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Professional Experience

- July 2020-present, Mackenzie Family Eminent Distinguished Professor, Department of Chemistry, University of North Carolina, Chapel Hill, NC, USA.
- July 2015-June 2020, Alan N. Gent Ohio Research Scholar, Professor of Polymer Science, Department of Polymer Science, University of Akron, Akron, OH, USA.
- January 2013-June 2015, Program Director, Condensed Matter and Materials Theory Program, Division of Materials Research, National Science Foundation, Arlington, VA, USA.
- August 2010-June 2015, Professor, Department of Physics & Institute of Materials Science, University of Connecticut, Storrs, CT, USA.
- August 2005-August 2010, Associate Professor, Department of Physics & Institute of Materials Science, University of Connecticut, Storrs, CT, USA.
- August 2001-August 2005, Assistant Professor, Department of Physics & Institute of Materials Science, University of Connecticut, Storrs, CT, USA.
- October 1995-August 2001, Research Associate, Department of Chemistry, University of North Carolina at Chapel Hill, NC, USA.
- April 1995-October 1995, Research Associate, Groupe de Physico-Chimie Theorique, ESPCI, Paris, France.
- July 1993-March 1995, Visiting Scientist, Department of Physics and Astronomy, University of Rochester & Eastman Kodak Company, Rochester, NY, USA.
- 1991-1993, Senior Research Scientist, Department of Applied Mathematics, Institute of Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements (IMGRE), Moscow, Russia.

Education

- November 1991, Ph.D. in Polymer Physics, Moscow Institute of Physics and Technology, Moscow, Russia. Thesis: *"Applications of the weak crystallization theory to polymeric systems."*
- June 1987, MS in Chemical Physics, Department of Molecular and Chemical Physics, Moscow Institute of Physics and Technology, Moscow, USSR.

Honors and Awards

- 2019 Fellow of the American Association for the Advancement of Science.
- 2019 Fellow of the Polymer Division, the American Chemical Society.
- 2015 Alan N. Gent Ohio Research Scholar Professor of Polymer Science.
- 2012 Elected to the Gordon Research Conferences Hall of Fame, as a chair of the one of the best GRC in 2012.
- 2012 Director's Award for Faculty Excellence in Teaching and Research, Polymer Program, Institute of Materials Science, University of Connecticut.
- 2012 Saint Gobain Fellowship, ESPCI, Paris, France.
- 2009 Visiting Professor Fellowship, Department of Physics, Universita di Roma "La Sapienza", Rome, Italy.
- 2006 Fellow of the American Physical Society.
- 2006 Elected to the Connecticut Academy of Science and Engineering.
- 2004 Director's Award for Faculty Excellence in Teaching and Research, Polymer Program, Institute of Materials Science, University of Connecticut.

- 1988-The first prize in competition of the young scientists awarded by the Institute of Chemical Physics of the USSR Academy of Sciences for the work "*Two-zone potentials and spinodal decomposition.*"
- 1987-Moscow Institute of Physics and Technology. Graduated with Honors.

Other Experience, Professional Service and Memberships

- 2018 Discussion Leader and Report Writer for Session on "Polymers and Biomaterials", 2018 PIs' Meeting of the MGI program, University of Maryland, College Park, MD.
- 2017 Panel Discussion Member, Opening New Frontiers Workshop on "Advancing and Accelerating Materials Innovation Through the Synergistic Interaction Among Computation, Experiment, and Theory", NSF, Arlington, VA.
- 2016-2018 Editorial Advisory Board, *Macromolecules* and *ACS Macro Letters*.
- 2015-2018 Research Council Member, College of the Polymer Science and Engineering, University of Akron, Akron, OH.
- 2014 DMR Representative, Interagency Working Group (NSF, AFRL, DOE, DOD, ARL, DARPA, NIH, NIST) on "Polymers".
- 2013-2014 NSF Representative, Working Group (NSF, NIST, OSTP White House) for workshop and report on "Combinatorial Approaches to Functional Materials".
- 2013 NSF Representative, Workshop: "Opportunities in the Theoretical and Computational Polymeric Materials and Soft Matter", UCSB, Santa Barbara, CA.
- 2012 Chair, APS-DPOLY Program.
- 2010-2013 Advisory Board Member, Institute of Materials Science, University of Connecticut, Storrs, CT.
- 2010-2012 Member, APS-DPOLY Program Committee.
- 2010-2012 Chair, Gordon Research Conference: Colloidal, Macromolecular and Polyelectrolyte Solutions.
- 2008-2010 Vice Chair, Gordon Research Conference: Colloidal, Macromolecular and Polyelectrolyte Solutions.
- 2007 Chair and Organizer of 32nd New England Conference on Complex Fluids, University of Connecticut, Storrs, CT.
- 2006 Co-chair and Organizer of PMSE Symposium on "Complex Fluids in Confined Spaces", ACS Meeting, Atlanta, GA.
- 2005 Chair and Organizer of 23rd New England Conference on Complex Fluids, University of Connecticut, Storrs, CT.
- 2003-2004 Guest Editor, *Journal of Polymer Science. Part B: Polymer Physics*
- 2003- The American Chemical Society, member
- 1994- The American Physical Society, member.

Patents

1. US Patent 20,160,372,263 A, 2016, "Dielectric Materials Using 2D Nanosheet Network Interlayer", D. H. Adamson, Z. Cui, A. V. Dobrynin.
2. US Patent 20,150,348,669, 2015, "Graphene/Graphite Polymer Composite Foam Derived From Emulsions Stabilized by Graphene/Graphite Kinetic Trapping", DH Adamson, S Woltornist, AV Dobrynin.
3. US Patent 20,140,305,571, 2014, "Formation of a Transparent Conductive Film by Interfacial Graphene Assembly", DH Adamson, S Woltornist, AV Dobrynin.

Bibliography Summary

Google Scholar: <http://scholar.google.com/citations?user=UPjzVhoAAAAJ>

172 Scientific publications.

252 Research presentations at conferences, universities and research laboratories.

List of Publications

A. Book Chapters

- H. Liang, M. Vatankhah-Varnosfaderani, S. Sheiko, A. V. Dobrynin, “Computationally Driven Design of Materials with Tissue-like Mechanical Properties”, ACS Symposium Series: Gels and Other Soft Amorphous Solids 1296, 33-50, 2018, Washington, DC.
- A.V. Dobrynin, “Polyelectrolyte Solutions and Gels” in Oxford Handbook of Soft Condensed Matter, Oxford University Press, 2015, New York, NY.
- A. V. Dobrynin, “Solutions of Charged Polymers” in Comprehensive Polymer Science, 2nd ed. Elsevier, 2012.
- A. V. Dobrynin, “Molecular Simulations of Charged Polymers”, *Chapter 8* in “Simulation Methods for Polymers” Eds., M. Kotlyanskii, D. Theodorou, Marcel Dekker, 2004, New York, NY.

B. Refereed Journals

1. V. Karimkhani, M. Vatankhah-Varnosfaderani, A. N. Keith, E. Dashtimoghadam, B. J. Morgan, M. Jacobs, A. V. Dobrynin, S. S. Sheiko, “Tissue-Mimetic Dielectric Actuators: Free-Standing, Stable, Solvent-Free”, *ACS Appl. Polym. Mater.* **2** (2020), 1741-1745.
2. E. B. Zhulina, S. S. Sheiko, A. V. Dobrynin, O. V. Borisov, “Microphase Segregation in the Melts of Bottlebrush Block Copolymers”, *Macromolecules*, **53** (2020) 2582-2593.
3. R. Sarkar, T-Z Xie, K. J. Endres, Z. Wang, C. N. Moorefield, M. J. Saunders, S. Ghorai, A. K. Patri, C. Wesdemiotis, A. V. Dobrynin, G. R. Newkome, “Sierpinski Pyramids by Molecular Entanglements”, *JACS*, **142** (2020), 5526-5530.
4. Y. Tian, H. Liang, A. V. Dobrynin, “Elastocapillarity and Rolling Dynamics of Solid Nanoparticles on Soft Elastic Substrates”, *Soft Matter*, **16** (2020) 2230-2237.
5. A. N. Keith, M. Vatankhah-Varnosfaderani, C. Clair, F. Fahimipour, E. Dashtimoghadam, A. Lallam, M. Sztucki, D. A. Ivanov, H. Liang, A. V. Dobrynin, S. S. Sheiko, “Bottlebrush Bridge between Soft Gels and Firm Tissues”, *ACS Central Science*, **6** (2020) 413-419.
6. R. Sayko, Z. Wang, H. Liang, M. L. Becker, A. V. Dobrynin. “Degradation of Films of Block Copolymers: Molecular Dynamics Simulations”, *Macromolecules*, **53** (2020) 1270-1280.
7. H. Liang, Z. Wang, A. V. Dobrynin, “Strain-Adaptive Self-Assembled Networks of Linear-Bottlebrush-Linear Copolymers”, *Macromolecules*, **52** (2019) 8617-8624.
8. H. Liang, G. S. Grest, A. V. Dobrynin, “Brush-like Polymers and Entanglements: From Linear Chains to Filaments”, *ACS Macro Letters*, **8** (2019) 1328-1333.
9. Z. Wang, Y. Tian, H. Liang, D. H. Adamson, A. V. Dobrynin, “Electrical Conductivity of Polymer-Graphene Foams: A Computational Study”, *Macromolecules*, **52** (2019) 7379-7385.
10. S. S. Sheiko, A. V. Dobrynin, Perspective: “Architectural Code for Rubber Elasticity: From Super Soft to Superfirm Materials”, *Macromolecules*, **52** (2019) 7531-7546.
11. H. Liang, Z. Wang, A. V. Dobrynin, “Scattering from Melts of Combs and Bottlebrushes: Molecular Dynamics Simulations and Theoretical Study”, *Macromolecules*, **52** (2019) 5555-5562.
12. M. Jacobs, H. Liang, E. Dashtimoghadam, B. J. Morgan, S. S. Sheiko, A. V. Dobrynin, “Nonlinear Elasticity and Swelling of Comb and Bottlebrush Networks”, *Macromolecules*, **52** (2019), 5092-5101.
13. R. Sayko, Z. Cao, H. Liang, A. V. Dobrynin, “Gluing Interfaces with Soft Nanoparticles”, *Langmuir*, **35** (2019), 7277-7284.
14. C. Clair, A. Lallam, M. Rosental, M. Sztucki, M. Vatankhah-Varnosfaderani, A. N. Keith, Y. Cong, H. Liang, A. V. Dobrynin, S. S. Sheiko, D. A. Ivanov, “Strained Bottlebrushes in Super-Soft Physical Networks”, *ACS Macro Letters*, **8** (2019) 530-534.
15. H. Liang, Z. Wang, S. Sheiko, A. V. Dobrynin, “Comb and Bottlebrush Graft Copolymers in a Melt”, *Macromolecules*, **52** (2019) 3942-3950.
16. Y. Tian, H. Liang, A.V. Dobrynin, “Rolling Dynamics of Nanoscale Elastic Shells Driven by Active Particles”, *ACS Central Science*, **4** (2018) 10.1021/acscentsci.8b00632, 1-8.

