Sayora Rashidova

List of Publications by Citations

78 papers	326 citations	8 h-index	15 g-index
82 ext. papers	342 ext. citations	1.4 avg, IF	2.73 L-index

#	Paper	IF	Citations
78	Bionanocompositional chitosan-silica sorbent for liquid chromatography. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2004**, 800, 49-53	3.2	68
77	Trends in the science and applications of pectins. *Chemistry of Natural Compounds*, **2000**, 36, 1-10	0.7	25
76	Structural Investigations of Chitin and Its Deacetylation Products. *Chemistry of Natural Compounds*, **2000**, 36, 352-355	0.7	24
75	Characteristics of Interactions in the Pectin?Chitosan System. *Chromatographia*, **2004**, 59,	2.1	21
74	QSPR Modeling of the Reactivity Parameters of Monomers in Radical Copolymerizations. *Journal of Structural Chemistry*, **2004**, 45, 945-950	0.9	17
73	Metal complexes of polymers with amino acid residues. formation, stability and controlled biological activity. *Journal of Controlled Release*, **1990**, 14, 61-70	11.7	12
72	Some conformational parameters of poly(vinylpyrrolidone), poly(vinylcaprolactam) and their copolymers in dilute solutions. *Polymer Science USSR*, **1989**, 31, 666-672		11
71	Liquid chromatography of polysaccharides. *Chemistry of Natural Compounds*, **1999**, 35, 1-13	0.7	10
70	Structure and properties of biodegradable carboxymethyl cellulose films containing silver nanoparticles. *Polymer Science - Series A*, **2014**, 56, 283-288	1.2	8
69	Physicochemical studies of cotton cellulose and its derivatives containing silver nanoparticles. *Chemistry of Natural Compounds*, **2011**, 47, 415-418	0.7	8
68	Fungicide features of the nanosystems of silkworm (Bombyx mori) chitosan with copper ions. *Microbiology*, **2014**, 83, 751-753	1.4	7
67	Computer modeling of chitosan adsorption on a carbon nanotube. *Journal of Structural Chemistry*, **2012**, 53, 829-834	0.9	7
66	Isolation of Chitin from a Variety of Raw Materials, Modification of the Material, and Interaction its Derivatives with Metal Ions. *Chromatographia*, **2004**, 59,	2.1	7
65	Use of Allylbenzene and Allyl Phenyl Ether as Chain-Transfer Agents in Radical Polymerization. *Russian Journal of Applied Chemistry*, **2004**, 77, 994-997	0.8	6
64	State and prospects of solar cells based on perovskites. *Applied Solar Energy (English Translation of Geliotekhnika)*, **2016**, 52, 5-15	1.3	6
63	Advanced theory of multiple exciton generation effect in quantum dots. *European Physical Journal B*, **2012**, 85, 1	1.2	5
62	Drug Delivery Polymer Systems for Ophthalmic Administration of Anti- Viral Agents. *Current Drug Delivery*, **2020**, 17, 406-413	3.2	5

