R. Stevens, “ Composite polyether electrolytes with Lewis acid type additives” , *J. Phys. Chem. B.*, 102 (1998) 352-360

10 recent publications

1. M. Armand, P. Johansson, ..., W. Wieczorek, "Review – Development of Huckel type anions. From molecular modeling to industrial commercialization. A success story" *J. Electrochem. Soc.* 167 (2020) 70562
2. M. Kasprzyk, A. Zalewska, W. Wieczorek, "Study of properties of solutions based on ethylene carbonate and poly (ethylene glycol)s with different chain lengths, *J. Phys. Chem. C*, 124 (202) 5046-5052
3. P. Jankowski, W. Wieczorek, P. Johansson, "Functional ionic liquids: Cationic SIE_f –formers for lithium batteries", *Energy Storage Materials* 20(2019) 108-117
4. P. Jankowski, N. Lindhal, J. Weidow, W. Wieczorek, P. Johansson, "Impact of sulfur-containing additives on lithium-ion battery performance. From computational predictions to full –cell assessments", *ACS Appl. Energy Materials* 1 (2018) 2582-2591
5. K. Westman, P. Jankowski, ..., W. Wieczorek, "Diglyme based electrolytes for sodium-ion batteries" *ACS Appl. Energy Materials* 1 (2018) 2671-2680
6. P. Jankowski, M. Poterała, N. Lindhal, W. Wieczorek, P. Johansson, "Chemically soft solid electrolyte interphase forming additives for lithium-ion batteries" *J. Mater. Chem. A* 6 (2018) 22609-22618
7. P. Jankowski, M. Dranka, W. Wieczorek, P. Johansson, "TFSI and TDI anions: probes for solvate ionic liquid and disproportionation –based lithium battery electrolytes", *J. Phys. Chem. Lett.* 8(2017) 3678-3682
8. A. Latoszyńska, P.L. Taberna, P. Simon, W. Wieczorek, "Proton conducting gel polymer electrolytes for supercapacitor applications", *Electrochim. Acta* 242 (2017) 31-37
9. A. Bitner-Michalska, G.M. Nolis, G. Żukowska, A. Zalewska, M. Poterała, T. Trzeciak, M. Dranka, M. Kalita, P. Jankowski, L. Niedzicki, J. Zachara, M. Marcinek, W. Wieczorek, "Fluorine free electrolytes for all solid sodium –ion batteries based on percyano-substituted organic salts" *Sci. Rep.* 7 (2017) 40036
10. P. Jankowski, W. Wieczorek, P. Johansson, "SEI forming electrolytes additives for lithium-ion batteries: development and benchmarking of computational approaches" *J. Molecular Modeling* 23 (2017) 6