17. H. Liang, B. J. Morgan, G. Xie, M. R. Martinez, Zhulina E. B., K. Matyjaszewski, S. S. Sheiko, A. V. Dobrynin, "Universality of Entanglement Plateau Modulus of Comb and Bottlebrush Polymer Melts", *Macromolecules*, **51** (2018) 10028-10039.
18. Y. Chen, Z. Wang, M. M. Kulkarni, X. Wang, A. M. Al-Enizi, A. A. Elzatahry, J. F. Douglas, A. V. Dobrynin, A. Karim, "Hierarchically Patterned Elastomeric and Thermoplastic Polymer Films through Nanoimprinting and Ultraviolet Light Exposure", *ACS Omega*, **3** (2018) 15426-15434.
19. M. Jacobs, H. Liang, B. Pugno, A.V. Dobrynin, "Molecular Dynamics Simulations of Surface and Interfacial Tension of Graft Polymer Melts", *Langmuir*, **34** (2018) 12974-12981.
20. Z. Wang, H. Liang, D.H. Adamson, A.V. Dobrynin, "From Graphene-like Sheet Stabilized Emulsions to Composite Polymeric Foams: Molecular Dynamics Simulations", *Macromolecules*, **51** (2018) 7360-7367.
21. H. Liang, Z. Cao, Z. Wang, A.V. Dobrynin, "Surface Stress and a Force Balance at a Contact Line", *Langmuir*, **34** (2018) 7497-7502.
22. S. S. Sheiko, M.H. Everhart, A.V. Dobrynin, M. Vatankhah-Varnosfaderani, "Encoding Tissue Mechanics in Silicone", *Science Robotics*, **3** (2018) eaat7175-1-2.
23. Y. Tian, M. Ina, Z. Cao, S.S. Sheiko, A.V. Dobrynin, "How To Measure Work of Adhesion and Surface Tension of Soft Polymeric materials", *Macromolecules*, **51** (2018), 4059-4067.
24. M. Vatankhah-Varnosfaderani, A. N. Keith, Y. Cong, H. Liang, M. Rosenthal, M. Sztucki, C. Clair, S. Magonov, D. A. Ivanov, A.V. Dobrynin, S.S. Sheiko, "Chameleon-like Elastomers with Molecularly Encoded Strain-Adaptive Stiffening and Coloration", *Science*, **359** (2018) 1509-1513.
25. H. Liang, Z. Cao, W. Zilu, A.V. Dobrynin, "Surface Stress and Surface Tension in Polymeric Networks", *ACS Macro Letters*, **7** (2018) 116-121.
26. H. Liang, S.S. Sheiko, A. V. Dobrynin, "Supersoft and Hyperelastic Polymer Networks with Brush-like Strands", *Macromolecules*, **51** (2018) 638-645.
27. G. I. Peterson, A. V. Dobrynin, M. L. Becker, "Biodegradable Shape Memory Polymers in Medicine", *Advanced Healthcare Materials*, **6** (2017) 1700694-1-16.
28. Z. Wang, H. Liang, A. V. Dobrynin, "Computer Simulations of Continuous 3-D Printing", *Macromolecules*, **50** (2017) 7794-7800.
29. M. Vatankhah-Varnosfaderani, W.F.M. Daniel, M.H. Everhart, A. A. Pandya, H. Liang, K. Matyjaszewski, A.V. Dobrynin, S.S. Sheiko, "Mimicking Biological Stress-Strain Behavior with Synthetic Elastomers", *Nature*, **549** (2017) 497-501.
30. M. Ina, Z. Cao, M. Vatankhah-Varnoosfaderani, M.H. Everhart, W.F.M Daniel, A.V. Dobrynin, S.S. Sheiko, "From Adhesion to Wetting: Contact Mechanics at the Surfaces of Supersoft Brush-like Elastomers", *ACS Macro Letters*, **6** (2017) 854-858.
31. G. I. Peterson, E.P. Childers, H. Li, A.V. Dobrynin, M. L. Becker, "Tunable Shape Memory Polymers from α -Amino Acid-Based Poly(ester urea)s", *Macromolecules*, **50** (2017) 4300-4308.
32. H. Liang, Z. Cao, W. Zilu, S. S. Sheiko, A.V. Dobrynin, "Combs and Bottlebrushes in a Melt", *Macromolecules*, **50** (2017) 3430-3437.
33. S.J. Woltornist, D. Varghese, D. Massucci, Z. Cao, A.V. Dobrynin, D.H. Adamson, "Controlled 3D Assembly of Graphene Sheets to Build Conductive, Chemically Selective and Shape Responsive Materials", *Advanced Materials*, **29** (2017) 1604947-1-6.
34. R. Zhang, B. Lee, C. M. Stafford, J. F. Douglas, A. V. Dobrynin, M. R. Bockstaller, A. Karim, "Entropy-Driven Segregation of Polymer-Grafted Nanoparticles under Confinement", *PNAS* **114** (2017) 2462-2467.
35. X. Hu, J. Zhou, W.F.M. Daniels, M. Vatankhah-Varnoosfaderani, A. V. Dobrynin, S. S. Sheiko, "Dynamics of Dual Networks: Strain Rate and Temperature Effects in Hydrogels with Reversible H-Bonds", *Macromolecules*, **50** (2017) 652-659.
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37. M. Longanecker, A. Modi, A. Dobrynin, S. Kim, G. Yuan, R. Jones, S. Satija, A. Karim, "Reduced Domain Size and Interfacial Width in Fast Ordering Nanofilled Block Copolymer Films by Direct Immersion Annealing" *Macromolecules*, **49** (2016) 8563-8571.
38. G. I. Peterson, A. V. Dobrynin, M. L. Becker, " α -Amino Acid-Based Poly(Ester urea)s as Multishape Memory Polymers for Biomedical Applications", *ACS Macro Lett*, **5** (2016) 1176-1179.
39. Z. Cao, W.F.M. Daniel, M. Vatankhah-Varnosfaderani, S. S. Sheiko, A. V. Dobrynin, "Dynamics of Bottlebrush Networks", *Macromolecules* **49** (2016) 8009-8017.
40. H. Liang, Z. Cao, A. V. Dobrynin, "Molecular Dynamics Simulations of the Effect of Elastocapillarity on Reinforcement of Soft Polymeric Materials by Liquid Inclusions", *Macromolecules*, **49** (2016) 7108-7115.
41. X. Hu, J. Zhou, M. Vatankhah-Varnosfaderani, W.F.M. Daniel, Q. Li, A. P. Zhushma, A. V. Dobrynin, S. S. Sheiko, "Programming Temporal Shapeshifting", *Nature Communications*, **7** (2016) 12919-1-7.
42. C. A. Bell, J. Yu, I. A. Barker, V. X. Truong, Z. Cao, A.V. Dobrynin, M. L. Becker, A. P. Dove, "Independent Control of Elastomer Properties through Stereocontrolled Synthesis", *Angew. Chem. Int. Ed.*, **55** (2016) 13076-13080.
43. Z. Cao, A. V. Dobrynin, "Nanoparticles as Adhesives for Soft Polymeric Materials", *Macromolecules*, **49** (2016) 3586-3592.
44. R. Mohammadi, A. P. Martinez, Y. Kutes, Z. Wang, A. V. Dobrynin, D. H. Adamson, "Grafting-Through: Growing Polymer Brushes by Supplying Monomers through the Surface", *Macromolecules*, **49** (2016) 2477-2483.
45. Y. Li , Z. Niu, J. Burdynska, A. Nese, Y. Zhou, Z. S. Kean, A. V. Dobrynin, K. Matyjaszewski, S. L. Craig, S. S. Sheiko, "Sonication-induced scission of molecular bottlebrushes: Implications of the "hairy" architecture", *Polymer*, **84** (2016) 178-184
46. A. P. Martinez, J. -M Carrillo, A. V. Dobrynin, D. H. Adamson, "Distribution of Chains in Polymer Brushes Produced by a "Grafting From" Mechanism", *Macromolecules*, **49** (2016) 547-553
47. W. F. M. Daniel, J. Burdynska, M. Vatankhah-Varnoosfaderani, K. Matyjaszewski, J. Paturej, M. Rubinstein, A. V. Dobrynin, S. S. Sheiko, "Solvent-free, Super-soft and Super-elastic Bottlebrush melts and Networks", *Nature Materials*, **15** (2016) 183-189.
48. Z. Cao, A. V. Dobrynin, "Contact Mechanics of Nanoparticles: Pulling Rigid Nanoparticles from Soft, Polymeric Surfaces", *Langmuir*, **31** (2015) 12520-12529.
49. Z. Cao, J.-M. Y. Carrillo, S. S. Sheiko, A. V. Dobrynin, "Computer Simulations of Bottle Brushes: From Melts to Soft Networks", *Macromolecules*, **48** (2015) 5006-5015.
50. Z. Cui, Z. Cao, R. Ma, A. V. Dobrynin, D. H. Adamson, "Boron Nitride Surface Activity as Route to Composite Dielectric Films" *ASC Appl. Mater. & Interfaces*, **7** (2015) 16913-16916.
51. Z. Cao, J.-M. Y. Carrillo, M. J. Stevens, A. V. Dobrynin, "Adhesion and Wetting of Soft Nanoparticles on Textured Surfaces: Transition between Wenzel and Cassie-Baxter States", *Langmuir*, **31** (2015) 1693-1703.
52. Z. Cao, A. V. Dobrynin, "Polymeric Droplets on Soft Surfaces: From Neumann's Triangle to Young's Law", *Macromolecules*, **48** (2015) 443-451.
53. S. J. Woltornist, J.-M. Y. Carrillo, T.O. Xu, A. V. Dobrynin, D. H. Adamson, "Polymer/Pristine Graphene Based Composites: From Emulsions to Strong, Electrically Conducting Foams", *Macromolecules*, **48** (2015) 687-693.
54. Z. Cao, M. J. Stevens, A. V. Dobrynin, "Elastocapillarity: Adhesion and Wetting in Soft Polymeric Systems", *Macromolecules*, **47** (2014) 6515-6521.
55. J.-M. Y. Carrillo, A.V. Dobrynin, "Salt Effect on Osmotic Pressure of Polyelectrolyte Solution: Simulation Study" *Polymers*, **6** (2014) 1897-1913.
56. Z. Cao, M. J. Stevens, A. V. Dobrynin, "Adhesion and Wetting of Nanoparticles on Soft Surfaces" *Macromolecules*, **47** (2014) 3203-3209.

