

Valerij Y Grinberg

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cryostructuring of polymer systems. XXIX. Preparation and characterization of supermacroporous (spongy) agarose-based cryogels used as three-dimensional scaffolds for culturing insulin-producing cell aggregates. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3046-3062.	2.6	43
2	The thermal unfolding and domain structure of Na ⁺ /K ⁺ -exchanging ATPase.. <i>FEBS Journal</i> , 2001, 268, 5027-5036.	0.2	32
3	Thermodynamics of Conformational Ordering of $\hat{1}$ -Carrageenan in KCl Solutions Using High-Sensitivity Differential Scanning Calorimetry. <i>Biomacromolecules</i> , 2001, 2, 864-873.	5.4	31
4	Ternary Interpolyelectrolyte Complexes Insulin-Poly(methylaminophosphazene)-Dextran Sulfate for Oral Delivery of Insulin. <i>Langmuir</i> , 2013, 29, 2273-2281.	3.5	30
5	Stimuli-sensitive cross-linked hydrogels as drug delivery systems: Impact of the drug on the responsiveness. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119157.	5.2	30
6	Thermoresponsive Copolymer Cryogel Possessing Molecular Memory: Synthesis, Energetics of Collapse and Interaction with Ligands. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 72-80.	2.2	22
7	Energetics and Mechanisms of poly(N-isopropylacrylamide) Phase Transitions in Water-Methanol Solutions. <i>Macromolecules</i> , 2020, 53, 10765-10772.	4.8	16
8	Thermodynamic insight into the thermoresponsive behavior of chitosan in aqueous solutions: A differential scanning calorimetry study. <i>Carbohydrate Polymers</i> , 2020, 229, 115558.	10.2	15
9	Functionalized thermoresponsive microgels based on N-isopropylacrylamide: Energetics and mechanism of phase transitions. <i>European Polymer Journal</i> , 2020, 133, 109722.	5.4	15
10	A new hydrogel system undergoing a volume phase transition upon heating. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 1603-1607.	2.2	13
11	Energetics of LCST transition of poly(ethylene oxide) in aqueous solutions. <i>Polymer</i> , 2015, 73, 86-90.	3.8	13
12	Interpolyelectrolyte complexes of lysozyme with short poly[di(carboxylatophenoxy)phosphazene]. Binding energetics and protein conformational stability. <i>Polymer</i> , 2017, 108, 97-104.	3.8	13
13	Novel 18-crown-6-ether containing mono- and bisstyryl dyes derived from pyridine moiety as fluorescent dyes for non-covalent interaction with DNA. <i>Dyes and Pigments</i> , 2018, 157, 80-92.	3.7	13
14	Binding Affinity of Thermoresponsive Polyelectrolyte Hydrogels for Charged Amphiphilic Ligands. A DSC Approach. <i>Langmuir</i> , 2014, 30, 4165-4171.	3.5	12
15	Salt-Induced Thermoresponsivity of Cross-Linked Polymethoxyethylaminophosphazene Hydrogels: Energetics of the Volume Phase Transition. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1981-1991.	2.6	11
16	Cryostructuring of Polymeric Systems. 49. Unexpected "Kosmotropic-Like" Impact of Organic Chaotropes on Freeze-Thaw-Induced Gelation of PVA in DMSO. <i>Gels</i> , 2018, 4, 81.	4.5	11
17	Protein-like energetics of conformational transitions in a polyampholyte hydrogel. <i>Polymer</i> , 2019, 179, 121617.	3.8	11
18	Polyplexes of Poly(methylaminophosphazene): Energetics of DNA Melting. <i>Langmuir</i> , 2011, 27, 11582-11590.	3.5	9

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19	Conformational Energetics of Interpolyelectrolyte Complexation between $\hat{1}$ -Carrageenan and Poly(methylaminophosphazene) Measured by High-Sensitivity Differential Scanning Calorimetry. <i>Langmuir</i> , 2011, 27, 7714-7721.	3.5	9
20	Energetics and Mechanism of Conformational Transitions of Protein-Like NIPAM-Sodium Styrene Sulfonate Copolymers in Aqueous Solutions. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2344-2355.	2.2	8
21	High pressure effects under phase separation of aqueous solutions of poly(N-isopropylacrylamide): A HS-DSC study. <i>Polymer</i> , 2015, 64, 14-18.	3.8	8
22	Energetics of phase separation in aqueous solutions of poly(vinyl methyl ether). <i>Polymer</i> , 2016, 87, 283-289.	3.8	8
23	Salt-Induced Thermoresponsivity of a Cationic Phosphazene Polymer in Aqueous Solutions. <i>Macromolecules</i> , 2018, 51, 7964-7973.	4.8	6
24	Energetics of poloxamer micellization at normal and high pressures. <i>Polymer</i> , 2018, 138, 288-294.	3.8	5
25	Conformational energetics of insulin in interpolyelectrolyte complexes insulin-poly(methylaminophosphazene) under near-physiological conditions. <i>Polymer</i> , 2016, 85, 28-36.	3.8	4
26	Conformation-dependent affinity of protein-like copolymers for small ligands. <i>Poly(NIPAM-co-sodium)</i> <i>J Polym Sci Part B: Polym Phys</i> , 2017, 55, 1000-1008.	3.8	3
27	Conformation-Dependent Affinity of Thermoresponsive Biodegradable Hydrogels for Multifunctional Ligands: A Differential Scanning Calorimetry Approach. <i>Langmuir</i> , 2018, 34, 14378-14387.	3.5	3
28	Binding Energetics of Charged Amphiphilic Ligands to Thermoresponsive Biodegradable Poly(methoxyethylaminophosphazene) Hydrogels. <i>Langmuir</i> , 2019, 35, 16915-16924.	3.5	2
29	Biodegradable thermoresponsive oligochitosan nanoparticles: Mechanisms of phase transition and drug binding-release. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1451-1460.	7.5	2