

# Larisa Tsarkova

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,340  
citations

361296

20  
h-index

360920

35  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Volatile Aroma Surfactants: The Evaluation of the Adsorption–Evaporation Behavior under Dynamic and Equilibrium Conditions. <i>Langmuir</i> , 2022, 38, 2793-2803.	1.6	5
2	Volatile surfactants: Characterization and areas of application. <i>Current Opinion in Colloid and Interface Science</i> , 2022, 60, 101592.	3.4	5
3	Elaborating Mechanisms behind the Durability of Tough Polylactide Monofilaments under Elevated Temperature and Humidity Conditions. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1406-1414.	2.0	6
4	Functionalization of textiles by deposition of UV-cured organic thin layers with charge storage properties for electronic and environmental technology. <i>Progress in Organic Coatings</i> , 2021, 157, 106332.	1.9	1
5	Evaluating the Potential of Polylactide Nonwovens as Bio-Based Media for Air Filtration. <i>Textiles</i> , 2021, 1, 268-282.	1.8	0
6	Improved Maxwell Model Approach and its Applicability toward Lifetime Prediction of Biobased Viscoelastic Fibers. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100443.	1.7	4
7	Tensiometry as a Simple Analytical Method for Quantification of Solubility and Release of Aroma Molecules in Aqueous Media. <i>Molecules</i> , 2021, 26, 7655.	1.7	5
8	Temperature-Controlled Solvent Vapor Annealing of Thin Block Copolymer Films. <i>Polymers</i> , 2019, 11, 1312.	2.0	19
9	Aroma Molecules as Dynamic Volatile Surfactants: Functionality beyond the Scent. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40988-40995.	4.0	9
10	pH-triggered aggregation behavior of hybrid chitosan assemblies with controlled density distribution of gold nanoparticles. <i>Colloid and Polymer Science</i> , 2019, 297, 339-350.	1.0	3
11	Combined UV–Vis-absorbance and reflectance spectroscopy study of dye transfer kinetics in aqueous mixtures of surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 550, 74-81.	2.3	3
12	Enzyme–Compatible Dynamic Nanoreactors from Electrostatically Bridged Like–Charged Surfactants and Polyelectrolytes. <i>Angewandte Chemie</i> , 2018, 130, 9546-9551.	1.6	1
13	Synergic Swelling of Interactive Network Support and Block Copolymer Films during Solvent Vapor Annealing. <i>Langmuir</i> , 2018, 34, 9950-9960.	1.6	7
14	Enzyme–Compatible Dynamic Nanoreactors from Electrostatically Bridged Like–Charged Surfactants and Polyelectrolytes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9402-9407.	7.2	18
15	Surface Roughness-Mediated Ordering in Block Copolymer Films toward Spatially Controlled Patterns. <i>Macromolecules</i> , 2017, 50, 6840-6848.	2.2	10
16	Hierarchical Manipulation of Block Copolymer Patterns on 3D Topographic Substrates: Beyond Graphoepitaxy. <i>Advanced Materials</i> , 2016, 28, 6900-6905.	11.1	19
17	Keratin made micro-tubes: The paradoxical thermal behavior of cortex and cuticle. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 592-598.	3.6	7
18	Electric field manipulated nanopatterns in thin films of metalorganic 3-miktoarm star terpolymers. <i>Soft Matter</i> , 2016, 12, 4866-4874.	1.2	3