57. J. Zhou, S. A. Turner, S. M. Brosnan, Q. Li, J.-M. Y. Carrillo, D. Nykypanchuk, O. Gang, V. S. Ashby, A. V. Dobrynin, and S. S. Sheiko, "Shapeshifting: Reversible Shape Memory in Semicrystalline Elastomers", *Macromolecules*, **47** (2014) 1768-1776.
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59. S. S. Sheiko, J. Zhou, Y. Zhang, J. Arnold, D. Neugebauer, K. Matyjaszewski, C. Tsitsilianis, V. V. Tsukruk, J. -M. Carrillo, A. V. Dobrynin, M. Rubinstein, "Perfect mixing of immiscible macromolecules at fluid interfaces", *Nature Materials*, **12** (2013) 735-740.
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61. J.-M. Y. Carrillo, F. C. MacKintosh, A. V. Dobrynin, Nonlinear Elasticity: from Single Chain to Networks and Gels, *Macromolecules*, **46** (2013) 3679-3692.
62. T. D. Nguyen, J.-M. Y. Carrillo, A. V. Dobrynin, W. M. Brown, A Case Study of Truncated Electrostatics for Simulation of Polyelectrolyte Brushes on GPU Accelerators, *J. Chem. Theor. Sim.*, **9** (2013) 73-83.
63. H. K. Murnen, A. M. Rosales, A. V. Dobrynin, R. N. Zuckermann, R. A. Segalman, Persistence Length of Polyelectrolytes with Precisely Located Charges, *Soft Matter*, **9** (2013) 90-98.
64. J.-M. Y. Carrillo, A. V. Dobrynin, Dynamics of Nanoparticle Adhesion, *J. Chem. Phys.*, **137** (2012) 214902.
65. J.-M. Y. Carrillo, M. W. Brown, A. V. Dobrynin, Explicit Solvent Simulations of Friction between Brush Layers of Charged and Neutral Bottle-Brush Macromolecules, *Macromolecules*, **45** (2012) 8880-8891.
66. J.-M. Y. Carrillo, A. V. Dobrynin, Contact Mechanics of Nanoparticles, *Langmuir*, **28** (2012) 10881-10890.
67. A. J. Oyer, J.-M. Y. Carrillo, C. H. Hire, H. C. Schniepp, A. D. Asandei, A. V. Dobrynin, D. H. Adamson, Stabilization of Graphene Sheets by a Structured Benzene/Hexafluorobenzene Mixed Solvent, *J. Am. Chem. Soc.*, **134** (2012) 5018-5021.
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69. J.-M. Y. Carrillo, D. Russano, A. V. Dobrynin, Friction between Brush Layers of Charged and Neutral Bottle-Brush Macromolecules. Molecular Dynamics Simulations. *Langmuir*, **27** (2011) 14599-14608.
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73. J.-M. Carrillo, S.S. Sheiko, A.V. Dobrynin, "Molecular Dynamics Simulations of Bottlebrush Macromolecules in Two Dimensional Polymeric Melts Under Flow Conditions" *Soft Matter*, **7**(2011) 2805-2811
74. A. V. Dobrynin, J.-M., Y. Carrillo, "Universality in Nonlinear Elasticity of Biological and Polymeric Networks and Gels", *Macromolecules*, **44** (2011) 140-146.
75. J.-M. Y. Carrillo, A. V. Dobrynin, "Molecular Dynamics Simulations of Grafted Layers of Bottle-Brush Polyelectrolytes", *Langmuir*, **26** (2010) 18374-18381.
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77. M. J. Barrett, F. C. Sun, A. Nese, K. Matyjaszewski, J.-M. Y. Carrillo, A. V. Dobrynin, and S. S. Sheiko, "Size Separation of Macromolecules During Spreading", *Langmuir*, **26** (2010) 15339-15344.

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80. J.-M. Y. Carrillo, A. V. Dobrynin, "Effect of the Electrostatic Interactions on Stretching of Semiflexible and Biological Polyelectrolytes", *Macromolecules*, **43** (2010) 2589-2604.
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C. Conference Proceedings

167. P. Patel, J.-H. Jeon, A. V. Dobrynin, P. T. Mather “Simulations of Layer-by-Layer Assembly of Polyelectrolyte Multilayers,” *ANTEC 2005 Proceedings of the 64th Annual Technical Conference & Exhibition*, Boston, MA, May 1-5, Society of Plastics Engineers, 3010-3014.
168. A. V. Dobrynin “Molecular Dynamics Simulations of Layer-by-Layer Assembly of Polyelectrolytes at Charged Surfaces”, *Proceedings of the American Chemical Society, Division of Polymeric Materials: Science and Engineering*, **93** (2005) 36-37.
169. M. Rubinstein, A. N. Semenov, A. V. Dobrynin “Solutions of Associating Polymers” *Proceedings of the American Chemical Society, Division of Polymeric Materials: Science and Engineering*, **81** (1999), 488-489.
170. M. Rubinstein, A. V. Dobrynin, “Hydrophobically Modified Polyelectrolytes” *Proceedings of the American Chemical Society, Division of Polymeric Materials: Science and Engineering*, **81** (1999), 206-207.
171. J. M. DeSimone, D. Betts, T. Johnston, J. M. McClain, S. L. Wells, A. Dobrynin, M. Rubinstein, D. Londono, G. Wignall, R. Triolo “Molecular Engineered Surfactants for CO₂” *Polymer Preprints*, **40** (1999) 435-436.
172. S. L. Wells, E. Buhler, A. Dobrynin, J. M. DeSimone, M. Rubinstein “A Light Scattering Study of Surfactants in CO₂” *Polymer Preprints*, **40** (1999) 472-473.

Invited Lectures and Seminars

1. January 2020, Department of Materials Science, Pennsylvania State University, PA, “Guiding Design of Soft Matter”.
2. November 2019, Department of Mechanical Science and Engineering, University of Illinois, Urbana-Champaign, IL, “Guiding Design of Soft Matter”.
3. August 2019, Department of Chemistry, University of North Carolina, Chapel Hill, NC, “Guiding Design of Soft Matter”.
4. April 2019, ACS Meeting, Orlando, FL, “Computationally Driven Design of Soft Materials”.
5. March 2019, AFRL, Dayton, OH, “Trust in Flexible Electronic Devices and Additive Manufacturing”.
6. November 2018, Michigan Technological University, Houghton, MI, “Polymers and Soft Matter: Where Theory, Simulations and Experiments Meet.”
7. October 2018, University of Alabama, Birmingham, AL, “Polymers and Soft Matter: Where Theory, Simulations and Experiments Meet.”
8. June 2018, ORNL, Oak Ridge, TN, “Polymers and Soft Matter: Where Theory, Simulations and Experiments Meet.”
9. May 2018, PIs’ Meeting of the MGI program, University of Maryland, College Park, MD, “Current Progress in Polymers and Biomaterials”.
10. March 2018, UAkron/Goodyear Workshop, Akron, OH, “Multiscale Computer Simulations of Polymeric Materials”
11. March 2018, APS March Meeting, Los Angeles, CA, “Computationally Driven Design of Soft Materials”.
12. October 2017, International Elastomer Conference, Cleveland, OH, “Graphene in Mixed Solvents: A Path Towards Graphene Films, Emulsions and Foams”.
13. October 2017, AFRL, Dayton, OH, “Trust in Flexible Electronic Devices and Additive Manufacturing”.
14. August 2017, ACS Meeting, Washington, DC, “Elastocapillarity in Polymers and Soft Matter”.
15. March 2017, Georgia Tech, Atlanta, GA, “Simulations and Theory of Polymers and Soft Matter: A Path to Design New Materials”.
16. December 2016, LLNL, San Francisco, CA, “Computationally Driven Materials Design of Polymers and Soft Matter”.

