Timur A Mukhametzyanov

List of Publications by Year
in descending order

60	831	516710 16	580821 25
papers	citations	h-index	g-index

61	61	61	545
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure of amyloidogenic PAP(85-120) peptide by high-resolution NMR spectroscopy. Journal of Molecular Structure, 2022, 1253, 132294.	3.6	0
2	Intermolecular interactions between imidazolium- and cholinium-based ionic liquids and lysozyme: Regularities and peculiarities. Journal of Molecular Liquids, 2022, 348, 118426.	4.9	11
3	Micelleplexes and polyplexes with DNA from salmon sperm based on pillar[5]arenes and thiacalix[4]arene. AIP Conference Proceedings, 2022, , .	0.4	0
4	Refolding of Lysozyme in Glycerol as Studied by Fast Scanning Calorimetry. International Journal of Molecular Sciences, 2022, 23, 2773.	4.1	5
5	Step-scan differential calorimetry of protein denaturation: Modeling and experiment. Thermochimica Acta, 2022, 710, 179181.	2.7	2
6	Glass Transition Kinetics and Physical Aging of Polyvinylpyrrolidones with Different Molecular Masses. Macromolecules, 2022, 55, 4516-4522.	4.8	8
7	Structure-Functional Characteristics of the Svx Proteinâ€”The Virulence Factor of the Phytopathogenic Bacterium Pectobacterium atrosepticum. International Journal of Molecular Sciences, 2022, 23, 6914.	4.1	5
8	Supramolecular approaches to the formation of nanostructures based on phosphonate-thiacalix[4]arenes, their selective lysozyme recognition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125897.	4.7	10
9	Group additive approach for heterocyclic aromatic solutes in [BMIM][BF4]. Journal of Molecular Liquids, 2021, 321, 114746.	4.9	2
10	Calorimetric observation of lysozyme degradation at elevated temperature in water and DMSO-water mixtures. Thermochimica Acta, 2021, 695, 178826.	2.7	4
11	Thermochemistry of Solution, Solvation, and Hydrogen Bonding of Cyclic Amides in Proton Acceptor and Donor Solvents. Amide Cycle Size Effect. Molecules, 2021, 26, 1411.	3.8	5
12	Crystallization kinetics and glass-forming ability of rapidly crystallizing drugs studied by Fast Scanning Calorimetry. International Journal of Pharmaceutics, 2021, 599, 120427.	5.2	19
13	Effect of cation structure on the formation of hydrogen bond between ionic liquids and solute molecules. Journal of Molecular Liquids, 2021, 334, 116089.	4.9	4
14	Hexamorphism of Dantrolene: Insight into the Crystal Structures, Stability, and Phase Transformations. Crystal Growth and Design, 2021, 21, 1190-1201.	3.0	16
15	Fast Scanning Calorimetry of Organic Materials from Low Molecular Mass Materials to Polymers. Reviews and Advances in Chemistry, 2021, 11, 1-72.	0.5	9
16	Crystal Nucleation and Growth in Cross-Linked Poly(Îµ-caprolactone) (PCL). Polymers, 2021, 13, 3617.	4.5	4
17	Water-soluble pillar[5]arene sulfo-derivatives self-assemble into biocompatible nanosystems to stabilize therapeutic proteins. Bioorganic Chemistry, 2021, 117, 105415.	4.1	8
18	Application of the Flash DSC 1 and 2+ for vapor pressure determination above solids and liquids. Thermochimica Acta, 2021, 706, 179067.	2.7	13