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19	Multilamellar Thermo-responsive Emulsions Stabilized with Biocompatible Semicrystalline Block Copolymers. <i>ACS Macro Letters</i> , 2016, 5, 163-167.	2.3	15
20	Intermatrix Synthesis as a rapid, inexpensive and reproducible methodology for the in situ functionalization of nanostructured surfaces with quantum dots. <i>Applied Surface Science</i> , 2016, 368, 417-426.	3.1	20
21	Reversible Switching of Block Copolymer Nanopatterns by Orthogonal Electric Fields. <i>Small</i> , 2015, 11, 6058-6064.	5.2	9
22	Raspberry-like Pt clusters with controlled spacing produced by deposition of loaded block copolymer micelles from supercritical CO <sub>2</sub> . <i>European Polymer Journal</i> , 2015, 71, 73-84.	2.6	4
23	Combining Graphoepitaxy and Electric Fields toward Uniaxial Alignment of Solvent-Annealed Polystyrene- <i>b</i> -Poly(dimethylsiloxane) Block Copolymers. <i>Chemistry of Materials</i> , 2015, 27, 6890-6898.	3.2	35
24	Floated Lamella Films of Styrenic Block Copolymers: Local Shearing Deformations and Heterogeneous Layer at the Substrate. <i>Macromolecules</i> , 2014, 47, 316-323.	2.2	2
25	Enhancing Ordering Dynamics in Solvent-Annealed Block Copolymer Films by Lithographic Hard Mask Supports. <i>Macromolecules</i> , 2014, 47, 3059-3067.	2.2	24
26	Morphology-Controlled Kinetics of Solvent Uptake by Block Copolymer Films in Nonselective Solvent Vapors. <i>ACS Macro Letters</i> , 2014, 3, 803-807.	2.3	22
27	Self-Templating Amphiphilic Polymer Precursors for Fabricating Mesostructured Silica Particles: A Water-Based Facile and Universal Method. <i>Advanced Materials</i> , 2013, 25, 1017-1021.	11.1	34
28	Self-Templating Amphiphilic Polymer Precursors for Fabricating Mesostructured Silica Particles: A Water-Based Facile and Universal Method ( <i>Adv. Mater.</i> 7/2013). <i>Advanced Materials</i> , 2013, 25, 1016-1016.	11.1	0
29	Spherical Polyelectrolyte Brushes as Templates for Stable Dispersions of Polyaniline Based Conducting Particles. <i>Macromolecular Symposia</i> , 2012, 317-318, 137-141.	0.4	1
30	Recent Developments in In Situ SFM of Block Copolymers: 3D Volume Structures and Dynamics. <i>Nanoscience and Technology</i> , 2012, , 195-233.	1.5	2
31	Distortion of a Unit Cell versus Phase Transition to Nonbulk Morphology in Frustrated Films of Cylinder-Forming Polystyrene- <i>b</i> -polybutadiene Diblock Copolymers. <i>Macromolecules</i> , 2012, 45, 7985-7994.	2.2	13
32	Guiding Block Copolymers into Sequenced Patterns via Inverted Terrace Formation. <i>Macromolecules</i> , 2012, 45, 2494-2501.	2.2	15
33	Complexation of Anionic Liposomes with Spherical Polycationic Brushes. <i>Langmuir</i> , 2011, 27, 5310-5315.	1.6	14
34	Directed Assembly of Block Copolymers by Sparsely Patterned Substrates. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25185-25200.	1.5	32
35	All-Silica Colloidosomes with a Particle-Bilayer Shell. <i>ACS Nano</i> , 2011, 5, 3937-3942.	7.3	82
36	The self-assembly of asymmetric block copolymers in films contacting a patterned surface. <i>Polymer Science - Series A</i> , 2011, 53, 261-270.	0.4	2