17. November 2016, Alleghany College, Meadville, PA, "Computer Simulations of Polymers and Soft Matter".
18. October 2016, John Carroll University, University Heights, OH,"Computer Simulations of Polymers and Soft Matter".
19. October 2016, Sherwin-Williams, Cleveland, OH, "Computer Simulations of Polymers and Soft Matter: A Path to Design of New Materials".
20. June 2016, Lubrizol, Brecksville, OH, "Electrostatic Interactions and Self-Assembly in Polymeric Systems".
21. March 2016, APS March Meeting, Baltimore, MD, "Electrostatic Interactions and Self-Assembly in Polymeric Systems".
22. December 2015, LLNL, San Francisco, CA,"Polymers and Soft Matter: Where Simulations Theory and Experiments Meet".
23. December 2015, Pacific Polymer Conference, Kauai, HI, "Nonlinear Elasticity of Biological and Polymeric Networks and Gels".
24. November 2015, University of Chicago, Chicago, IL, "Polyelectrolytes in Salt Solutions".
25. November 2015, MRS Meeting, Boston, MA, "Graphene in Mixed Solvents: A Path towards Graphene Films, Emulsions and Foams".
26. May 2015, University of North Carolina at Chapel Hill, Chapel Hill, NC, "Computer Simulations of Polymers and Soft Matter".
27. December 2014, UConn-Fudan University Symposium, University of Connecticut, Storrs, CT, "Computer Simulations of Polymeric Systems".
28. November 2014, University of Akron, Akron, OH, "Wetting and Adhesion at Nanoscale".
29. October 2014, Virginia Tech, Blacksburg, VA, "Contact at Nanoscale: Where Wetting and Adhesion Meet".
30. August 2014, ACS Meeting, San Francisco, CA, "Contact at Nanoscale: Where Wetting and Adhesion Meet".
31. June 2014, Sandia National Laboratories, Albuquerque, NM, "Contact Mechanics at Nanoscale".
32. May 2014, IMS, University of Connecticut, Storrs, CT, "Computer Simulations of Polymers and Soft Matter".
33. March 2014, APS March Meeting, Denver, CO,"Molecular Dynamics Simulations of Polyelectrolyte Solutions".
34. February 2014, Watson Research Center, IBM, Yorktown Heights, NY, "Electrostatic Interactions in Polymeric and Biological Systems".
35. November 2013, George Mason University, Fairfax, VA, "Electrostatic Interactions in Polymeric and Biological Systems".
36. November 2013, John Hopkins University, Baltimore, MD, "Nonlinear Elasticity: From Single Chain to Networks and Gels".
37. July 2013, GRC on Adhesion, South Hadley, MA, "Adhesion of Nanoparticles".
38. April 2013, Louisiana State University, Baton Rose, LA, "Electrostatic Interactions in Polymers and Soft Matter".
39. November 2012, University of Maryland, College Park, MD, "Electrostatic Interactions in Polymers and Soft Matter".
40. October 2012, Northeastern University, Boston, MA, "Effect of Electrostatic Interactions on Friction and Lubrication".
41. September 2012, DMR, NSF, Arlington, VA, "Computer Simulations of Polymers and Soft-Matter."
42. May 2012, Rhodia, Lyon, France, "Electrostatic Interactions in Polymers and Soft Matter".
43. May 2012, Imperial College, London, UK, "Electrostatic Interactions in Polymers and Soft Matter".
44. May 2012, Vrije University, Amsterdam, Netherlands, "Nonlinear Elasticity: From Single Chain to Network and Gels".
45. May 2012, ESPCI, Paris, France, "Nonlinear Elasticity: From Single Chain to Network and Gels".

46. May 2012, ESPCI, Paris, France, "Effect of Electrostatic Interactions on Friction and Lubrication".
47. March 2012, UMASS, Amherst, MA, "Electrostatic Interactions in Polymers and Soft Matter".
48. March 2012, SUNY, Stony Brook, NY, "Electrostatic Interactions in Polymers and Soft Matter".
49. August 2011, Semi Annual ACS Meeting, Denver, CO, "Computer Simulations of Layer-by-Layer Assembly on Porous Substrates".
50. July 2011, University of North Carolina, Chapel Hill, NC, "Adhesion of Nanoparticles and Nanomolding".
51. April 2011, University of Connecticut, Storrs, CT, CSE/UPE seminar series, "Computer Simulations of Polymeric and Biological Systems".
52. March 2011, Semi Annual ACS Meeting, Anaheim, CA, "Adhesion of Nanoparticles".
53. March 2011, University of Akron, Akron, OH, "Charged Polymers".
54. March 2011, University of Akron, Akron, OH, "Computer Simulations of Polymeric and Biological Systems".
55. November 2010, NIST, Washington, DC, "Computer Simulations of Polymers and Soft Matter".
56. June 2010, NERM 2010, Potsdam, NY, "Polyelectrolyte Brushes: From Single Chains to Bundles of Chains".
57. May 2010, Brookhaven National Laboratory, NSLS, "Polyelectrolyte Brushes: From Single Chains to Bundles of Chains".
58. January 2010, Department of Polymer Engineering, University of Akron, Akron, OH, "Conformations of Molecular Brushed. From Flory Theorem to Fingering Instability."
59. November 2009, Department of Aerospace and Mechanical Engineering, University of Virginia, VA, "Molecular Bottle-Brushes".
60. July 2009, Universita di Roma "La Sapienza", Rome, Italy "Polymeric Propulsion and Bacterial Gliding Motility".
61. July 2009, Universita di Roma II, Rome, Italy, "Molecular Bottle Brushes".
62. June 2009, Institute Curie, Paris, France, "Polymeric Propulsion and Bacterial Gliding Motility".
63. June 2009, ESPCI, Paris, France, "Conformations of Molecular Brushed. From Flory Theorem to Fingering Instability."
64. May 2009, University of North Carolina, Chapel Hill, NC, "Molecular Dynamics Simulations of Nanomolding".
65. March 2009, Annual APS Meeting, Pittsburgh PA, "Electrostatic Rigidity of Biological Polyelectrolytes".
66. March 2009, 38th New England Complex Fluid Workshop, Yale University, New Haven, CT, "Conformations of Molecular Brushed. From Flory Theorem to Fingering Instability."
67. April 2008, Pennsylvania State University, College Park, PA, "Computer Simulations of Layer-by-Layer Assembly and Polyelectrolyte Brushes in Poor Solvent Conditions for the Polymer Backbone".
68. March 2008, University of North Carolina, Chapel Hill, NC, "Polymeric Nanopropulsion Engine and Bacterial Gliding Motility".
69. February 2008, Dow Chemical, Midland, MI, "Charged Polymers at Surfaces and Interfaces".
70. February 2008, GRC, Ventura CA, "Comments on Electrostatic Persistence Length".
71. August 2007, 234 ACS National Meeting, Boston, MA, "Molecular Dynamics Simulations of Protein-Polyelectrolyte Complexes".
72. March 2007, Annual APS Meeting, Denver, CO, "Molecular Dynamics Simulations of Layer-by-Layer Assembly of Charged Macromolecules".
73. October 2006, Department of Aerospace and Mechanical Engineering, University of Virginia, VA, "Polymer Confinement and Bacterial Gliding Motility".
74. March 2006, 231 ACS National Meeting, Atlanta, GA, "Polymer Confinement and Bacterial Gliding Motility".
75. March 2006, 231 ACS National Meeting, Atlanta, GA, "A New Necklace Model of Hydrophobic Polyelectrolytes".

76. November 2005, Department of Applied Mathematics, University of Akron, OH, "Computer Simulations of Layer-by-layer Assembly of Charged Macromolecules".
77. August 2005, 230 ACS National Meeting, Washington DC, "Molecular Dynamics Simulations of Layer-by-Layer Assembly of Polyelectrolytes at Charged Surfaces".
78. March 2005, Annual APS Meeting, Los Angeles, CA, "Theories of Polyelectrolyte Solutions", Short Course, DPOLY.
79. September 2004, Department of Chemistry, IUPUI, IN, "Electrostatic Interactions in Complex Fluids, Polymeric Nanomaterials and Biological Systems".
80. April 2004, Electrostatic Interactions and Biophysics, William I Fine Theoretical Physics Institute, University of Minnesota, MN, "Theory and Molecular Simulations of Layer-by-Layer Polyelectrolyte Assembly".
81. February 2004, Department of Chemical Engineering, Rice University, Houston, TX, "Polymers from Nanomaterials to Bacteria Motility".
82. February 2004, SAMSI workshop on Complex Fluids, Chapel Hill, NC, "Molecular Simulations of Layer-by-Layer Polyelectrolyte Assembly".
83. September 2003, Annual ACS Meeting, New York City, NY, "Computer Simulations of Polyelectrolyte Solutions".
84. July 2003, Department of Physics, University of Connecticut, Storrs, CT, "Electrostatic Interactions in Complex Fluids, Polymeric Nanomaterials and Biological Systems".
85. June 2003, Department of Chemical Engineering, Rice University, Houston, TX, "Electrostatic Interactions in Complex Fluids, Polymeric Nanomaterials and Biological Systems".
86. June 2003, Department of Chemical Engineering, Rice University, Houston, TX, "Hydrophobic Polyelectrolytes".
87. February 2003, Department of Materials Science, Northwestern University, Chicago, IL, "Electrostatic Interactions in Polymeric Systems".
88. September 2002, 12th New England Complex Fluid Workshop, Brandeis University, Boston, MA, "Hydrophobic Polyelectrolytes - The Story So Far...".
89. August 2002, Department of Polymer Science and Engineering, University of Massachusetts, Amherst, MA, "Hydrophobic Polyelectrolytes".
90. July 2002, Department of Chemistry, University of North Carolina, Chapel Hill, NC, "Charged Polymers".
91. June 2002, Institute of Theoretical Physics, University of California at Santa-Barbara, Santa-Barbara, CA, "Polyelectrolyte Solutions".
92. May 2002, Aspen Center for Physics, Aspen, CO, "Polyelectrolyte Adsorption".
93. March 2002, Annual APS Meeting, Indianapolis, IN, "Hydrophobic Polyelectrolytes".
94. February 2001, Institute of Materials Science, University of Connecticut, Storrs, CT, "Pearl-Necklace Story of Hydrophobic Polyelectrolytes".
95. November 1999, Annual MRS Meeting, Boston, MA, "Scaling Theory of Hydrophobically Modified Polyelectrolytes".
96. April 1999, Department of Materials Science and Engineering, the Pennsylvania State University, State College, PA, "Electrostatic Interactions in Polymeric Systems".
97. January 1999, Department of Physics, University of North Carolina, Chapel Hill, NC,
98. "Electrostatic Interactions in Polymeric Systems".
99. August 1998, Annual ASC Meeting, Boston, MA, "Adsorption of Polyampholytes".
100. October 1997, 69th Annual Meeting the Society of Rheology, Columbus, Ohio, "Scaling Theory of the Solutions of Associative Polyelectrolytes".
101. June 1997, "Adsorption of Polyampholytes on a Charged Surface", Department of Materials Science and Engineering, the Pennsylvania State University, State College, PA.
102. June 1997, "Thermodynamic Principles of Self-Assembly" (short course of lectures), Department of Materials Science and Engineering, the Pennsylvania State University, State College, PA.

