Krzysztof Matyjaszewski

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Personal Data

- Born: April 8, 1950 - Konstantynow, Poland.
- Married with two children
- Citizen of Poland and USA

Education

- Polytechnic University of Lodz, Poland, Habilitation, 1985
- Polish Academy of Sciences, Ph.D., 1976 (Prof. S. Penczek, Thesis Advisor)
- Technical (Petrochemical) University of Moscow, B.S./M.S., 1972

Employment

2004 - present	University Professor, Carnegie Mellon University
1998 - present	J.C. Warner Professor of Natural Sciences, Carnegie Mellon University
1994 - 1998	Head, Chemistry Department, Carnegie Mellon University
1985 - 1998	Assistant, Associate and Full Professor, Carnegie Mellon University
1984 – 1985	Research Associate, CNRS and Invited Professor, University of Paris, France
1978 - 1984	Research Associate, Polish Academy of Sciences
1977 - 1978	Post-Doctoral Fellow, University of Florida

Professional Affiliations

- Carnegie Mellon University, Center for Macromolecular Engineering, Director
- Carnegie Mellon University, Controlled Radical Polymerization Consortium, Director
- Carnegie Mellon University, Department of Chemical Engineering, Adjunct Professor
- Carnegie Mellon University, Department of Materials Science, Adjunct Professor
- University of Pittsburgh, Department of Chemical and Petroleum Engineering, Adjunct Professor
- Polish Academy of Sciences, Lodz, Poland, Adjunct Professor
- Lodz Polytechnic, Lodz, Poland, Adjunct Professor
- Visiting Professor at University of Paris (1985, 1990, 1997, 1998, 2005), University of Freiburg (1988), University of Bayreuth (1991), University of Strasbourg (1992), University of Bordeaux (1996, 2004), University of Ulm (1999), University of Pisa (2000), Michigan Molecular Institute (2004), University of Tokyo (2005), Lodz Polytechnic (2009-), University of Pusan, Korea (2010, 2011), Ecole Superieure de Physique Chimie Industrielles, Paris (2011), College de France (2016)
- Affiliate Member- Faculty of the McGowan Institute for Regenerative Medicine, University of Pittsburgh (2009-present)
- McGraw Hill Encyclopedia of Science and Technology, Advisor
- Editor-in-Chief: "Progress in Polymer Science" (IF=25)
- Co-editor-in-Chief "Polymer Science: A Comprehensive Reference", 10 volumes, Elsevier, 2012
- Member of Scientific Advisory Boards: Max Planck Institute of Polymer Research, Mainz Germany (2010-2017); Aachen Leibnitz Institute (2008-); CNRS Institut Charles Sadron, Strasburg, France (2012-), Universite Bordeuax, France (2012-), ESPCI, Paris (2017-)
- Member of Editorial Boards: "Chem.Centr. J.", "ChemPlusChem", "Chinese J. Polym. Sci.", "E-Polymers", "Intern. J. Polym. Mater.", "Internat. J. Appl. Chem.", "J. Inorg. Organomet. Polymers", "Polimery", "Polymer", "J. Nanostruct. Polym.", "J. Polym. Sci., Polym. Chem. Ed.", "Macromol. Chem. Phys.", "Macromol. Rapid Comm.", "Macromol. Research", "Macromol. Synth.", "Polymer", "Polym. Adv. Techn.", "Nanocontainers", "Nano-Micro Letters".
- Past member of Editorial Boards: "Journal of Macromolecular Science", "Macromolecular Reports"; "Macromolecules", "Coll. Czechoslov. Chem. Comm.".

Professional Associations/Society Memberships/Committees

- ❖ National Academy of Engineering (2006-)
- ❖ National Academy of Sciences (2019-)
- ❖ President, Pacific Polymer Federation, (2013-2015)
- ❖ Foreign Member of Polish Academy of Sciences (2004-), Polish Academy of Arts and Sciences (2017-), Russian Academy of Sciences (2012-), Australian Academy of Sciences (2019-)
- ❖ IUPAC: Fellow (2002); Corresponding Member of IUPAC Commission on Polymer Nomenclature
- ❖ ACS, Fellow (2010) and member since 1986
- ❖ ACS Polym. Chem. Div.: Fellow (2010) & Member since 1986; Past Chair of the Polym. Curric. Dev. Award (1987-2001); Member of Program Comm., and Past Chair, Intern. Committee (2003-2016)
- ❖ ACS Polym. Mat. Sci. Eng. Div.: Fellow (2001) & Member since 1986.