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19	PAMAM-calix-dendrimers: Synthesis and Thiacalixarene Conformation Effect on DNA Binding. International Journal of Molecular Sciences, 2021, 22, 11901.	4.1	13
20	Kinetic stability of amorphous dipyridamole: A fast scanning calorimetry investigation. International Journal of Pharmaceutics, 2020, 574, 118890.	5.2	15
21	Hydrogen bonding of linear and cyclic amides in ionic liquids. Thermochimica Acta, 2020, 692, 178757.	2.7	3
22	Impact of oppositely charged shell and cores on interaction of core-shell colloids with differently charged proteins as a route for tuning of the colloids cytotoxicity. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111306.	5.0	7
23	The fusion thermochemistry of rubrene and 9,10-diphenylanthracene between 298 and 650 K: Fast scanning and solution calorimetry. Thermochimica Acta, 2020, 693, 178778.	2.7	17
24	A new method for heat capacity determination in supercooled liquid state using fast scanning calorimetry: Thermochemical study of 9,9'-bifluorenyl. Thermochimica Acta, 2020, 694, 178805.	2.7	12
25	Self-Assembly of Supramolecular Architectures by the Effect of Amino Acid Residues of Quaternary Ammonium Pillar[5]arenes. International Journal of Molecular Sciences, 2020, 21, 7206.	4.1	15
26	2D Monomolecular Nanosheets Based on Thiacalixarene Derivatives: Synthesis, Solid State Self-Assembly and Crystal Polymorphism. Nanomaterials, 2020, 10, 2505.	4.1	3
27	Organoboron Ionic Liquids as Extractants for Distillation Process of Binary Ethanol + Water Mixtures. Processes, 2020, 8, 628.	2.8	9
28	Nanostructured Polyelectrolyte Complexes Based on Water-Soluble Thiacalix[4]Arene and Pillar[5]Arene: Self-Assembly in Micelleplexes and Polyplexes at Packaging DNA. Nanomaterials, 2020, 10, 777.	4.1	5
29	The ability of ionic liquids to form hydrogen bonds with organic solutes evaluated by different experimental techniques. Part II. Alkyl substituted pyrrolidinium- and imidazolium-based ionic liquids. Journal of Molecular Liquids, 2020, 309, 113138.	4.9	8
30	Growth and dissolution of crystal nuclei in poly(l-lactic acid) (PLLA) in Tammann's development method. Polymer, 2020, 196, 122453.	3.8	31
31	Long-chain linear alcohols: Reconciliation of phase transition enthalpies. Journal of Chemical Thermodynamics, 2020, 146, 106103.	2.0	17
32	The temperature coefficients of volume changes in first and second order isopolar reactions in a liquid phase. High Temperatures - High Pressures, 2020, 48, 353-366.	0.3	1
33	Thermally induced cyclization of ‹sub›L‹/sub›â€isoleucylâ€‹sub›L‹/sub›â€alanine in solid state: Effect of dipeptide structure on reaction temperature and selfâ€assembly. Journal of Peptide Science, 2019, 25, e3177.	1.4	15
34	The Effect of Dimethyl Sulfoxide on the Lysozyme Unfolding Kinetics, Thermodynamics, and Mechanism. Biomolecules, 2019, 9, 547.	4.0	10
35	A Glucoseâ€Responsive Polymer Nanocarrier Based on Sulfonated Resorcinarene for Controlled Insulin Delivery. ChemPlusChem, 2019, 84, 1560-1566.	2.8	5
36	The fusion thermochemistry of self-associated aromatic compounds at 298.15â€¯K studied by solution calorimetry. Journal of Chemical Thermodynamics, 2019, 137, 43-47.	2.0	22