103. March 1996, “Dynamics of Semidilute Polyelectrolyte Solutions”, Annual APS Meeting, St. Louis, MO.
104. February 1996, “Polymers in Random Media”, Department of Physics, UNC at Chapel Hill, NC.
105. October 1995, “Copolymers in Random Media”, CEA, Service de Physique Theorique, CE-SACLEY, France.
106. September 1995, “Phase Separation in Random Heteropolymers near the Lifshitz Point”, E.S.P.C.I., Paris, France.
107. September 1995, “Fluctuation Theory of Random Multi-block Copolymers”, Institute Charles Sadron, Strasbourg, France.
108. May 1994, “Simple View on the Phase Transition in Random Copolymers”, Department of Physics, University of Florida, Gainesville, FL.
109. February 1994, “Weak Crystallization Theory in Copolymer Systems”, Department of Physics and Astronomy, University of Rochester, Rochester, NY.
110. December 1993, “Freezing Transition in Random Copolymers”, Chemistry Department, Harvard University, Boston, MA.
111. December 1993, “Fluctuation Theory of Random Copolymers”, Physics Department, MIT, Boston, MA.

Papers Presented at Conferences

1. March 2020, APS March Meeting, Denver, CO, “Degradation of Block Copolymer Films”, R. Sayko, Z. Wang, M. L. Becker, A. V. Dobrynin.
2. March 2020, APS March Meeting, Denver, CO, “Salt effect on Swelling of polyelectrolyte Networks with Brush-like strands”, M. Jacobs, Z. Wang, A.V. Dobrynin.
3. March 2020, APS March Meeting, Denver, CO, “Graft Polymers and Entanglements”, A. Dobrynin, H. Liang, G. Grest.
4. March 2020, APS March Meeting, Denver, CO, “Elastocapillarity and Rolling Dynamics of Solid Nanoparticles” Y. Tian, H. Liang, A. Dobrynin.
5. March 2020, APS March Meeting, Denver, CO, “Strain Adaptive Self-Assembled Networks of Linear-Bottlebrush-Linear Copolymers”, H. Liang, Z. Wang, A. Dobrynin.
6. March 2020, APS March Meeting, Denver, CO, “Guided Design of Composite Graphene-Polymer Foams: From Graphene Stabilized Emulsions to Electrically Conductive Foams”, Y. Tian, Z. Wang, H. Liang, A. Dobrynin, D. Adamson.
7. March 2020, APS March Meeting, Denver, CO, “Nonlinear Elasticity and Swelling of Comb and Bottlebrush Networks”, M. Jacobs, H. Liang, E. Dashtimoghadam, B. Morgan, S. Sheiko, A. Dobrynin.
8. March 2020, APS March Meeting, Denver, CO, “Nanoparticles as Universal Adhesives”, R. Sayko, Z. Cao, H. Liang, A. Dobrynin.
9. March 2020, APS March Meeting, Denver, CO, “Guided Design of Strain Adaptive Polymer Networks”, H. Liang, A. Dobrynin, M. Vatankhah-Varnosfaderani, A. N. Keith, S. Sheiko.
10. March 2020, APS March Meeting, Denver, CO, “Scattering from Melts of Combs and Bottlebrushes: Molecular Dynamics Simulations and Theoretical Study”, H. Liang, Z. Wang, A. Dobrynin.
11. March 2019, APS March Meeting, Boston, MA, “Rational Design of Strain-Adaptive Elastomers through Polymer Architectures”, H. Liang, M. Vatankhah-Varnosfaderani, S. Sheiko, A. Dobrynin.
12. March 2019, APS March Meeting, Boston, MA, “Effect of Polymer Architectures on the Entanglement of Combs and Bottlebrushes”, H. Liang, B. J. Morgan, M. Martinez, K. Matyjaszewski, S. Sheiko, A. Dobrynin.
13. March 2019, APS March Meeting, Boston, MA, “Soft Nanoparticles as Adhesives for Gel-like Materials”, R. Sayko, Z. Cao, H. Liang, A. Dobrynin.
14. March 2019, APS March Meeting, Boston, MA, “Dynamics of Biodegradation”, R. Sayko, Z. Wang, M.L. Becker, A. Dobrynin.

15. March 2019, APS March Meeting, Boston, MA, "Deformation of Hybrid Networks", M. Jacobs, H. Liang, A. Dobrynin.
16. March 2019, APS March Meeting, Boston, MA, "Force Balance at Contact Lines of Soft Substrates", H. Liang, Z. Cao, Z. Wang, A. Dobrynin.
17. March 2019, APS March Meeting, Boston, MA, "Rolling Dynamics of Nanoscale Elastic Shells Driven by Active Particles", Y. Tian, H. Liang, T. Li, A. Dobrynin.
18. March 2019, APS March Meeting, Boston, MA, "Electrical Conductivity of Graphene-Polymer Composite Foams", Z. Wang, D. Adamson, A. Dobrynin.
19. March 2019, APS March Meeting, Boston, MA, "Surface and Interfacial Tension of Graft Polymer Melts", M. Jacobs, B. Pugnet, H. Liang, A. Dobrynin.
20. March 2018, APS March Meeting, Los Angeles, CA, "Strain Adaptive Stiffening in Self-Assembled Bottlebrush Networks", A.V. Dobrynin, H. Liang, A. Keith, Y. Cong, S. Sheiko.
21. March 2018, APS March Meeting, Los Angeles, CA, "Surface Stress and Surface Tension in Polymeric Networks", H. Liang, Z. Cao, Z. Wang, A. Dobrynin.
22. March 2018, APS March Meeting, Los Angeles, CA, "Computer Simulations of Continuous 3-D Printing", Z. Wang, H. Liang, A. Dobrynin.
23. March 2018, APS March Meeting, Los Angeles, CA, "From Melts of Graft Polymers to Supersoft and Hyperelastic Materials", H. Liang, S. Sheiko, A. Dobrynin.
24. March 2018, APS March Meeting, Los Angeles, CA, "How to Measure Work of Adhesion and Surface Tension of Soft Materials", Y. Tian, M. Ina, Z. Cao, S. Sheiko, A. Dobrynin.
25. March 2018, APS March Meeting, Los Angeles, CA, "Swelling of Composite Graphene/Polymer Foams", A. Dobrynin, Z. Wang, S. Woltornist, D. Adamson.
26. March 2018, APS March Meeting, Los Angeles, CA, "From Graphene Stabilized Emulsions to Foams", Z. Wang, A. Dobrynin, D. Adamson.
27. March 2018, APS March Meeting, Los Angeles, CA, "Mobility of Active Particles on Adhesive Surfaces at Nano- and Micro-Scales", Y. Tian, Z. Cao, H. Liang, A. Dobrynin.
28. March 2018, APS March Meeting, Los Angeles, CA, "Surface and Interfacial Tension of Graft Polymer Melts", M. Jacobs, B. Pugnet, H. Liang, A. Dobrynin.
29. March 2018, APS March Meeting, Los Angeles, CA, "Directed Self-Assembly (DSA) of Block Copolymer Films with Direct Immersion Annealing", A. Karim, M. Longanecker, A. Dobrynin, S. Satija.
30. August 2017, ACS Meeting, Washington, DC, "Computationally Driven Design of Soft Materials", A. Dobrynin, H. Liang, M. Vatankhah-Varnosfaderani, S. Sheiko.
31. March 2017, APS March Meeting, New Orleans, LA, "Dynamics of Bottlebrush Networks" Z. Cao, W. Daniel, M. Vatankhah-Varnosfaderani, S. Sheiko, A. Dobrynin.
32. March 2017, APS March Meeting, New Orleans, LA, "Gluing Gels by Soft Nanoparticles", R. Sayko, Z. Cao, H. Liang, A. Dobrynin.
33. March 2017, APS March Meeting, New Orleans, LA, "From Comb-like Polymers to Bottlebrushes", H. Liang, Z. Cao, A. Dobrynin, S. Sheiko.
34. March 2017, APS March Meeting, New Orleans, LA, "Coarse-Grained Simulations of 3D Printing" Z. Wang, A. Dobrynin.
35. March 2017, APS March Meeting, New Orleans, LA, "Elastocapillarity in Soft Matter: From Wetting and Adhesion to Interface Reinforcement", Z. Cao, A. Dobrynin.
36. March 2017, APS March Meeting, New Orleans, LA, "Reduced Domain Size and Interfacial Width in Nanofilled Block Copolymer Films Dried by Direct Immersion Annealing", A. Karim, M. Longanecker, A. Dobrynin, S. Satija, J. Bang.
37. March 2017, APS March Meeting, New Orleans, LA, "Nanoparticle Order through Soft Patterned Confinement", X. Wang, R. Zhang, S. Bhadauriya, A. V. Dobrynin, M. Bockstaller, A. Karim.
38. March 2017, APS March Meeting, New Orleans, LA, "Linear and Nonlinear Elasticity of Networks Made of Comb-like Polymers and Bottlebrushes", H. Liang, A. V. Dobrynin, M. Everhart, W. Daniels, M. Vatankhah-Varnosfaderani, S. Sheiko.