Awards & Honors

2021 : Grand Prix de la Fondation de la Maison de la Chimie; **2020** : European Academy of Sciences, Fellow; Paul Flory Polymer Educational Award (ACS); William H. Nichols Medal Award (ACS New York Sections); **2019 :** Chemistry of Materials Award (ACS); Menachem Lewin Award ; Member, National Academy of Sciences ; Fellow, Australian Academy of Sciences; **2018 :** Honorary Degree (*Doctorate Honoris Causa*) University of Coimbra, Portugal; Herman Mark Medal, Austrian Polymer Society, Austria; **2017** : Benjamin Franklin Medal in Chemistry, USA; Honorary Degree (*Doctorate Honoris Causa*) University of Padova, Italy; Medema Award, The Netherlands; Foreign Member: Polish Academy of Arts and Sciences; **2016** : Honorary Degree (*Doctorate Honoris Causa*) University of Poznan, Poland; Casimir Funk Award, Polish Institute of Arts and Sciences, USA **2015** : The International Dreyfus Prize in the Chemical Sciences; Charles Overberger Award (ACS); Honorary Degree (*Doctorate Honoris Causa*) Technion, Haifa, Israel; **2014** : Fellow, National Academy of Inventors ; National Institute of Materials Science (NIMS, Japan), Award ; **2013**:Inaugural AkzoNobel North American Science Award (ACS); Honorary Degree (*Doctorate Honoris Causa*), Pusan National University, South Korea ; Honorary Degree (*Doctorate Honoris Causa*), Universite P & M Curie (Sorbonne), Paris, France ; Smets Lectures Award (Belgium), Madison Marshall Award, North Alabama Section, ACS ; **2012**: Dannie-Heineman Prize; Société Chimique de France Prize; Solomon Lecture Award (Australia); Marie Sklodowska-Curie Science Medal, Pilsudski Institute of America ; Foreign Member of Russian Academy of Sciences; Honorary Fellow of Chinese Chemical Society; Hermann F. Mark Award (ACS); Maria Sklodowska-Curie Medal, Polish Chemical Society; **2011**: Wolf Prize in Chemistry, Israel; Applied Polymer Science Award (ACS); Japanese Society Polymer Science Award; Carnegie Science Award in Advanced Materials; **2010**: American Chemical Society, Fellow; ACS Polymer Division, Fellow; Gutenberg Lecture Award, University of Mainz, Germany; Honorary Degree (*Doctorate Honoris Causa*) l'Institut Polytechnique, Toulouse, France; **2009**: Presidential Green Chemistry Challenge Award; **2008**: Honorary Degree (*Doctorate Honoris Causa*) University of Athens, Greece; **2007**: Hermann F. Mark Senior Scholar Award (ACS); Honorary Degree (*Doctorate Honoris Causa*) Lodz Polytechnic, Poland; **2006**: Member of US National Academy of Engineering; Honorary Degree (*Doctorate Honoris Causa*) Russian Academy of Sciences; **2005**: UK Macro Medal; **2004**: Annual Prize of the Foundation of Polish Science (aka Polish Nobel Prize); Foreign Member of Polish Academy of Sciences; Cooperative Research Award in Polymer Science (ACS); **2002**: Polymer Chemistry Award (ACS); Honorary Degree (*Doctorate Honoris Causa*) University of Ghent, Belgium; **2001**: Pittsburgh Award (ACS); Polymeric Materials Science and Engineering Fellow (ACS); **1999**: Humboldt Award for Senior US Scientists; **1998**: Elf Chair of French Academy of Sciences; **1995**: Carl S. Marvel - Creative Polymer Chemistry Award (ACS); **1989**: Presidential Young Investigator Award (NSF); **1981**: Polish Academy of Sciences Award; **1980**: Polish Chemical Society Award.

