

## SPIROS Haralambos ANASTASIADIS

### PUBLISHED WORK

#### 1. PUBLICATIONS IN REFEREED JOURNALS

1. S. H. Anastasiadis, J. K. Chen, J. T. Koberstein,\* J. E. Sohn, and J. A. Emerson  
"The determination of Polymer Interfacial Tension by Drop Image Processing: Comparison of Theory and Experiment for the pair PDMS / PBD"  
*Polym. Engineering Sci.* **26**, 1410-1418 (1986).
2. S. H. Anastasiadis, J. K. Chen, J. T. Koberstein,\* A. F. Siegel, J. E. Sohn, and J. A. Emerson  
"The Determination of Interfacial Tension by Video Image Processing of Pendant Fluid Drops"  
*J. Colloid Interface Sci.* **119**, 55-66 (1987).
3. Christodoulos A. Floudas,\* and Spiros H. Anastasiadis  
"Synthesis of Distillation Sequences with Several Multicomponent Feed and Product Streams"  
*Chem. Engineering Sci.* **43**, 2407-2419 (1988).
4. S. H. Anastasiadis, I. Gancarz, and J. T. Koberstein\*  
"Interfacial Tension of Immiscible Polymer Blends: Temperature and Molecular Weight Dependence"  
*Macromolecules* **21**, 2980-2987 (1988).
5. S. H. Anastasiadis, I. Gancarz, and J. T. Koberstein\*  
"Compatibilizing Effect of Block Copolymers Added to the Polymer / Polymer Interface"  
*Macromolecules* **22**, 1449-1453 (1989).
6. S. H. Anastasiadis, T. P. Russell,\* S. K. Satija, and C. F. Majkrzak  
"Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*Phys. Rev. Lett.* **62**, 1852-1855 (1989).
7. S. H. Anastasiadis, T. P. Russell,\* S. K. Satija, and C. F. Majkrzak  
"The Morphology of Symmetric Diblock Copolymers as Revealed by Neutron Reflectivity"  
*J. Chem. Phys.* **92**, 5677-5691 (1990).
8. T. P. Russell,\* S. H. Anastasiadis, A. Menelle, G. P. Felcher, and S. K. Satija  
"Segment Density Distribution of Symmetric Diblock Copolymers at the Interface between two Homopolymers as Revealed by Neutron Reflectivity"  
*Macromolecules* **24**, 1575-1582 (1991).
9. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Unconventional Morphologies of Symmetric Diblock Copolymers due to Film Thickness Constraints"  
*Macromolecules* **24**, 6263-6269 (1991).
10. A. Menelle, T. P. Russell,\* S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"The Ordering of Thin Diblock Copolymer Films"  
*Phys. Rev. Lett.* **68**, 67-70 (1992).
11. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Thin Film Order of Symmetric Diblock Copolymers"  
*Makromol. Chem., Macromol. Symp.* **62**, 157-165 (1992).
12. S. H. Anastasiadis,\* A. Menelle, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Very Thin Films of Symmetric Diblock Copolymers"  
*Progr. Colloid Polym. Sci.* **91**, 88-92 (1993).

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\* Asterisks denote the author to whom correspondence should be addressed

13. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"The Ordering of Thin Films of Symmetric Diblock Copolymers"  
*Progr. Colloid Polym. Sci.* **91**, 97-100 (1993).
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"Reply to a Comment by C. M. Marques - Phys. Rev. Lett. **70**, 1351 (1993)"  
*Phys. Rev. Lett.* **70**, 1352 (1993).
15. S. H. Anastasiadis,\* G. Fytas, S. Vogt, and E. W. Fischer  
"Breathing and Composition Pattern Relaxation in 'Homogeneous' Diblock Copolymers"  
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16. S. H. Anastasiadis, G. Fytas,\* S. Vogt, B. Gerharz, and E. W. Fischer  
"Diffusive Composition Pattern Relaxation in Disordered Diblock Copolymer Melts"  
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17. S. Vogt, T. Jian, S. H. Anastasiadis, G. Fytas,\* and E. W. Fischer  
"Diffusive Relaxation Modes in Poly(styrene - b - methyl phenyl siloxane) Copolymer Melts Above and Below the Order-Disorder Transition"  
*Macromolecules* **26**, 3357-3362 (1993).
18. T. Jian, S. H. Anastasiadis,\* G. Fytas, K. Adachi, and T. Kotaka  
"Depolarized Dynamic Light Scattering from Diblock Copolymer Solutions near the Order-Disorder Transition"  
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19. G. Fytas,\* S. H. Anastasiadis, K. Karatasos, and N. Hadjichristidis  
"Local and Global Chain Dynamics in Diblock Copolymer Melts"  
*Physica Scripta* **T49**, 237-241 (1993).
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"Diffusive Relaxation Mode in Diblock Copolymer Melts"  
*Makromol. Chem., Macromol. Symp.* **79**, 117-124 (1994).
22. K. Karatasos, S. H. Anastasiadis,\* A. N. Semenov, G. Fytas, M. Pitsikalis, and N. Hadjichristidis  
"Composition Fluctuations Effects on Dielectric Normal Mode Relaxation in Diblock Copolymers. I. Weak Segregation Regime"  
*Macromolecules* **27**, 3543-3552 (1994).
23. S. Vogt, S. H. Anastasiadis,\* G. Fytas,\* and E. W. Fischer  
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*J. Non-crystal. Solids* **172-174**, 1078-1083 (1994)
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*Macromolecules* **29**, 1326-1336 (1996).
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"Determination of both the Binodal and the Spinodal Curves in Polymer Blends by Shear Rheology"  
*Europhys. Lett.* **34**, 513-518 (1996)
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"Probing Collective Motions of Terminally Anchored Polymers"  
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"Self-Diffusivity in Block Copolymer Solutions: 2. A<sub>2</sub>B Simple grafts"  
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<sup>†</sup> Based on this paper, there was a Special Promotion Article in *Science* with Overhead "Perspectives" and title "Capturing the Dynamic Behavior of Adsorbed Polymers", by Anna C. Balazs, *Science* **274**, 2036 (1996)