39. March 2016, APS March Meeting, Baltimore, MD, “Mechanical Properties of Polymeric Nanocomposites with Liquid Inclusions”, H. Liang, Z. Cao, A. Dobrynin.
40. March 2016, APS March Meeting, Baltimore, MD, “Adhesion and Wetting in Soft Polymeric Systems” A. Dobrynin, Z. Cao, M. Stevens.
41. March 2016, APS March Meeting, Baltimore, MD, “Computer Simulations of Bottlebrush Melts and Soft networks”, Z. Cao, J.-M. Carrillo, S. Sheiko, A. Dobrynin.
42. March 2016, APS March Meeting, Baltimore, MD, “Gluing Soft Interfaces by Nanoparticles”, Z. Cao, A. Dobrynin.
43. March 2016, APS March Meeting, Baltimore, MD, “Dynamics of Bottlebrush Networks: A Computational Study”, A. Dobrynin, Z. Cao, S. Sheiko.
44. March 2016, APS March Meeting, Baltimore, MD, “Bottlebrush and Comb-like Elastomers as Ultra-soft electrical and Acoustically Active Materials”, W. Daniel, M. Vatankhah-Varnosfaderani, A. Pandya, J. Burdunska, B. Morgan, M. Everhart, K. Matyjaszewski, A. Dobrynin, M. Rubinstein, S. Sheiko.
45. March 2016, APS March Meeting, Baltimore, MD, “Weak Hydrogen Bonding Yields Rigid, Tough, and Elastic Hydrogels”, S. Sheiko, X. Hu, M. Vatankhah-Varnosfaderani, J. Zhou, Q. Li, A. Dobrynin.
46. March 2015, APS March Meeting, San Antonio, TX, “Isothermal Programming of Triple Shape memory”, Sheiko, S., Zhou, J., Li, Q., Turner, S., Ashby, V., Dobrynin, A.
47. March 2015, APS March Meeting, San Antonio, TX, “Elastocapillarity: Adhesion and Wetting in Soft Polymeric systems”, Cao, Z., Stevens, M., Dobrynin, A.
48. March 2015, APS March Meeting, San Antonio, TX, “Polymer/Pristine Graphene based Composites: From Emulsions to Strong, Electrically Conducting Foams”, Woltornist, S., Carrillo, J.-M., Xu, T., Dobrynin, A., Adamson, D.
49. March 2015, APS March Meeting, San Antonio, TX, “Visco-elasticity of bottlebrush melts: Pushing the lower limit of the entanglement modulus”, Daniel, W., Burdunska, J., Dobrynin, A., Matyjaszewski, K., Rubinstein, M., Sheiko, S.
50. March 2015, APS March Meeting, San Antonio, TX, “Adhesion and Wetting of Soft Nanoparticles on Textured Surfaces: transition between Wenzel and Cassie-Baxter States”, Cao, Z., Stevens, M., Carrillo, J.-M., Dobrynin, A.
51. March 2015, APS March Meeting, San Antonio, TX, “Nonlinear Elasticity of Bottle Brush networks and Gels”, Dobrynin, A.; Cao, Z. ; Carrillo, J.-M., Sheiko, S.
52. March 2014, APS March Meeting, Denver, CO, “Nanoparticle Adhesion on Soft Substrates”, Z. Cao, A. V. Dobrynin, A.J. Oyer, M. Stevens.
53. March 2014, APS March Meeting, Denver, CO, “Effect of Surface Roughness on Nanoparticle Adhesion”, Z. Cao, A. V. Dobrynin, A.J. Oyer, J.-M. Y. Carrillo, M. Stevens.
54. March 2014, APS March Meeting, Denver, CO, “Perfect Mixing of Immiscible macromolecules at fluid interface”, S. Sheiko, K. Matyjaszewski, V. Tsukruk, J.-M. Carrillo, M. Rubinstein. A. V. Dobrynin. J. Zhou.
55. March 2014, APS March Meeting, Denver, CO, “Reversible Shape Memory”, J. Zhou, S. A. Turner, S. M. Brosnan, Q. Li, J.-M. Y. Carrillo, D. Nykypanchuk, O. Gang, V. S. Ashby, A. V. Dobrynin, S. S. Sheiko.
56. March 2014, APS March Meeting, Denver, CO, “Nonlinear Elasticity: From Single Chain to Network and Gels”, A. V. Dobrynin, J.-M Carrillo, F. MacKintosh.
57. March 2014, APS March Meeting, Denver, CO, “Shape Programming through Hierarchic Crystallization of Semicrystalline Elastomers”, J. Zhou, Q. Li, J.-M. Y. Carrillo, V. S. Ashby, A. V. Dobrynin, and S. S. Sheiko.
58. March 2014, APS March Meeting, Denver, CO, “Electrostatic Persistence Length”, J.-M. Y. Carrillo, A. V. Dobrynin, Z. Cao.

59. February 2014, GRC on Colloidal, Macromolecular and Polyelectrolyte Solutions, Ventura, CA, "Nonlinear Elasticity: From Single Chain to Network and Gels", A. V. Dobrynin, J.-M. Carrillo, F. MacKintosh.
60. February 2014, GRC on Colloidal, Macromolecular and Polyelectrolyte Solutions, Ventura, CA, "Nanoparticle Adhesion on Soft Substrates", Z. Cao, A. V. Dobrynin, M. Stevens.
61. March 2013, Annual APS Meeting, Baltimore, MD, "Puzzle of the Electrostatic Persistence Length", J.-M. Y. Carrillo, A. V. Dobrynin.
62. March 2013, Annual APS Meeting, Baltimore, MD, "Formation of Transparent Transferable Graphene Film at Water/Heptane Interface", A. J. Oyer, J.-M. Y. Carrillo, S. J. Woltornist, A. V. Dobrynin, D. H. Adamson.
63. March 2013, Annual APS Meeting, Baltimore, MD, "Nonlinear Elasticity of Biological and Polymeric Networks and Gels", A. J. Oyer, J.-M. Y. Carrillo, A. V. Dobrynin, F. C. MacKintosh.
64. March 2013, Annual APS Meeting, Baltimore, MD, "Contact Mechanics of Nanoparticles", J.-M. Y. Carrillo, A. V. Dobrynin.
65. March 2013, Annual APS Meeting, Baltimore, MD, "Dynamics of Nanoparticle Adhesion", J.-M. Y. Carrillo, A. V. Dobrynin.
66. March 2013, Annual APS Meeting, Baltimore, MD, "Explicit Solvent Simulations of Friction and Lubrication between Brush Layers of Bottle-Brush Macromolecules", J.-M. Y. Carrillo, A. V. Dobrynin, M. W. Brown.
67. February 2012, Annual APS Meeting, Boston, MA, "Compression of Multiwall Nanobubbles", N. Lebedeva, S. Moor, A. V. Dobrynin, M. Rubinstein, S. Sheiko.
68. February 2012, Annual APS Meeting, Boston, MA, "Interaction between Brush Layers of Bottle-Brush Polyelectrolytes: Molecular Dynamics Simulations", D. Russano, J.-M. Y. Carrillo, A. V. Dobrynin.
69. February 2012, Annual APS Meeting, Boston, MA, "Layer-by-Layer Assembly of Polyelectrolyte Chains and Nanoparticles on Porous Substrates: Molecular Dynamics Simulations", J.-M. Y. Carrillo, A. V. Dobrynin.
70. February 2012, Annual APS Meeting, Boston, MA, "Polyelectrolytes in Salt Solutions: Molecular Dynamics Simulations", A. V. Dobrynin, J.-M. Y. Carrillo.
71. February 2012, Annual APS Meeting, Boston, MA, "Can Structured Mixed Solvents be Used for Graphene Exfoliation?", A. J. Oyer, J.-M. Y. Carrillo, C. H. Hire, A. D. Asandei, A. V. Dobrynin, D. H. Adamson.
72. February 2012, Annual APS Meeting, Boston, MA, "Layer-by-Layer Assembly of Charged Nanoparticles on Porous Substrates: Molecular Dynamics Simulations", J.-M. Y. Carrillo, A. V. Dobrynin.
73. February 2012, Annual APS Meeting, Boston, MA, "Friction between Brush Layers of Charged and Neutral Bottle-Brush Macromolecules: Molecular Dynamics Simulations", D. Russano, J.-M. Y. Carrillo, A. V. Dobrynin.
74. February 2012, Annual APS Meeting, Boston, MA, "Dynamics of Nanoparticle Adhesion" A. V. Dobrynin, J.-M. Y. Carrillo, E. Raphael.
75. February 2012, GRC on Colloidal, Macromolecular and Polyelectrolyte Solutions, Ventura, CA, "Stabilization of Graphene Sheets by a Structured Benzene/Hexafluorobenzene Mixed Solvent", A. J. Oyer, J.-M. Y. Carrillo, A. D. Asandei, A. V. Dobrynin, D. H. Adamson
76. February 2012, GRC on Colloidal, Macromolecular and Polyelectrolyte Solutions, Ventura, CA, "Effect of Electrostatic Interactions on Friction and Lubrication in Bottle-Brush Systems: Molecular Dynamics Simulations", J.-M. Y. Carrillo, A. V. Dobrynin.
77. March 2011, Annual APS Meeting, Dallas, TX, "Universality in Nonlinear Elasticity of Polymeric and Biological Networks", A. V. Dobrynin, J.-M. Y. Carrillo.
78. March 2011, Annual APS Meeting, Dallas, TX, "Chains Are More Flexible under Tension", J.-M. Y. Carrillo, A. V. Dobrynin, M. Rubinstein.