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37	Kinetic stability of amorphous solid dispersions with high content of the drug: A fast scanning calorimetry investigation. International Journal of Pharmaceutics, 2019, 562, 113-123.	5.2	24
38	Thermochemical properties of 1,2,3,4-tetraphenylnaphthalene and 1,3,5-triphenylbenzene in crystalline and liquid states studied by solution and fast scanning calorimetry. Journal of Molecular Liquids, 2019, 278, 394-400.	4.9	19
39	Lysozyme-Based Composite Drug Preparations for Inhalation Administration. BioNanoScience, 2019, 9, 131-140.	3.5	3
40	Formation of microspherical particles of albumin with model drug using spray drying process. Biointerface Research in Applied Chemistry, 2019, 9, 4605-4611.	1.0	4
41	Tetracarboxylic acids on a thiacalixarene scaffold: synthesis and binding of dopamine hydrochloride. New Journal of Chemistry, 2018, 42, 177-183.	2.8	20
42	Tuning magnetic relaxation properties of â€œhard coresâ€•in core-shell colloids by modification of â€œsoft shellâ€• Colloids and Surfaces B: Biointerfaces, 2018, 162, 52-59.	5.0	19
43	Influence of the Cross-Link Density on the Rate of Crystallization of Poly(Îµ-Caprolactone). Polymers, 2018, 10, 902.	4.5	20
44	Fast scanning calorimetry of lysozyme unfolding at scanning rates from 5â€¯K/min to 500,000â€¯K/min. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2024-2030.	2.4	11
45	Microspherical Particles of Solid Dispersion of Polyvinylpyrrolidone K29-32 for Inhalation Administration. BioMed Research International, 2018, 2018, 1-12.	1.9	11
46	Application of fast scanning calorimetry to the fusion thermochemistry of low-molecular-weight organic compounds: Fast-crystallizing m-terphenyl heat capacities in a deeply supercooled liquid state. Thermochimica Acta, 2018, 668, 96-102.	2.7	33
47	Cellular imaging by green luminescence of Tb(III)-doped aminomodified silica nanoparticles. Materials Science and Engineering C, 2017, 76, 551-558.	7.3	32
48	Melting temperature and heat of fusion of cytosine revealed from fast scanning calorimetry. Thermochimica Acta, 2017, 657, 47-55.	2.7	46
49	Self-assembly of chiral fluorescent nanoparticles based on water-soluble L-tryptophan derivatives of p-tert-butylthiacalix[4]arene. Beilstein Journal of Nanotechnology, 2017, 8, 1825-1835.	2.8	9
50	A study of the formation of magnetically active solid dispersions of phenacetin using atomic and magnetic force microscopy. Journal of Advanced Pharmaceutical Technology and Research, 2017, 8, 2.	1.0	8
51	Additive scheme for calculation of solvation enthalpies of heterocyclic aromatic compounds. Sublimation/vaporization enthalpy at 298.15 K. Thermochimica Acta, 2016, 633, 37-47.	2.7	38
52	A procedure for calibration of differential scanning calorimeters. Thermochimica Acta, 2016, 639, 10-13.	2.7	5
53	Synthesis and properties of chiral nanoparticles based on (pS)- and (pR)-decasubstituted pillar[5]arenes containing secondary amide fragments. RSC Advances, 2016, 6, 9124-9131.	3.6	25
54	Enthalpies of fusion and enthalpies of solvation of aromatic hydrocarbons derivatives: Estimation of sublimation enthalpies at 298.15 K. Thermochimica Acta, 2016, 627-629, 77-82.	2.7	38

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55	Lipoplexes of dicationic gemini surfactants with DNA: Structural features of DNA compaction and transfection efficiency. Doklady Biochemistry and Biophysics, 2015, 465, 432-435.	0.9	4
56	New method for determination of vaporization and sublimation enthalpy of aromatic compounds at 298.15 K using solution calorimetry technique and group-additivity scheme. Thermochimica Acta, 2015, 622, 88-96.	2.7	81
57	Enthalpies of solution, enthalpies of fusion and enthalpies of solvation of polyaromatic hydrocarbons: Instruments for determination of sublimation enthalpy at 298.15K. Thermochimica Acta, 2015, 622, 107-112.	2.7	36
58	Effect of tetrahydrofuran on the binding of the competitive inhibitor proflavin and the storage stability of bovine pancreatic Î±â€chymotrypsin. Engineering in Life Sciences, 2009, 9, 82-88.	3.6	4
59	Effect of dioxane on the binding of competitive inhibitor proflavin and catalytic activity of bovine pancreatic Î±-chymotrypsin. Russian Journal of Physical Chemistry A, 2007, 81, 1160-1164.	0.6	2
60	Effect of acetonitrile on the binding of competitive inhibitor proflavin and on the catalytic activity of bovine pancreatic Î±-chymotrypsin. Russian Journal of Physical Chemistry A, 2006, 80, 803-808.	0.6	3