

Yuri V Roiter

List of Publications by Year in descending order

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33
papers

2,146
citations

361413

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414414

32
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34
all docs

34
docs citations

34
times ranked

3580
citing authors

#	ARTICLE	IF	CITATIONS
1	Coarse-grained molecular models of the surface of hair. <i>Soft Matter</i> , 2022, 18, 1779-1792.	2.7	7
2	Probing rough composite surfaces with atomic force microscopy: Nafion ionomer in fuel cell electrodes. <i>Polymer</i> , 2016, 102, 396-403.	3.8	20
3	Hydrophobic, Electrostatic, and Dynamic Polymer Forces at Silicone Surfaces Modified with Long-Chain Bolaform Surfactants. <i>Small</i> , 2015, 11, 2058-2068.	10.0	4
4	Effects of Surfactants and Polyelectrolytes on the Interaction between a Negatively Charged Surface and a Hydrophobic Polymer Surface. <i>Langmuir</i> , 2015, 31, 8013-8021.	3.5	14
5	Asymmetric Electrostatic and Hydrophobic/Hydrophilic Interaction Forces between Mica Surfaces and Silicone Polymer Thin Films. <i>ACS Nano</i> , 2013, 7, 10094-10104.	14.6	65
6	Colloidal Occlusion Template Method for Micromanufacturing of Omniphobic Surfaces. <i>Advanced Functional Materials</i> , 2013, 23, 870-877.	14.9	20
7	Field-Directed Self-Assembly with Locking Nanoparticles. <i>Nano Letters</i> , 2012, 12, 3814-3820.	9.1	38
8	Mechanism of nanoparticle actuation by responsive polymer brushes: from reconfigurable composite surfaces to plasmonic effects. <i>Nanoscale</i> , 2012, 4, 284-292.	5.6	33
9	Conformational Transitions of Flexible Hydrophobic Polyelectrolytes in Solutions of Monovalent and Multivalent Salts and Their Mixtures. <i>Langmuir</i> , 2012, 28, 6037-6044.	3.5	40
10	AFM Imaging of Adsorbed Nafion Polymer on Mica and Graphite at Molecular Level. <i>Langmuir</i> , 2011, 27, 10157-10166.	3.5	35
11	Effect of Local Charge Distribution on Graphite Surface on Nafion Polymer Adsorption as Visualized at the Molecular Level. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16019-16026.	3.1	17
12	Phase behavior and self-assembly of $PS_n(P2VP-b-PAA)_n$ multiarmed multisegmented star terpolymers with ampholytic arms. <i>Polymer Chemistry</i> , 2011, 2, 2037.	3.9	20
13	Stimuli-Responsive Hydrogel Hollow Capsules by Material Efficient and Robust Cross-Linking-Precipitation Synthesis Revisited. <i>Langmuir</i> , 2011, 27, 15305-15311.	3.5	17
14	Stimuli-responsive nanoparticles, nanogels and capsules for integrated multifunctional intelligent systems. <i>Progress in Polymer Science</i> , 2010, 35, 174-211.	24.7	706
15	Structure of salted and discharged globules of hydrophobic polyelectrolytes adsorbed from aqueous solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1623-1627.	2.1	9
16	Single Molecule Experiments Visualizing Adsorbed Polyelectrolyte Molecules in the Full Range of Mono- and Divalent Counterion Concentrations. <i>Journal of the American Chemical Society</i> , 2010, 132, 13660-13662.	18.7	43
17	Interaction of Lipid Membrane with Nanostructured Surfaces. <i>Langmuir</i> , 2009, 25, 6287-6299.	3.5	82
18	Stimuli-Responsive Properties of Peptide-Based Copolymers Studied via Directional Growth of Self-Assembled Patterns on Solid Substrate. <i>Biomacromolecules</i> , 2009, 10, 1955-1961.	5.4	14

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19	Multiresponsive Biopolyelectrolyte Membrane. <i>Advanced Materials</i> , 2008, 20, 4588-4593.	21.0	54
20	Interaction of Nanoparticles with Lipid Membrane. <i>Nano Letters</i> , 2008, 8, 941-944.	9.1	321
21	Diversity of Nanostructured Self-Assemblies from a pH-Responsive ABC Terpolymer in Aqueous Media. <i>Macromolecules</i> , 2008, 41, 925-934.	4.8	54
22	Colloidal Systems on the Nanometer Length Scale. , 2008, , 131-154.		2
23	Nonwetable Thin Films from Hybrid Polymer Brushes Can Be Hydrophilic. <i>Langmuir</i> , 2007, 23, 13-19.	3.5	70
24	Adsorption of Polyelectrolyte versus Surface Charge: Å in Situ Single-Molecule Atomic Force Microscopy Experiments on Similarly, Oppositely, and Heterogeneously Charged Surfaces. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8597-8604.	2.6	37
25	Conformation of single polyelectrolyte chains vs. salt concentration: Effects of sample history and solid substrate. <i>Polymer</i> , 2006, 47, 2493-2498.	3.8	39
26	AFM single molecule studies of adsorbed polyelectrolytes. <i>Current Opinion in Colloid and Interface Science</i> , 2005, 10, 9-15.	7.4	51
27	Compatibilization of polymer blends with high-molecular-weight peroxides. <i>Journal of Applied Polymer Science</i> , 2005, 96, 232-242.	2.6	17
28	Multifunctional Stimuli Responsive ABC Terpolymers: From Three-Compartment Micelles to Three-Dimensional Network. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1371-1376.	3.9	42
29	AFM Single Molecule Experiments at the Solid~Liquid Interface: Å In Situ Conformation of Adsorbed Flexible Polyelectrolyte Chains. <i>Journal of the American Chemical Society</i> , 2005, 127, 15688-15689.	13.7	160
30	From Smart Polymer Molecules to Responsive Nanostructured Surfaces. <i>Langmuir</i> , 2005, 21, 8591-8593.	3.5	82
31	Peroxide-containing compatibilizer for polypropylene blends with other polymers. <i>Macromolecular Symposia</i> , 2004, 210, 209-217.	0.7	3
32	Polypropylene surface peroxidation with heterofunctional polyperoxides. <i>Macromolecular Symposia</i> , 2004, 210, 339-348.	0.7	23
33	Radical processes for the creation of compatibilizing layers in polyolefin blends. <i>Macromolecular Symposia</i> , 2001, 164, 377-388.	0.7	7