Publications and Patents: *See Addendum 1 and 2*

- 24 books, 100 book chapters and >1,179 peer-review papers published
- 64 issued US patents, 36 pending US patent applications; 154 original and derived international patents

Expertise:

- Macromolecular engineering, preparation and processing of precisely controlled polymers to reach targeted materials properties. Correlation of macromolecular structure with macroscopic properties
- Synthesis of well defined macromolecules via living and controlled polymerizations. Radical, cationic, and anionic polymerization of alkenes and heterocyclics. Block, graft and gradient copolymers. Control of chain microstructure and topology. Functional polymers and telechelics
- Preparation of well defined polymers and hybrids for optoelectronic, biomedical and special applications.
- Inorganic and organometallic polymers. Homogeneous and heterogeneous catalysis

Research Impact:

- 142 postdoctoral fellows and over 100 graduate students have been members of the CMU research group.
- 60 international companies from Europe, Japan, South Africa and North America have been members of CRP and ATRP Consortia at CMU; 17 licenses signed for ATRP technology. Commercial production of materials by ATRP has been started in Japan, USA and Europe in 2004.
- The first paper and the first review on ATRP have been cited together >11,000 times (ISI Web of Science or >14,000 Google Scholar), a citation record >115,000 (ISI or 158,000 Google Scholar) has ranked among top 10 scientists in all fields of chemistry world–wide in 2004-2020 (h-index 162 ISI and 191 Google Scholar).

Addendum 1

Books and Papers Published

24 books, 100 book chapters and 1185 peer-reviewed papers

Books:

1. "Cationic Ring-Opening Polymerization", by S. Penczek, P. Kubisa, and K. Matyjaszewski, Hardcover: 156 pages; Publisher: Springer Verlag; Berlin 1980; ISBN: 3-540-10209-4
2. "Cationic Ring Opening Polymerization. Part II: Synthetic Applications", by S. Penczek, P. Kubisa, and K. Matyjaszewski, Hardcover: 317 pages; Publisher: Springer Verlag; Berlin 1985; ISBN: 3-540-13781-5
3. "Cationic Polymerizations: Mechanisms, Synthesis, and Applications", by Krzysztof Matyjaszewski (Editor), Hardcover: 768 pages; Publisher: Marcel Dekker; New York 1996; ISBN: 082479463X
4. "Controlled Radical Polymerization" by K. Matyjaszewski (Editor), Hardcover: 484 pages; Publisher: American Chemical Society; Washington, D.C., 1998; ISBN: 0841235457
5. "Controlled/Living Radical Polymerization: Progress in ATRP, NMP, and RAFT", by Krzysztof Matyjaszewski (Editor); Hardcover: 496 pages; Publisher: American Chemical Society; Washington, D.C., 2000; ISBN: 0841237077
6. "Handbook of Radical Polymerization" by Krzysztof Matyjaszewski, Thomas P. Davis (Editors); Hardcover: 936 pages; Publisher: Wiley-Interscience; Hoboken 2002; ISBN: 047139274X
7. "Statistical, Gradient and Segmented Copolymers by Controlled/Living Radical Polymerizations" by Kelly A. Davis, Krzysztof Matyjaszewski; Hardcover: 203 pages; Publisher: Springer Verlag; Berlin 2002; ISBN: 3-540-43244-2
8. "Advances in Controlled/Living Radical Polymerization", by K. Matyjaszewski (Editor); Hardcover: 704 pages; Publisher: American Chemical Society; Washington, D.C., 2003; ISBN: 0841238545
9. "Controlled/Living Radical Polymerization: from Synthesis to Materials", by K. Matyjaszewski (Editor); Hardcover: 671 pages; Publisher: American Chemical Society; Washington, D.C., 2006; ISBN: 0-8412-3991-3
10. "Macromolecular Engineering: from Precise Macromolecular Synthesis to macroscopic Materials Properties and Applications" by K. Matyjaszewski, Y. Gnanou, L. Leibler (Editors); Hardcover, 4 volumes: 2982 pages; Publisher: Wiley-VCH, 2007, ISBN: 978-3-527-31446-1
11. "Controlled/Living Radical Polymerization: Progress in ATRP", by K. Matyjaszewski (Editor); Hardcover: 423 pages; Publisher: American Chemical Society; Washington, D.C., 2009, ISBN: 978-0-8412-6995-8
12. "Controlled/Living Radical Polymerization: Progress in FRAT, ITP, NMP and OMRP", by K. Matyjaszewski (Editor); Hardcover: 403 pages; Publisher: American Chemical Society; Washington, D.C., 2009, ISBN: 978-0-8412-69956-5
13. "Controlled and Living Polymerizations: From Mechanisms to Materials", A.H.E. Mueller and K. Matyjaszewski (Editors), Wiley-VCH, Weinheim, 2009. ISBN: 978-3-527-32492-7.
14. "New Trends in Polymer Science" Krzysztof Matyjaszewski, Rigoberto Advincula, Enrique Saldívar-Guerra, Gabriel Luna-Bárcenas (Editors), Wiley-VCH, Weinheim, 2009. ISBN: 3-527-32735-5.
15. "Polymer Science: A Comprehensive Reference", Krzysztof Matyjaszewski, Martin Moeller (editors-in-chief), 10 volumes, Elsevier, Oxford, 2012; 7550 pages ISBN: 978-0-444-53349-4
16. "Progress in Controlled Radical Polymerization: Mechanisms and Techniques", by Krzysztof Matyjaszewski, Brent Sumerlin and Nicolay V. Tsarevsky (Editors); Hardcover: 345 pages; Publisher: American Chemical Society; Washington, D.C., 2012; ISBN: 978-0-8412-2699-9
17. "Progress in Controlled Radical Polymerization: Materials and Applications", by Krzysztof Matyjaszewski, Brent Sumerlin and Nicolay V. Tsarevsky (Editors); Hardcover: 327 pages; Publisher: American Chemical Society; Washington, D.C., 2012; ISBN: 978-0-8412-2756-9
18. "New Trends in Polymer Science-MACROMEX 2011", Krzysztof Matyjaszewski, Angel Licea-Claverie, Enrique Saldívar-Guerra, Kenneth J. Wynne. Antonio Martinez-Richa, Rigoberto Advincula (Editors), Wiley-VCH, Weinheim, 2014. ISSN: 1022-1360.
19. "Controlled Radical Polymerization: Mechanisms" by Krzysztof Matyjaszewski, Brent S. Sumerlin, Nicolay V. Tsarevsky, and John Chiefari (Editors), Hardcover 339 pages, Publisher: American Chemical Society; Washington, D.C., 2015; ISBN13: 9780841230484; eISBN: 9780841230491; DOI: 10.1021/bk-2015-1187