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56. S. H. Anastasiadis (**invited review**)  
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"Interfacial Tension in Binary Polymer Blends in the Presence of Block Copolymers: Effects of Additive MW"  
*Macromolecules* **34**, 5295-5305 (2001).
59. A. N. Rissanou, S. H. Anastasiadis, I. A. Bitsanis,\* J. de Joannis, C. Murat, and A. Dogariu  
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*Progr. Colloid Polym. Sci.* **118**, 276-279 (2001).

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§ In April 2005, a special document from the Institute of Scientific Information (ISI) informed the authors that since 2000 this paper had received 66 citations, which placed the article "in the top 1% within its field according to the Essential Science Indicators". Until June 26, 2020, this article had received (Web of Science) 265 total citations (241 non-self citations).

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*Macromolecules* **35**, 522-528 (2002).
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*Macromolecules* **35**, 1116-1132 (2002).
62. S. H. Anastasiadis,\* H. Retsos, S. Pispas, N. Hadjichristidis, and S. Neophytides  
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*Macromolecules* **36**, 1994-1999 (2003).†
63. D. Anglos,\* A. Stassinopoulos, R.N. Das, G. Zacharakis, M. Psyllaki, R. Jakubiak, R. A. Vaia, E. P. Giannelis, and S. H. Anastasiadis  
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*Macromolecules* **37**, 524-537 (2004).
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"Controlling the Miscibility of Polyethylene / Layered Silicate Nanocomposites by Altering the Polymer / Surface Interactions"  
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† Based on this paper, there was a *Research News* article in *Nature Materials* with title "Responsive surfaces", *Nature Materials* **2**, 206 (2003)

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"Combination of Microstructuring and Laser-light Irradiation for the Reversible Wettability of Photosensitized Polymer Surfaces"  
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"Pure and Nb<sub>2</sub>O<sub>5</sub>-doped TiO<sub>2</sub> Amorphous Thin Films Grown by dc Magnetron Sputtering at Room Temperature: Surface and Photoinduced Hydrophilic Conversion Studies"  
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85. S. H. Anastasiadis,\* K. Chrissopoulou and B. Frick  
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<sup>§</sup> The Editors of *Soft Matter* selected to highlight this article in the Inside Back Cover of the issue of December 21, 2018, <https://pubs.rsc.org/en/content/articlepdf/2018/sm/c8sm90237b>

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## 2. BOOKS



S. H. Anastasiadis

"Paul C. Hiemenz & Timothy P. Lodge, Polymer Chemistry, CRC Press" – Greek Translation, ISBN: 978-960-524-429-3

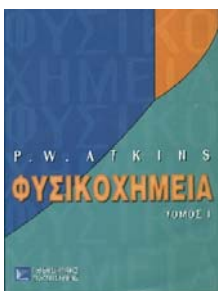
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S. H. Anastasiadis, A. Karim, and G. S. Ferguson, Editors

"Interfaces Adhesion and Processing in Polymer Systems", ISBN: 1-55899-537-4

Materials Research Society Symposium Proceedings, Volume 629, pages 1-248, Materials Research Society, Warrendale, PA, 2000.



S. H. Anastasiadis, G. N. Papatheodorou, S. Farantos, and G. Fytas

"P. W. Atkins, Physical Chemistry, Volume 1" – Greek Translation, ISBN: 960-524-51-0

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## 3. EDITOR OF JOURNAL OF POLYMER SCIENCE, PART B: POLYMER PHYSICS



*Journal of Polymer Science, Part B: Polymer Physics*

Spiros H. Anastasiadis

*Editor*

*Senior Editor*

*Senior Editor and Editor for Europe, Middle East and Asia*

*Senior Editor and Editor for Europe, Middle East and Africa*

#### **4. EDITOR OF SPECIAL ISSUES OF JOURNALS**



S. H. Anastasiadis, Guest Editor

*Advances in Colloid and Interface Science*

Volume 94, Issues 1-3, pages 1-248, 15 November 2001.

Special Issue dedicated to the European Research Conference "Interfaces and Colloidal Systems: Interfacial Behavior in Polymer and Colloidal Systems", Aghia Pelaghia Crete, Greece, 18-23 September 1999.

Foreword: S. H. Anastasiadis, *Adv. Colloid Interface Sci.* **94**, ix-x (2001)



S. H. Anastasiadis and K. Chrissopoulou, Guest Editors

*Colloid and Polymer Science*

Volume 299, Issues 3, pages 307-584, March 2021.

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2. S. H. Anastasiadis, M. I. Lygeraki, A. Athanassiou, M. Farsari and D. Pisignano  
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