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37	Nanoreactor-Assisted Polymerization Toward Stable Dispersions of Conductive Composite Particles. <i>Macromolecular Rapid Communications</i> , 2011, 32, 462-467.	2.0	18
38	Nanopattern Evolution in Block Copolymer Films: Experiment, Simulations and Challenges. <i>Advances in Polymer Science</i> , 2010, , 33-73.	0.4	49
39	The effects of the molecular weight and structure of poly(acrylic acid) on the formation of blue silver. <i>Moscow University Chemistry Bulletin</i> , 2010, 65, 331-334.	0.2	4
40	Atomic force microscopy of supported lipid membranes and their complexes with polycations. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2010, 4, 240-246.	0.3	2
41	Effect of Confinement on the Mesoscale and Macroscopic Swelling of Thin Block Copolymer Films. <i>Langmuir</i> , 2010, 26, 6610-6617.	1.6	56
42	Going beyond the Surface: Revealing Complex Block Copolymer Morphologies with 3D Scanning Force Microscopy. <i>ACS Nano</i> , 2010, 4, 5609-5616.	7.3	15
43	Liposomes Remain Intact When Complexed with Polycationic Brushes. <i>Journal of the American Chemical Society</i> , 2010, 132, 5948-5949.	6.6	33
44	Stabilization of 3D Network Morphologies in Thin Films via Chemical Modification of ABC Triblock Terpolymers. <i>Macromolecules</i> , 2010, 43, 10213-10215.	2.2	11
45	Confinement Effects on the Microphase Separation and Swelling of Block Copolymer Films. , 2010, , 1-4.		0
46	Electric Field Alignment of a Block Copolymer Nanopattern: Direct Observation of the Microscopic Mechanism. <i>ACS Nano</i> , 2009, 3, 1091-1096.	7.3	110
47	"Micro-structure" macro-response relationship in swollen block copolymer films. <i>Soft Matter</i> , 2009, , .	1.2	3
48	3-dimensional control over lamella orientation and order in thick block copolymer films. <i>Soft Matter</i> , 2009, 5, 812-819.	1.2	47
49	Specific Features of Defect Structure and Dynamics in the Cylinder Phase of Block Copolymers. <i>ACS Nano</i> , 2008, 2, 1143-1152.	7.3	55
50	Time Evolution of Surface Relief Structures in Thin Block Copolymer Films. <i>Macromolecules</i> , 2007, 40, 6930-6939.	2.2	50
51	Nanoscaling of Microdomain Spacings in Thin Films of Cylinder-Forming Block Copolymers. <i>Nano Letters</i> , 2007, 7, 843-846.	4.5	56
52	Friction and Relaxation Dynamics of Highly Extended Polymer Brush Melts under Compression and Shear. <i>Macromolecules</i> , 2007, 40, 2539-2547.	2.2	21
53	Towards Nanoporous Membranes based on ABC Triblock Terpolymers. <i>Small</i> , 2007, 3, 1056-1063.	5.2	47
54	Structure and Dynamics of Cylinder Forming Block Copolymers in Thin Films. <i>Nanoscience and Technology</i> , 2007, , 231-265.	1.5	6

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55	Large scale alignment of a lamellar block copolymer thin film via electric fields: a time-resolved SFM study. <i>Soft Matter</i> , 2006, 2, 1089-1094.	1.2	71
56	Substrate-Induced Phase Transitions in Thin Films of Cylinder-Forming Diblock Copolymer Melts. <i>Macromolecules</i> , 2006, 39, 3608-3615.	2.2	97
57	Rapid Transitions between Defect Configurations in a Block Copolymer Melt. <i>Nano Letters</i> , 2006, 6, 1574-1577.	4.5	44
58	Defect Evolution in Block Copolymer Thin Films via Temporal Phase Transitions. <i>Langmuir</i> , 2006, 22, 8089-8095.	1.6	47
59	The influence of Ag <sup>+</sup> ions on transformations of silver clusters in polyacrylate aqueous solutions. <i>Colloid Journal</i> , 2006, 68, 761-766.	0.5	6
60	Formation of silver clusters by borohydride reduction of AgNO <sub>3</sub> in polyacrylate aqueous solutions. <i>Colloid Journal</i> , 2005, 67, 72-78.	0.5	7
61	Borohydride reduction of AgNO <sub>3</sub> in polyacrylate aqueous solutions: Two-stage synthesis of blue silver. <i>Colloid Journal</i> , 2005, 67, 213-216.	0.5	9
62	Interactions between Langmuir-Blodgett Polymer Monolayers Studied with the Surface Force Apparatus. <i>Colloid Journal</i> , 2004, 66, 84-94.	0.5	8
63	Interactions between Surfaces Bearing Highly Extended Polymer Melt Brushes. 1. Adhesion and Spontaneous Thinning. <i>Macromolecules</i> , 2002, 35, 2817-2826.	2.2	7
64	Title is missing!. <i>Colloid Journal</i> , 2001, 63, 312-317.	0.5	5
65	Coordination properties of polymeric azacrown ethers. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 59, 163-182.	0.6	4