20. “Controlled Radical Polymerization: Materials” by Krzysztof Matyjaszewski, Brent S. Sumerlin, Nicolay V. Tsarevsky, and John Chiefari (Editors), Hardcover 361 pages, Publisher: American Chemical Society; Washington, D.C., 2015; ISBN13: 9780841230507; eISBN: 9780841230514; DOI: 10.1021/bk-2015-1188
21. “Advances in Polymer Science-MACROMEX 2014", Enrique Saldívar-Guerra, Gabriel Luna-Bárcenas, Krzysztof Matyjaszewski, Rigoberto Advincula, Antonio Martinez-Richa, Angel Licea-Claverie, (Editors Wiley-VCH, Weinheim, 2017. ISSN: 1022-1360
22. “Reversible Deactivation Radical Polymerization: Mechanisms and Synthetic Methodologies” by Krzysztof Matyjaszewski, Haifeng Gao, Brent S. Sumerlin, and Nicolay V. Tsarevsky (Editors), Hardcover 407 pages, Publisher: American Chemical Society; Washington, D.C., 2018; ISBN13: 9780841233188; eISBN: 9780841233171; DOI: 10.1021/bk-2018-1284 vol. 1284
23. “Reversible Deactivation Radical Polymerization: Materials and Applications” by Krzysztof Matyjaszewski, Haifeng Gao, Brent S. Sumerlin, and Nicolay V. Tsarevsky (Editors), Hardcover 307 pages, Publisher: American Chemical Society; Washington, D.C., 2018; ISBN13: 9780841233232; eISBN: 9780841233195; doi:10.1021/bk-2018-1285 vol. 1285
24. “Solution-Processable Components for Organic Electronic Devices”, Beata Łuszczyńska, Krzysztof Matyjaszewski, and Jacek Ulański, (Editors), Hardcover 307 pages, Publisher: Wiley-VCH; Weinheim, 2019; ISBN: 978-3-527-34442-0

Book Chapters:

