

Alexei A Gorbunov

List of Publications by Year in descending order

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22
papers

870
citations

623734

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h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical properties of confined macromolecules. <i>Advances in Colloid and Interface Science</i> , 1995, 62, 31-108.	14.7	200
2	Retention Behavior of Linear and Ring Polystyrene at the Chromatographic Critical Condition. <i>Macromolecules</i> , 2002, 35, 529-538.	4.8	82
3	Liquid exclusion adsorption chromatography: new technique for isocratic separation of nonionic surfactants. <i>Journal of Chromatography A</i> , 2001, 910, 207-216.	3.7	80
4	Theory of liquid chromatography of mono- and difunctional macromolecules. <i>Journal of Chromatography A</i> , 2002, 955, 9-17.	3.7	71
5	Liquid chromatography of polyethylene glycol mono- and diesters: functional macromolecules or block copolymers?. <i>Journal of Chromatography A</i> , 2003, 984, 29-43.	3.7	57
6	Liquid exclusion adsorption chromatography: a new technique for isocratic separation of non-ionic surfactants. <i>Journal of Chromatography A</i> , 2002, 953, 89-99.	3.7	49
7	Reversed-phase high-performance liquid chromatography of polyethers. <i>Journal of Chromatography A</i> , 1998, 798, 187-201.	3.7	43
8	Theory of chromatographic separation of linear and star-shaped binary block-copolymers. <i>Journal of Chromatography A</i> , 2005, 1064, 169-181.	3.7	43
9	Theory of chromatography of linear and cyclic polymers with functional groups. <i>Polymer</i> , 2004, 45, 7303-7315.	3.8	42
10	Liquid adsorption chromatography of polyethers: experiments and simulation. <i>Journal of Chromatography A</i> , 2000, 890, 195-210.	3.7	36
11	Characterization of EO-PO Block Copolymers by Liquid Chromatography Under Critical Conditions. <i>Macromolecular Symposia</i> , 2006, 237, 18-27.	0.7	32
12	Theory of chromatography of complex cyclic polymers: eight-shaped and daisy-like macromolecules. <i>Polymer</i> , 2004, 45, 6761-6770.	3.8	31
13	Liquid Chromatography of Theta-Shaped and Three-Armed Star Poly(tetrahydrofuran)s: Theory and Experimental Evidence of Topological Separation. <i>Analytical Chemistry</i> , 2008, 80, 8153-8162.	6.5	27
14	A theory of topological separation of linear and star-shaped polymers by two-dimensional chromatography. <i>Polymer</i> , 2009, 50, 2727-2735.	3.8	18
15	Calibration of chromatographic systems for quantitative prediction of chromatography of homopolymers. <i>Journal of Chromatography A</i> , 2009, 1216, 8883-8890.	3.7	14
16	Two-dimensional liquid chromatography of diblock copolymers: Simulation at various adsorption interaction conditions. <i>Journal of Chromatography A</i> , 2010, 1217, 4825-4833.	3.7	14
17	Theory of chromatography of ring-shaped block copolymers. <i>Polymer</i> , 2010, 51, 3285-3292.	3.8	7
18	Simulating chromatographic separation of topologically different polymers. <i>Procedia Chemistry</i> , 2010, 2, 140-151.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Discrimination of block structures in liquid adsorption chromatography of polymers. Simulation and experiment. <i>Journal of Chromatography A</i> , 2014, 1329, 98-106.	3.7	6
20	Chromatography under critical conditions: An analogy between functionalized and partially cyclic polymers. <i>Journal of Chromatography A</i> , 2016, 1456, 162-168.	3.7	5
21	Theory of chromatography of partially cyclic polymers: Tadpole-type and manacle-type macromolecules. <i>Journal of Chromatography A</i> , 2016, 1433, 56-65.	3.7	5
22	Epitope specificity of two anti- ϵ -morphine monoclonal antibodies: In vitro and in silico studies. <i>Journal of Molecular Recognition</i> , 2020, 33, e2846.	2.1	2