Yuri V Roiter

List of Publications by Year
in descending order

33 papers	2,146 citations	361413 20 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	3580 citing authors

#	Article	IF	Citations
1	Stimuli-responsive nanoparticles, nanogels and capsules for integrated multifunctional intelligent systems. Progress in Polymer Science, 2010, 35, 174-211.	24.7	706
2	Interaction of Nanoparticles with Lipid Membrane. Nano Letters, 2008, 8, 941-944.	9.1	321
3	AFM Single Molecule Experiments at the Solidâ^'Liquid Interface:Â In Situ Conformation of Adsorbed Flexible Polyelectrolyte Chains. Journal of the American Chemical Society, 2005, 127, 15688-15689.	13.7	160
4	From Smart Polymer Molecules to Responsive Nanostructured Surfaces. Langmuir, 2005, 21, 8591-8593.	3.5	82
5	Interaction of Lipid Membrane with Nanostructured Surfaces. Langmuir, 2009, 25, 6287-6299.	3.5	82
6	Nonwettable Thin Films from Hybrid Polymer Brushes Can Be Hydrophilic. Langmuir, 2007, 23, 13-19.	3.5	70
7	Asymmetric Electrostatic and Hydrophobicâ€"Hydrophilic Interaction Forces between Mica Surfaces and Silicone Polymer Thin Films. ACS Nano, 2013, 7, 10094-10104.	14.6	65
8	Multiresponsive Biopolyelectrolyte Membrane. Advanced Materials, 2008, 20, 4588-4593.	21.0	54
9	Diversity of Nanostructured Self-Assemblies from a pH-Responsive ABC Terpolymer in Aqueous Media. Macromolecules, 2008, 41, 925-934.	4.8	54
10	AFM single molecule studies of adsorbed polyelectrolytes. Current Opinion in Colloid and Interface Science, 2005, 10, 9-15.	7.4	51
11	Single Molecule Experiments Visualizing Adsorbed Polyelectrolyte Molecules in the Full Range of Mono- and Divalent Counterion Concentrations. Journal of the American Chemical Society, 2010, 132, 13660-13662.	13.7	43
12	Multifunctional Stimuli Responsive ABC Terpolymers: From Three-Compartment Micelles to Three-Dimensional Network. Macromolecular Rapid Communications, 2005, 26, 1371-1376.	3.9	42
13	Conformational Transitions of Flexible Hydrophobic Polyelectrolytes in Solutions of Monovalent and Multivalent Salts and Their Mixtures. Langmuir, 2012, 28, 6037-6044.	3.5	40
14	Conformation of single polyelectrolyte chains vs. salt concentration: Effects of sample history and solid substrate. Polymer, 2006, 47, 2493-2498.	3.8	39
15	Field-Directed Self-Assembly with Locking Nanoparticles. Nano Letters, 2012, 12, 3814-3820.	9.1	38
16	Adsorption of Polyelectrolyte versus Surface Charge:Â in Situ Single-Molecule Atomic Force Microscopy Experiments on Similarly, Oppositely, and Heterogeneously Charged Surfacesâ€. Journal of Physical Chemistry B, 2007, 111, 8597-8604.	2.6	37
17	AFM Imaging of Adsorbed Nafion Polymer on Mica and Graphite at Molecular Level. Langmuir, 2011, 27, 10157-10166.	3.5	35
18	Mechanism of nanoparticle actuation by responsive polymer brushes: from reconfigurable composite surfaces to plasmonic effects. Nanoscale, 2012, 4, 284-292.	5.6	33

#	Article	IF	Citations
19	Polypropylene surface peroxidation with heterofunctional polyperoxides. Macromolecular Symposia, 2004, 210, 339-348.	0.7	23
20	Phase behavior and self-assembly of PSn(P2VP-b-PAA)n multiarmed multisegmented star terpolymers with ampholytic arms. Polymer Chemistry, 2011, 2, 2037.	3.9	20
21	Colloidal Occlusion Template Method for Micromanufacturing of Omniphobic Surfaces. Advanced Functional Materials, 2013, 23, 870-877.	14.9	20
22	Probing rough composite surfaces with atomic force microscopy: Nafion ionomer in fuel cell electrodes. Polymer, 2016, 102, 396-403.	3.8	20
23	Compatibilization of polymer blends with high-molecular-weight peroxides. Journal of Applied Polymer Science, 2005, 96, 232-242.	2.6	17
24	Effect of Local Charge Distribution on Graphite Surface on Nafion Polymer Adsorption as Visualized at the Molecular Level. Journal of Physical Chemistry C, 2011, 115, 16019-16026.	3.1	17
25	Stimuli-Responsive Hydrogel Hollow Capsules by Material Efficient and Robust Cross-Linking-Precipitation Synthesis Revisited. Langmuir, 2011, 27, 15305-15311.	3.5	17
26	Stimuli-Responsive Properties of Peptide-Based Copolymers Studied via Directional Growth of Self-Assembled Patterns on Solid Substrate. Biomacromolecules, 2009, 10, 1955-1961.	5.4	14
27	Effects of Surfactants and Polyelectrolytes on the Interaction between a Negatively Charged Surface and a Hydrophobic Polymer Surface. Langmuir, 2015, 31, 8013-8021.	3.5	14
28	Structure of salted and discharged globules of hydrophobic polyelectrolytes adsorbed from aqueous solutions. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1623-1627.	2.1	9
29	Radical processes for the creation of compatibilizing layers in polyolefin blends. Macromolecular Symposia, 2001, 164, 377-388.	0.7	7
30	Coarse-grained molecular models of the surface of hair. Soft Matter, 2022, 18, 1779-1792.	2.7	7
31	Hydrophobic, Electrostatic, and Dynamic Polymer Forces at Silicone Surfaces Modified with Long-Chain Bolaform Surfactants. Small, 2015, 11, 2058-2068.	10.0	4
32	Peroxide-containing compatibilizer for polypropylene blends with other polymers. Macromolecular Symposia, 2004, 210, 209-217.	0.7	3
33	Colloidal Systems on the Nanometer Length Scale. , 2008, , 131-154.		2