1. "Structure and Reactivity in the Ring-Opening and Vinyl Cationic Polymerization", S. Penczek, P. Kubisa, K. Matyjaszewski, and R. Szymanski, in "*Cationic Polymerization and Related Processes*" E. J. Goethals Ed., Academic Press, London 1984.
2. "Structure-Reactivities in Ring-Opening Polymerization", S. Penczek, P. Kubisa, S. Slomkowski and K. Matyjaszewski, *ACS Symp. Series*, 286, 117 (1985).
3. "New Synthetic Routes to Polysilanes", K. Matyjaszewski, Y. L. Chen, and H. K. Kim, *ACS Symp. Series*, 360, 78 (1988).
4. "Cationic Polymerization of Styrenes", K. Matyjaszewski in "Comprehensive Polymer Science", Vol. 4, Chapter 41, Pergamon Press, Oxford, 1989.
5. "Modifications of Well-Defined Polysilanes", K. Matyjaszewski, J. Hrkach, H. Kim, K. Ruehl, *ACS Series, "Advances in Chemistry",* 224, 285 (1990).
6. "Catalysts and Initiators as Instruments Controlling Structure of Polymers with Inorganic Backbone", K. Matyjaszewski, *ACS Symp. Ser.* , 496, Chapter 17 (1992)
7. "Polyphosphazene Random and Block Copolymers with Alkoxyalkoxy and Trifluoroethoxy Groups", M. White, K. Matyjaszewski, *ACS Symp. Series*, 572, 311 (1994)
8. "Stereostructure of Polysilanes by Ring Opening Polymerization", E. Fossum, J. Chrusciel, K. Matyjaszewski, *ACS Symp. Series*, 572, 32 (1994)
9. "Synthesis and Properties of Polysilanes Prepared by Ring Opening Polymerization", E. Fossum, K. Matyjaszewski, *ACS Symp. Series*, 579, 433 (1994)
10. "Structural Control in Polysilanes Prepared by Ring-Opening Polymerization", E. Fossum, M. Mohan, K. Matyjaszewski, in "*Progress in Organosilicon Chemistry*", B. Marciniec, J. Chojnowski, Eds., Gordon & Breach Publishers, Basel 1995, Chapter 25, p. 429
11. "Fundamentals and Practical Aspects of "Living" Radical Polymerization", K. Matyjaszewski, in "*Macromolecular Engineering: Recent Advances",* M. Mishra et al. Eds., Plenum , New York, 1995, p.11-24
12. "Mechanistic Aspects of Cationic Polymerization of Alkenes", K. Matyjaszewski, C. Pugh, in "*Cationic Polymerizations*", K Matyjaszewski, Ed., Marcel Dekker, New York, 1996
13. "Polyphosphazene Block Copolymer", M. White, K. Matyjaszewski, *Polymeric Materials Encyclopedia,* J.C. Salomone, Ed., CRC Press, Boca Raton, 1996, vol.9, p. 6556
14. ""Living" Radical Polymerization", D. Mardare, K. Matyjaszewski, *Polymeric Materials Encyclopedia,* J.C. Salomone, Ed., CRC Press, Boca Raton, 1996, vol.5, p. 3840
15. "Polysilylenes by Ring Opening Polymerization of Cyclotetrasilanes", E. Fossum, K. Matyjaszewski, *Polymeric Materials Encyclopedia,* J.C. Salomone, Ed., CRC Press, Boca Raton, vol. 9, p. 6741, 1996
16. "Controlled/Living Carbocationic Polymerization", K. Matyjaszewski, M. Sawamoto, in "*Cationic Polymerizations*", K Matyjaszewski, Ed., Marcel Dekker, New York, 1996
17. "Introduction to Cationic Processes", K. Matyjaszewski, C. Pugh, in "*Cationic Polymerizations*", K Matyjaszewski, Ed., Marcel Dekker, New York, 1996
18. "Synthesis of Functional Polymers by Atom Transfer Radical Polymerization (ATRP)", Krzysztof Matyjaszewski, Veerle Coessens, Yoshiki Nakagawa, Jianhui Xia, Jian Qiu, Scott Gaynor, Simion Coca, Christina Jasieczek, *ACS Symp. Series*, 704, 16 (1998)
19. "Overview. Fundamentals of Controlled /"Living" Radical Polymerization ", K. Matyjaszewski, *ACS Symp. Series*, 685, 2 (1998)
20. "Mechanistic Aspects of Atom Transfer Radical Polymerization", K. Matyjaszewski, *ACS Symp. Series*, 685, 258 (1998)
21. "How to Make Polymer Chains of Various Shapes, Compositions, and Functionalities by Atom Transfer Radical Polymerization (ATRP)", K. Matyjaszewski, S. G. Gaynor *ACS Symp. Series*, 685, 396 (1998)
22. "Molecular Catalysis in the Synthesis of Well Defined (Co)polymers by Radical Mechanisms", K. Matyjaszewski, *Ed. Adv. Chem.*, 6, 1 (1999)
23. "Similarities and Discrepancies between Controlled Cationic and Radical Polymerizations", K. Matyjaszewski, in "*Cationic Polymerization and Related Processes*", J. E. Puskas, Ed., Kluwer Academic, Dordrecht, NATO Science Series E, Vol. 359, 259-268 (1999)
24. "The Preparation of Well-Defined Water Soluble/Swellable (co)Polymers by Atom Transfer Radical Polymerization", S. G. Gaynor, K. Beers, S. Coca, A. Muehlebach, J. Qiu, J. Xia, X. Zhang, K. Matyjaszewski, *ACS Symp. Ser.*, 765, 52-71 (2000)
25. "Effect of Ligands on Copper-Mediated Atom Transfer Radical Polymerization " J. Xia, X. Zhang, K. Matyjaszewski, *ACS Symp. Ser.*, 760, 207-223 (2000)