79. March 2011, Annual APS Meeting, Dallas, TX, “Molecular Dynamics Simulations of Grafted Layers of Bottle-Brush Polyelectrolytes”, D. Russano, J.-M. Y. Carrillo, A. V. Dobrynin.
80. March 2011, Annual APS Meeting, Dallas, TX, “Molecular Dynamics Simulations of Interactions and Friction between Bottle-Brush Layers”, D. Russano, J.-M. Y. Carrillo, A. V. Dobrynin.
81. March 2011, Annual APS Meeting, Dallas, TX, “Adhesion of Nanoparticles”, J.-M. Y. Carrillo, A. V. Dobrynin.
82. March 2010, Annual APS Meeting, Portland, OR, “Effect of the Electrostatic Interactions on Stretching of Biological and Semiflexible Polyelectrolytes”, J.-M. Y. Carrillo, E. Raphael, A. V. Dobrynin.
83. March 2010, Annual APS Meeting, Portland, OR, “Adhesion of Nanoparticles”, A. V. Dobrynin, J.-M. Y. Carrillo, E. Raphael.
84. March 2010, Annual APS Meeting, Portland, OR, “Molecular Dynamics Simulations of Fractionation of Molecular Brushes During Spreading on Substrates”, J.-M. Y. Carrillo, A. V. Dobrynin, S. Sheiko.
85. March 2009, Annual APS Meeting, Pittsburgh PA, “Counterion Condensation and Collapse of Sodium Polystyrene Sulfonate in Water: A Molecular Dynamics Study”, A.V. Dobrynin, J.-M. Carrillo.
86. March 2009, Annual APS Meeting, Pittsburgh PA, “Control of the Morphology of Superhydrophobic Surfaces”, R. Weiss, A.V. Dobrynin, X. Wang.
87. March 2008, Annual APS Meeting, New Orleans, LA, “Molecular Dynamics Simulation of Polyelectrolyte Brushes: From Hemispherical Micelles to Maze-like Aggregates”, J.-M. Carrillo, A. V. Dobrynin.
88. March 2008, Annual APS Meeting, New Orleans, LA, “Molecular Dynamics Simulations of Nanoimprinting Process”, J.-M. Carrillo, A. V. Dobrynin.
89. March 2008, Annual APS Meeting, New Orleans, LA, “Flory Theorem for Structurally Asymmetric Blends”, A. V. Dobrynin, Frank Sun, David Shirvanyants, G. Rubinstein, M. Rubinstein, S. Sheiko, H.-I. Lee, K. Matyjaszewski.
90. March 2007, Annual APS Meeting, Denver, CO, “Rouse Dynamics of Polyelectrolyte Solutions: Molecular Dynamics Study” A. V. Dobrynin, Q. Liao, M. Rubinstein.
91. March 2007, Annual APS Meeting, Denver, CO, “Molecular Dynamics Simulations of Nanomolding Process”, J.-M. Carrillo, A. V. Dobrynin.
92. March 2007, Annual APS Meeting, Denver, CO, “Molecular Dynamics Simulations of the Nanopropulsion Engine”, J. Jeon, J.-M. Carrillo, A. V. Dobrynin.
93. March 2007, Annual APS Meeting, Denver, CO, “The Effect of the Dielectric Constant on Polyelectrolyte Brushes Grafted to Spherical Substrate”, D. Sandberg, T.P. Seery, A. V. Dobrynin.
94. March 2006, Annual APS Meeting, Baltimore, MD, “Polymer confinement and bacterial gliding motility”, J. Jeon, A. V. Dobrynin.
95. March 2006, Annual APS Meeting, Baltimore, MD, “A New Necklace Model” A.V. Dobrynin, M. Rubinstein, Qi Liao
96. March 2006, Annual APS Meeting, Baltimore, MD, “Molecular Dynamics Simulations of Multilayer Polyelectrolyte Films”, P. Patel, J. Jeon, A. V. Dobrynin, P. T. Mather.
97. March 2006, Annual APS Meeting, Baltimore, MD, “Molecular Dynamics Simulations of Polyelectrolyte Adsorption at Oppositely Charged Surfaces”, J.-M. Carrillo, A. V. Dobrynin.
98. March 2006, Annual APS Meeting, Baltimore, MD, “Molecular Dynamics Simulations of Polyelectrolyte-Polyampholyte Complexes. Effect of Solvent Quality and Salt Concentration.”, J. Jeon, A. V. Dobrynin.
99. March 2006, 231 ACS National Meeting, Atlanta, GA, “Self-Association of Block-Polyampholytes”, Z. Wang, N. P. Shusharina, E. B. Zhulina, A. V. Dobrynin, M. Rubinstein.
100. March 2005, Annual APS Meeting, Los Angeles, CA, “Molecular dynamics simulations of electrostatic layer-by-layer assembly of polyelectrolytes near charged planar surface”, P. Patel, J. Jeon, P. Mather, A. Dobrynin.

101. March 2005, Annual APS Meeting, Los Angeles, CA, “Comments on Electrostatic Persistence Length”, A. Dobrynin.
102. March 2005, Annual APS Meeting, Los Angeles, CA, “Why nozzles are required for bacterial gliding?” J. Jeon, A. Dobrynin.
103. March 2005, Annual APS Meeting, Los Angeles, CA, “Molecular Dynamics Simulations of Protein-Polyelectrolyte Multilayer Assembly”, V. Panchagnula, J. Jeon, A. V. Dobrynin.
104. March 2005, Annual APS Meeting, Los Angeles, CA, “Polyelectrolyte Spin-Assembly: Effect of Ionic Strength and Spinning Rate on the Growth of Multilayered Thin Films”, C. Lefaux, P. Patel, J. Jeon, A. Dobrynin, P. Mather.
105. March 2005, Annual APS Meeting, Los Angeles, CA, “Conformation-triggered flow instability in monolayer thick polymer films”, S. Sheiko, H. Xu, D. Shirvanyants, K. Beers, K. Matyjaszewski, M. Rubinstein, A. Dobrynin.
106. July 2004, Polymer Gordon Research Conference, Connecticut College, CT, J. Jeon, A.V. Dobrynin “Polymer Confinement and Bacteria Motility”.
107. July 2004, Polymer Gordon Research Conference, Connecticut College, CT, V. Panchagnula, J. Jeon, A. V. Dobrynin “MD Simulations of Layer-by-Layer Polyelectrolyte Assembly”.
108. June 2004, Vth International Symposium on Polyelectrolytes, University of Massachusetts, Amherst, MA, A.V. Dobrynin, J. Jeon, “Molecular Simulations of Protein-Polyelectrolyte Complexes”.
109. June 2004, Vth International Symposium on Polyelectrolytes, University of Massachusetts, Amherst, MA, V. Panchagnula, J. Jeon, A. V. Dobrynin “MD Simulations of Layer-by-Layer Protein-Polyelectrolyte Assembly”.
110. June 2004, Vth International Symposium on Polyelectrolytes, University of Massachusetts, Amherst, MA, P.A. Patel, C. Lefaux, J. Jeon, A.V. Dobrynin, P.T. Mather, “Polyelectrolyte Spin-Assembly: Effect of Ionic Strength and Spinning Rate on the Growth of Multilayered Thin Films”.
111. March 2004, Annual APS Meeting, Montreal, Canada, V. Panchagnula, J. Jeon, A. V. Dobrynin “MD Simulations of Layer-by-Layer Polyelectrolyte Assembly”.
112. March 2004, Annual APS Meeting, Montreal, Canada, A.V. Dobrynin, J. Jeon “Polymer Confinement and Bacteria Motility”.
113. March 2004, Annual APS Meeting, Montreal, Canada, A.V. Dobrynin, J. Jeon, “Molecular Simulations of Protein-Polyelectrolyte Complexes”.
114. February 2004, SAMSI workshop on Complex Fluids, Chapel Hill, NC, A.V. Dobrynin, J. Jeon “Polymer Confinement and Bacteria Motility”.
115. February 2004, The Gordon Research Conference, Ventura, CA, V. Panchagnula, J. Jeon, A. V. Dobrynin “MD Simulations of Layer-by-Layer Polyelectrolyte Assembly”.
116. February 2004, The Gordon Research Conference, Ventura, CA, J. Jeon, A. V. Dobrynin, “Molecular Simulations of Protein-Polyelectrolyte Complexes”.
117. September 2003, Annual ACS Meeting, New York City, NY, V. Panchagnula, J. Jeon, A. V. Dobrynin “MD Simulations of Layer-by-Layer Protein-Polyelectrolyte Self-Assembly”.
118. September 2003, Annual ACS Meeting, New York City, NY, V. Panchagnula, J. Jeon, A. V. Dobrynin “MD Simulations of Layer-by-Layer Protein-Polyelectrolyte Self-Assembly”.
119. September 2003, Annual ACS Meeting, New York City, NY, J. Jeon, A. V. Dobrynin, “Molecular Simulations of Protein-Polyelectrolyte Complexes”.
120. March 2003, Annual APS Meeting, Austin, TX, A. V. Dobrynin, M. Rubinstein “Effect of Short Range Interactions on Polyelectrolyte Adsorption”.
121. March 2003, Annual APS Meeting, Austin, TX, A. V. Dobrynin, Junhwan Jeon “Molecular Simulations of Protein Polyelectrolyte Complexes”.
122. March 2003, Annual APS Meeting, Austin, TX, M. Rubinstein, A. V. Dobrynin, Qi Liao, “Scaling Theories and Computer Simulations of Polyelectrolyte Solutions”.
123. August 2002, Gordon Research Conference “Polymer Physics”, Newport, RI, A. V. Dobrynin, M. Rubinstein “Adsorption of Hydrophobic Polyelectrolytes”.

