Valerij Y Grinberg

List of Publications by Year
in descending order

29	398	759233 12	794594 19
papers	citations	h-index	g-index

29	29	29	516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamic insight into the thermoresponsive behavior of chitosan in aqueous solutions: A differential scanning calorimetry study. Carbohydrate Polymers, 2020, 229, 115558.	10.2	15
2	Energetics and Mechanisms of poly(N-isopropylacrylamide) Phase Transitions in Waterâ€“Methanol Solutions. Macromolecules, 2020, 53, 10765-10772.	4.8	16
3	Biodegradable thermoresponsive oligochitosan nanoparticles: Mechanisms of phase transition and drug binding-release. International Journal of Biological Macromolecules, 2020, 164, 1451-1460.	7.5	2
4	Stimuli-sensitive cross-linked hydrogels as drug delivery systems: Impact of the drug on the responsiveness. International Journal of Pharmaceutics, 2020, 579, 119157.	5.2	30
5	Functionalized thermoresponsive microgels based on N-isopropylacrylamide: Energetics and mechanism of phase transitions. European Polymer Journal, 2020, 133, 109722.	5.4	15
6	Protein-like energetics of conformational transitions in a polyampholyte hydrogel. Polymer, 2019, 179, 121617.	3.8	11
7	Binding Energetics of Charged Amphiphilic Ligands to Thermoresponsive Biodegradable Poly(methoxyethylaminophosphazene) Hydrogels. Langmuir, 2019, 35, 16915-16924.	3.5	2
8	Salt-Induced Thermoresponsivity of Cross-Linked Polymethoxyethylaminophosphazene Hydrogels: Energetics of the Volume Phase Transition. Journal of Physical Chemistry B, 2018, 122, 1981-1991.	2.6	11
9	Novel 18-crown-6-ether containing mono- and bisstyryl dyes derived from pyridine moiety as fluorescent dyes for non-covalent interaction with DNA. Dyes and Pigments, 2018, 157, 80-92.	3.7	13
10	Cryostructuring of Polymeric Systems. 49. Unexpected â€œKosmotropic-Likeâ€•Impact of Organic Chaotropes on Freezeâ€“Thaw-Induced Gelation of PVA in DMSO. Gels, 2018, 4, 81.	4.5	11
11	Conformation-Dependent Affinity of Thermoresponsive Biodegradable Hydrogels for Multifunctional Ligands: A Differential Scanning Calorimetry Approach. Langmuir, 2018, 34, 14378-14387.	3.5	3
12	Salt-Induced Thermoresponsivity of a Cationic Phosphazene Polymer in Aqueous Solutions. Macromolecules, 2018, 51, 7964-7973.	4.8	6
13	Energetics of poloxamer micellization at normal and high pressures. Polymer, 2018, 138, 288-294.	3.8	5
14	Interpolyelectrolyte complexes of lysozyme with short poly[di(carboxylatophenoxy)phosphazene]. Binding energetics and protein conformational stability. Polymer, 2017, 108, 97-104.	3.8	13
15	Energetics of phase separation in aqueous solutions of poly(vinyl methyl ether). Polymer, 2016, 87, 283-289.	3.8	8
16	Conformation-dependent affinity of protein-like copolymers for small ligands. Poly(NIPAM-co-sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.8	3
17	Conformational energetics of insulin in interpolyelectrolyte complexes insulin-poly(methylaminophosphazene) under near-physiological conditions. Polymer, 2016, 85, 28-36.	3.8	4
18	Energetics and Mechanism of Conformational Transitions of Proteinâ€Like NIPAMâ€Sodium Styrene Sulfonate Copolymers in Aqueous Solutions. Macromolecular Chemistry and Physics, 2015, 216, 2344-2355.	2.2	8

#	Article	IF	Citations
19	Energetics of LCST transition of poly(ethylene oxide) in aqueous solutions. Polymer, 2015, 73, 86-90.	3.8	13
20	High pressure effects under phase separation of aqueous solutions of poly(N-isopropylacryamide): A HS-DSC study. Polymer, 2015, 64, 14-18.	3.8	8
21	Binding Affinity of Thermoresponsive Polyelectrolyte Hydrogels for Charged Amphiphilic Ligands. A DSC Approach. Langmuir, 2014, 30, 4165-4171.	3.5	12
22	Ternary Interpolyelectrolyte Complexes Insulin-Poly(methylaminophosphazene)-Dextran Sulfate for Oral Delivery of Insulin. Langmuir, 2013, 29, 2273-2281.	3.5	30
23	Polyplexes of Poly(methylaminophosphazene): Energetics of DNA Melting. Langmuir, 2011, 27, 11582-11590.	3.5	9
24	Conformational Energetics of Interpolyelectrolyte Complexation between Î¹-Carrageenan and Poly(methylaminophosphazene) Measured by High-Sensitivity Differential Scanning Calorimetry. Langmuir, 2011, 27, 7714-7721.	3.5	9
25	Thermoresponsive Copolymer Cryogel Possessing Molecular Memory: Synthesis, Energetics of Collapse and Interaction with Ligands. Macromolecular Chemistry and Physics, 2011, 212, 72-80.	2.2	22
26	Cryostructuring of polymer systems. XXIX. Preparation and characterization of supermacroporous (spongy) agaroseâ€based cryogels used as threeâ€dimensional scaffolds for culturing insulinâ€producing cell aggregates. Journal of Applied Polymer Science, 2008, 108, 3046-3062.	2.6	43
27	Thermodynamics of Conformational Ordering of Î¹-Carrageenan in KCl Solutions Using High-Sensitivity Differential Scanning Calorimetry. Biomacromolecules, 2001, 2, 864-873.	5.4	31
28	The thermal unfolding and domain structure of Na+/K+-exchanging ATPase.. FEBS Journal, 2001, 268, 5027-5036.	0.2	32
29	A new hydrogel system undergoing a volume phase transition upon heating. Macromolecular Chemistry and Physics, 1999, 200, 1603-1607.	2.2	13