26. "Polychloroalkanes as ATRP Initiators. Application to the Synthesis of Block Copolymers from the Combination of Conventional Radical Polymerization and ATRP", M. Destarac, B. Boutevin and K. Matyjaszewski, *ACS Symp. Ser.*, 768, 234-247 (2000)
27. "The Copper Catalyst in Atom Transfer Radical Polymerizations - Structural Observations", Guido Kickelbick, Ulrich Reinöhl, Teja S. Ertel, Helmut Bertagnolli, Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 768, 211-222 (2000)
28. "EPR Study of Conventional and Controlled Radical Polymerizations", Atsushi Kajiwara, Krzysztof Matyjaszewski, and Mikiharu Kamachi, *ACS Symp. Ser.*, 768, 68-81 (2000)
29. "Functionalized Polymers by Atom Transfer Radical Polymerization", Scott G. Gaynor and Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 768, 347-360 (2000)
30. "Copolymerization of *n*-Butyl Acrylate with Methyl Methacrylate and PMMA Macromonomers by Conventional and Atom Transfer Radical Copolymerization ", Sebastian G. Roos, Axel H. E. Mueller and Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 768, 361-371 (2000)
31. "Comparison and Classification of Controlled/"Living" Radical Polymerizations", Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 768, 2-26 (2000)
32. "Atom Transfer Free Radical Polymerization", K. Matyjaszewski, Chapter for *"Encyclopedia of Materials: Science and Technology*", Elsevier, Amsterdam, 2001, p. 355-365
33. "General Concepts and History of Living Radical Polymerization", K. Matyjaszewski, Chapter 8 in "*Handbook of Radical Polymerization*", K. Matyjaszewski, T. Davis, Eds., Wiley, New York, 2002, p.361-406.
34. "Fundamentals of Atom Transfer Radical Polymerization", K. Matyjaszewski, J. Xia, Chapter 11 in "*Handbook of Radical Polymerization*", K. Matyjaszewski, T. Davis, Eds., Wiley, New York, 2002, p.523-628.
35. "Future Outlook and Perspectives for Radical Polymerization", K. Matyjaszewski, T. P. Davis, Chapter 16 in "*Handbook of Radical Polymerization*", K. Matyjaszewski, T. Davis, Eds., Wiley, New York, 2002, p.895-900.
36. "Using Atom Transfer Radical Polymerization (ATRP) in Environmentally Benign Processes", Scott Gaynor, Jian Qiu and Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 823 , 113-126 (2002)
37. "Statistical, Gradient and Segmented Copolymers by Controlled/Living Radical Polymerizations", Kelly A. Davis and Krzysztof Matyjaszewski, *Adv. Polym. Sci.*, 159, 1-169 (2002)
38. "Organic/Inorganic Hybrid Materials from Polysiloxanes and Polysilsesquioxanes using Controlled/Living Radical Polymerization", J. Pyun, J. Xia, K. Matyjaszewski, *ACS Symp. Ser.*, 838, 273-284 (2003)
39. "ESR Study and Radical Observation in Transition Metal-Mediated Polymerization, Unified View of Atom-Transfer Radical Polymerization Mechanism", Aileen R. Wang, Shiping Zhu, Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 854 , 161-179 (2003)
40. "Controlled/Living Radical Polymerization: State of ART in 2002", Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 854, 2-9, (2003)
41. Synthesis and Properties of Copolymers with Tailored Sequence Distribution by Controlled/"Living" Radical Polymerization", Jean-François Lutz, Tadeusz Pakula and Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 854 , 268-282 (2003)
42. "Towards Structural and Mechanistic Understanding of Transition Metal Catalyzed Atom Transfer Radical Processes", Tomislav Pintauer and Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 854 , 130-147 (2003)
43. Polymers, particles and surfaces with "hairy" coatings: synthesis, structure, dynamics and resulting properties", Tadeusz Pakula, Piotr Minkin and Krzysztof Matyjaszewski, *ACS Symp. Ser.* 854 , 366-382 (2003)
44. "Controlled/Living Radical Polymerization", Krzysztof Matyjaszewski and James Spanswick, Chapter 17, in "Handbook of Polymer Synthesis", H. Kricheldorf, O. Nuyken, G. Swift, Editors. Dekker, New York, 2004, pp. 895-942.
45. "New Polymer Materials by Atom Transfer Radical Polymerization and other Controlled/Living Radical Polymerization Systems", K. Matyjaszewski in "Contemporary Topics in Advanced Polymer Science and Technology", Q.F. Zhu and S.C. Cheng, Eds., Peking University Press, Peking, China, 2004, ISBN 7-301-07141, p.151-163
46. "New materials by controlled/living radical polymerization". Matyjaszewski, Krzysztof. DECHEMA Monographien (2004), 138(8th International Workshop on Polymer Reaction Engineering, 2004), 107-108.