124. March 2002, Annual APS Meeting, Indianapolis, IN, A. V. Dobrynin, M. Rubinstein “Adsorption of Hydrophobic Polyelectrolytes”.
125. March 2002, Annual APS Meeting, Indianapolis, IN, Qi Liao, M. Rubinstein, A. V. Dobrynin “Counterion Distribution and Osmotic Pressure of Polyelectrolyte Solutions”.
126. February 2002, Gordon Research Conference “Polymer West”, Ventura, CA, Qi Liao, M. Rubinstein, A. V. Dobrynin “Molecular Dynamics Simulation of Polyelectrolyte Solutions”.
127. October 2001, Annual Society of Rheology Meeting, Bethesda, DC, A. V. Dobrynin, M. Rubinstein “Counterion Condensation and Phase Separation in Solutions of Hydrophobic Polyelectrolytes”.
128. April 2001, North Carolina Section ACS Meeting, Raleigh, NC, Qi Liao, A. V. Dobrynin, M. Rubinstein “Molecular Dynamic Simulations of Semidilute Polyelectrolyte Solutions”.
129. April 2001, North Carolina Section ACS Meeting, Raleigh, NC, I. M. Withers, A. V. Dobrynin, M. Rubinstein “Off-lattice Monte-Carlo Simulations of the Micellization Properties of Polymeric Surfactants”.
130. March 2001, Annual APS Meeting, Seattle, WA, M. Rubinstein, A. V. Dobrynin, A. Deshkovski “Polyelectrolyte Adsorption at an Oppositely Charged Surface”.
131. December 2000, “Self-Assembly of Water-Soluble Polymers” Symposium at Pacifichem 2000, Honolulu, Hawaii, M. Rubinstein, A. V. Dobrynin “Self-Assembly of Hydrophobically Modified Polyelectrolytes”.
132. October 2000, NATO Advanced Study Institute, “Electrostatic Effects in Soft-Matter and Biophysics”, Les Houches, France, A. Deshkovski, A. V. Dobrynin, M. Rubinstein “Polyelectrolyte Adsorption at an Oppositely Charged Surface”.
133. July 2000, “Polyelectrolytes 2000”, Les Diablerets, Switzerland, M. Rubinstein, A. V. Dobrynin, A. Deshkovski “Polyelectrolyte Adsorption at an Oppositely Charged Surface”.
134. March 2000, Annual APS Meeting, Minneapolis, MN, A. V. Dobrynin, M. Rubinstein, E. Zhulina “Polyampholytes Adsorption on Charged Spherical Particle”.
135. November 1999, Regional APS Meeting, Chapel Hill, NC, A. Deshkovski, A. V. Dobrynin, M. Rubinstein “Adsorption of Polyelectrolyte on an Oppositely Charged Surface”.
136. November 1999, Regional APS Meeting, Chapel Hill, NC, P. Bermeil, A. V. Dobrynin, M. Rubinstein “Monte-Carlo Simulation of Polyampholyte Adsorption on a Charged Surface”.
137. August 1999, ACS Meeting, New Orleans, LA M. Rubinstein, A. V. Dobrynin “Hydrophobically Modified Polyelectrolytes”.
138. August 1999, ACS Meeting, New Orleans, LA M. Rubinstein, A. V. Dobrynin, A. N. Semenov “Solutions of Associating Polymers”.
139. March 1999, ACS Meeting, Anaheim, CA, S. L. Wells, E. Buhler, A. V. Dobrynin, J. M. DeSimone, M. Rubinstein “A Light Scattering Study of Surfactants in CO₂”.
140. March 1999, Annual APS Meeting, Atlanta, GA, A. V. Dobrynin, M. Rubinstein “Hydrophobic Polyelectrolytes”.
141. March 1999, Annual APS Meeting, Atlanta, GA, A. V. Dobrynin, M. Rubinstein, S. P. Obukhov “Polyampholyte Adsorption”.
142. March 1999, Annual APS Meeting, Atlanta, GA, A. Deshkovski, A. V. Dobrynin, M. Rubinstein “Adsorption of Polyelectrolyte on an Oppositely Charged Surface”.
143. March 1999, Annual APS Meeting, Atlanta, GA, S. Wells, E. Buhler, A. Dobrynin, J. M. DeSimone, M. Rubinstein “A Light Scattering Study of Surfactants in CO₂”.
144. October 1998, “Electrostatic Effects in Complex Fluids and Biopolymers”, ITP, Santa Barbara, CA, A. V. Dobrynin, M. Rubinstein, S. P. Obukhov “Hydrophobic Polyelectrolytes”.
145. October 1998, “Electrostatic Effects in Complex Fluids and Biopolymers”, ITP, Santa Barbara, CA, M. Rubinstein, A. V. Dobrynin, S. P. Obukhov “Polyampholyte Adsorption”.
146. August 1998, ACS Meeting, Boston, MA, A. V. Dobrynin, M. Rubinstein, “Hydrophobically Modified Polyelectrolytes”.
147. May 1998, Gordon Research Conference on “Complex Fluids”, Tuscany, Italy; M. Rubinstein, A. V. Dobrynin, S. P. Obukhov “Adsorption of Polyampholytes”.

148. January 1998, Gordon Research Conference “Polymer West”, Ventura, CA, A. V. Dobrynin, M. Rubinstein, “Hydrophobically Modified Polyelectrolytes”.
149. October 1997, 69th Annual Meeting the Society of Rheology, Columbus, Ohio, D. Long, A. Ajdary, A. V. Dobrynin, M. Rubinstein, “Drift and Deformation of Heterogeneously Charged Chains in Electric Fields”.
150. October 1997, International Workshop “Understanding Polyelectrolytes“, Mainz, Germany, M. Rubinstein, A. V. Dobrynin, R. H. Colby “Dynamic Scaling of Semidilute Polyelectrolyte Solutions”.
151. July 1997 - 3rd International Discussion Meeting on “Relaxations in Complex Systems”, Vigo, Spain, J.-F. Joanny, A. V. Dobrynin, M. Rubinstein “Adsorption of Charged Polymers”.
152. July 1997, Gordon Research Conference on “Organic Thin Films and Surfaces”, Newport, RI, M. Rubinstein, A. V. Dobrynin, S. P. Obukhov, J.-F. Joanny “Adsorption of a Polyampholyte Chain on a Charged Surface”.
153. June 1997, “Problems of Condensed Matter Theory”, Moscow Russia, M. Rubinstein, A. V. Dobrynin, S. P. Obukhov “Cascade of Transitions of Polyelectrolytes in Poor Solvents”.
154. February 1997, 68th Society of Rheology Meeting, Galveston, TX, M. Rubinstein, A. V. Dobrynin, R. H. Colby “Dynamics of Charged Polymers”.
155. July 1996, Gordon Research Conference “Polymer Physics”, Newport, RI, A. V. Dobrynin, M. Rubinstein, J.-F. Joanny “Adsorption of a Polyampholyte Chain on a Charged Surface”.
156. March 1996, Annual APS Meeting, St. Louis, MO, A. V. Dobrynin, K. Binder, T. Vilgis, S. Stepanow “Copolymers in Random Media”.
157. June 1996, XIV Sitges Conference, “Complex Behavior in Glassy Systems”, Barcelona, Spain, S. Stepanow, A. V. Dobrynin, T. A. Vilgis “Copolymer Melts in Disordered Media”.
158. December 1995, International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, M. Rubinstein, A. V. Dobrynin, R. H. Colby “Dynamics of Semidilute Polyelectrolyte Solutions”.
159. October 1995, Symposium on “Computer Modeling of Polymers” at the Northeast Regional ACS Silver Anniversary Meeting, Rochester, NY, M. Rubinstein, A. V. Dobrynin, S. P. Obukhov “Cascade of Transitions of Polyelectrolytes in Poor Solvents”.
160. January 1995, Polymers-West Gordon Research Conference, Ventura, CA, M. Rubinstein, A. V. Dobrynin, R. H. Colby “Scaling Theory of Charged Polymers”.
161. June 1994 - Workshop on “Collective Phenomena in Polymers”, London, ON, Canada, M. Rubinstein, A. V. Dobrynin, R. H. Colby “Scaling Theory of Polyelectrolyte Solutions”.
162. March 1994, Annual APS Meeting, Pittsburgh, PA, A. V. Dobrynin, M. Rubinstein, R. Colby “Scaling Theory of Polyelectrolyte Solutions”.
163. June 1991, International School-Seminar “Modern Problems of Physical Chemistry of Macromolecules”, Puschino, USSR, I. Ya. Erukhimovich, A. V. Dobrynin “Development of Microscopic Theory of Microphase Separation in Polymer Systems as a Technological Problem”.
164. June 1991, International School-Seminar “Modern Problems of Physical Chemistry of Macromolecules”, Puschino, USSR, A. V. Dobrynin, I. Ya. Erukhimovich “Screened Interaction and Deformation of Block Copolymer Macromolecules near Microphase Separation: Effects of Fluctuations and Ordering”.
165. April 1991, International Conference “Network-91” (Polymer Networks: Synthesis, Structure and Properties) Moscow-Suzdal, USSR, A. V. Dobrynin, I. Ya. Erukhimovich “A Statistical Theory of Weak Gelation: Phase Diagrams of Polymer Systems with Hydrogen Bonds and Silicate Melt”.
166. November 1990, Fundamental Problem in Modern Polymer Science, Leningrad, USSR, A. V. Dobrynin, I. Ya. Erukhimovich “A Theory of Weak Crystallization of Two-component Melts of Heteropolymers of Complicated Chemical Structure: Fluctuation Effects”.
167. July 1990, 33rd International Symposium IUPAC on Macromolecules, Montreal, Canada, I. Ya. Erukhimovich, V. Yu. Borue, A. V. Dobrynin “A Statistical Theory of Polydisperse Solutions and Globular Complexes of Weakly Charged Polyelectrolytes”.

