

Asterios (Stergios) Pispas

Publications

Book

N. Hadjichristidis, S. Pispas, G. Floudas
“Block Copolymers: Synthetic Strategies, Physical Properties and Applications”
J. Wiley & Sons, Hoboken, 2003.

A. Publications in refereed journals

1. S. Pispas, N. Hadjichristidis
“End Functionalized Block Copolymers of Styrene and Isoprene: Synthesis and Association Behavior in Dilute Solutions”
Macromolecules 1994, 27, 1891.
2. S. Pispas, N. Hadjichristidis, J. W. Mays
“Association of End-Functionalized Block Copolymers. Light Scattering and Viscometric Studies”
Macromolecules 1994, 27, 6307.
3. G. Floudas, T. Pakula, E. W. Fischer, N. Hadjichristidis, S. Pispas
“Ordering Kinetics in a Symmetric Diblock Copolymer”
Acta Polymerica 1994, 45, 176.
4. A. Rizos, K. L. Ngai, S. Pispas, N. Hadjichristidis
“Solvent Reorientation in Block Copolymer Solutions”
Journal of Noncrystalline Solids 1994, 172-174, 786.
5. G. Floudas, G. Fytas, S. Pispas, N. Hadjichristidis, T. Pakula, A. R. Khokhlov
“Statics and Dynamics of ω -Functionalized Block Copolymers of Styrene and Isoprene”
Macromolecules 1995, 28, 5109.
6. S. Pispas, M. Pitsikalis, N. Hadjichristidis, P. Dardani, F. Morandi
“Anionic Polymerization of Isoprene, Butadiene and Styrene with 3-Dimethylaminopropyllithium”
Polymer 1995, 36, 3005.
7. S. Allorio, S. Pispas, E. Siakali-Kioulafa, N. Hadjichristidis
“Hydrodynamic Behavior of Anionically Prepared Linear Polyisoprenes and Polystyrenes in Carbon Tetrachloride”
J. Polym. Sci.: Part B: Polym. Phys. 1995, 33, 2229.
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- “Association Behavior of Linear ω -Functionalized Polystyrenes in Dilute Solutions”
Macromol. Chem. and Phys. 1995, 196, 4025.
9. K. Karatasos, S. H. Anastasiadis, G. Floudas, G. Fytas, S. Pispas, N. Hadjichristidis, T. Pakula
“Composition Fluctuations Effects on Dielectric Normal-Mode Relaxation in Diblock Copolymers. 2. Disordered State in the Proximity to the ODT and Ordered State”
Macromolecules 1996, 29, 1326.
10. S. Pispas, N. Hadjichristidis, J. W. Mays
“End-Functionalized Block Copolymers of Styrene and Isoprene. A DSC Study”
Polymer 1996, 37, 3989.
11. S. Pispas, S. Allorio, N. Hadjichristidis, J. W. Mays
“Micellization of ω -Functionalized Poly(styrene-*b*-isoprene) Copolymers in *n*-Decane”
Macromolecules 1996, 29, 2903.
12. G. Floudas, S. Pispas, N. Hadjichristidis, T. Pakula, I. Erukhimovich
“Microphase Separation in Star Block Copolymers of Styrene and Isoprene. Theory, Experiment and Simulation.”
Macromolecules 1996, 29, 4142.
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“Morphologies of Microphase-Separated A₂B Simple Graft Copolymers”
Macromolecules 1996, 29, 5091.
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“Morphological Transitions in an I₂S Simple Graft Block Copolymer: From Folded Sheets to Folded Lace to Randomly Oriented Worms at Equilibrium”
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“Synthesis, Characterization, and Morphology of Model Graft Copolymers with Trifunctional Branch Points”
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“Micellization of Model Graft Copolymers of the H and π Type in Dilute Solutions”
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“Self-Diffusivity in Block Copolymer Solutions. 2. A₂B Simple Grafts”

- Macromolecules 1997, 30, 2445.
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“Effects of Deuteration of a Polystyrene Chain on its Thermodynamics and Hydrodynamics in Cyclohexane around the Flory θ -Temperature: The Static and Dynamic Laser Light Scattering Investigation”
Macromolecules 1997, 30, 7202.
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Macromolecules 1998, 31, 4177.
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“Direct Observation of Polymer Dynamics: Mobility Comparison between Central and End Section Chain Segments”
Macromolecules 1999, 32, 5127.
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“Linking Reactions of Living Polymers with Bromomethylbenzene Derivatives: Synthesis and Characterization of Star Homopolymers and Graft Copolymers with Polyelectrolyte Branches”
J. Polym. Sci.: Part A: Polym. Chem. 1999, 37, 4337.
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“Dynamic Structure Factor of Diblock Copolymer Solutions in the Disordered State. 1. Far from the Ordering Transition”
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“Microphase Separation in ABC Block Copolymers with a Short but Strongly Interacting Middle Block”
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“Effect of Architecture on the Micellization Properties of Block Copolymers: A_2B Miktoarm stars vs AB Diblocks”
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“Pattern Formation in Homogeneous Polymer Solutions Induced by a Continuous-Wave Visible Laser”
Science 2002, 297, 67.
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II. Effects of Additive Architecture and Composition”
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Colloids and Surfaces A: Physicochem. Eng. Aspects 2008, 326, 115.
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