47. "Radical Polymerization", Christopher Barner-Kowollik, Thomas P. Davis, Krzysztof Matyjaszewski, Philipp Vana, in *"Encyclopedia of Polymer Science and Technology"*, J. I. Kroschwitz, Ed.., 3rd Edition, Volume 11, John Wiley & Sons, New York 2004, pp. 359-473.
48. "Copolymerization", Christopher Barner-Kowollik, Michelle L. Coote, Thomas P. Davis, Krzysztof Matyjaszewski and Philipp Vana, in *"Encyclopedia of Polymer Science and Technology"*, J. I. Kroschwitz, Ed.., 3rd Edition, Volume 9, John Wiley & Sons, New York 2004, pp. 394-445.
49. "Thermoplastic Elastomers by Controlled/Living Radical Polymerization", K. Matyjaszewski, J. Spanswick, Chapter 13 in *"Thermoplastic Elastomers, 3rd Ed.",* G. Holden, H. R. Kricheldorf, R. P. Quirk, Editors. Hanser publishers, Munich, 2004.
50. "Polymer Brushes by Atom Transfer Radical Polymerization", Jeffrey Pyun, Tomasz Kowalewski and Krzysztof Matyjaszewski, in "*Polymer Brushes",* R. Advincula, et al. Ed., Wiley-VCH, Weinheim, 2004,Chapter 2, p.51-68.
51. "Controlling Polymer Chain Topology and Architecture by ATRP from Flat Surfaces", Joanna Pietrasik, Lindsay Bombalski, Brian Cusick, Jinyu Huang, Jeffrey Pyun, Tomasz Kowalewski, Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 912, 28-42 (2005)
52. "Controlled/Living Radical Polymerization: State of Art in 2005", K. Matyjaszewski, *ACS Symp. Ser.*, 944, 2 (2006)
53. "Click Functionalization of Well-Defined (Co)Polymers Prepared by ATRP", Brent S. Sumerlin[1], Nicolay V. Tsarevsky, Haifeng Gao, Patricia Golas, Guillaume Louche, Robert Y. Lee, Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 944, 140 (2006)
54. "Factors Determining the Performance of Copper-Based ATRP Catalysts and Criteria for Rational Catalyst Selection", Nicolay V. Tsarevsky*, Wei Tang, Samuel J. Brooks, and Krzysztof Matyjaszewski, *ACS Symp. Ser.*, 944, 56 (2006)
55. "Acrylate-Based Block Copolymers Prepared by Atom Transfer Radical Polymerization as Matrices for Drug Delivery Applications", Robert E. Richard, Marlene Schwarz, Shrirang Ranade, A. Ken Chan, Krzysztof Matyjaszewski, Brent Sumerlin, *ACS Symp. Ser.*, 944, 234 (2006)
56. **"**Grafting Chromatographic Stationary Phase Substrates by Atom Transfer Radical Polymerization", Patrick McCarthy, Nicolay V. Tsarevsky, Lindsay Bombalski, Krzysztof Matyjaszewski, and Christopher Pohl, *ACS Symp. Ser.*, 944, 252 (2006)
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