61	Statistical theory of multiple exciton generation in quantum dot solar cells. *Applied Solar Energy (English Translation of Geliotekhnika)*, **2009**, 45, 162-165	1.3	4
60	The properties of chitosan-cobalt nanoparticle solutions and related composite films. *Polymer Science - Series A*, **2015**, 57, 460-466	1.2	3
59	Bioactive properties of nanochitosan Bombyx mori. *Polymer Science - Series C*, **2017**, 59, 29-34	1.1	3
58	Effect of the structure of the biopolymer chitosan on its bactericidal activity. *Polymer Science - Series A*, **2013**, 55, 98-101	1.2	3
57	Structural investigation of polysaccharides and nanocompositions based on them. *Russian Journal of Bioorganic Chemistry*, **2011**, 37, 786-790	1	3
56	Radiation-induced defects in InP<Sn> single crystals irradiated with 60Co gamma quanta. *Journal of Engineering Physics and Thermophysics*, **2011**, 84, 479-482	0.6	3
55	Nanostructures of pectin and its metal complexes. *Chemistry of Natural Compounds*, **2010**, 46, 677-681	0.7	3
54	QSPR-modeling of oligophenylene melting points. *Journal of Structural Chemistry*, **2006**, 47, 362-366	0.9	3
53	Thermoelectrical power in AIIIBVcrystals and solid solution. *Semiconductor Science and Technology*, **2004**, 19, 472-474	1.8	3
52	Rheological Properties of Concentrated Solutions of Mixtures of Lemon Pectin with Flexible-Chain Vinyl Polymers. *Russian Journal of Applied Chemistry*, **2002**, 75, 1136-1140	0.8	3
51	Radical Polymerization of N-Vinylcaprolactam in Isopropanol. *Russian Journal of Applied Chemistry*, **2002**, 75, 1465-1467	0.8	3
50	Applying the Monte Carlo technique to build up models of glass transition temperatures of diverse polymers. *Structural Chemistry*, **2020**, 31, 1739-1743	1.8	3
49	Hydroxyapatite-Chitosan Bombyx mori: Synthesis and Physicochemical Properties. *Journal of Inorganic and Organometallic Polymers and Materials*, **2020**, 30, 3357-3368	3.2	2
48	Quantum theory of the hydrogen key in DNA. *Biophysics (Russian Federation)*, **2011**, 56, 206-209	0.7	2
47	Determination of the degree of sulfation of Bombyx mori chitosan by conductometric titration. *Russian Journal of Applied Chemistry*, **2009**, 82, 2192-2196	0.8	2
46	Synthesis of graft copolymers of N-vinylcaprolactam on chitosan. *Russian Journal of Applied Chemistry*, **2007**, 80, 1750-1752	0.8	2
45	The Structures and Physicochemical Properties of Mixtures of Water-Soluble Polymers. *Chromatographia*, **2004**, 59,	2.1	2
44	Reaction of Microcrystalline Cellulose with Water. *Chemistry of Natural Compounds*, **2002**, 38, 87-89	0.7	2

43	Auger Destruction of Polymers. *Doklady Chemistry*, **2002**, 387, 302-304	0.8	2
42	Studying Interactions in Microcrystalline Cellulose Drug Systems. *Pharmaceutical Chemistry Journal*, **2002**, 36, 619-622	0.9	2
41	Structural and physicochemical study of chitosan and polyvinylpyrrolidone blends. *Chemistry of Natural Compounds*, **2000**, 36, 258-262	0.7	2
40	Testing the atomic orbital graph as a basis for QSPR modeling of the boiling points of haloalkanes. *Journal of Structural Chemistry*, **1999**, 40, 950-958	0.9	2
39	Using the maximal topological distance matrix for QSPR modeling of the boiling points of cyclic hydrocarbons. *Journal of Structural Chemistry*, **1999**, 40, 169-172	0.9	2
38	Synthesis of poly-ketoesters by ester condensation. *Polymer Science USSR*, **1967**, 9, 164-172		2
37	Isolation of Nanocellulose from Cotton Cellulose and Computer Modeling of Its Structure. *Open Journal of Polymer Chemistry*, **2019**, 09, 117-129	2.9	2
36	Bactericidal Effect of Cotton Fabric Treated with Polymer Solution Containing Silver Nanoparticles of Different Sizes and Shapes. *Asian Journal of Chemistry*, **2020**, 32, 1335-1342	0.4	2
35	Synthesis and stabilization of cobalt and copper nanoparticles by using Bombyx mori chitosan. *Journal of the Korean Physical Society*, **2016**, 69, 1295-1300	0.6	2
34	Light amplification in irradiated-doped InP semiconductor superlattices. *Radiation Effects and Defects in Solids*, **2013**, 168, 224-227	0.9	1
33	Acrylonitrile copolymer nanofibers and their structural characteristics. *Polymer Science - Series A*, **2013**, 55, 39-42	1.2	1
32	Rheological properties of solutions of chitosan and its graft copolymer with N-vinylcaprolactam. *Polymer Science - Series A*, **2010**, 52, 939-941	1.2	1
31	Free-radical polymerization of N-vinylpyrrolidone under the conditions of secondary inhibition. *Polymer Science - Series B*, **2007**, 49, 297-300	0.8	1
30	QSPR modeling of vitrification temperatures for polyarylene oxides. *Journal of Structural Chemistry* , **2004**, 45, 706-712	0.9	1
29	Synthesis of Polyvinylpyrrolidone under Secondary Inhibition Conditions. *Russian Journal of Applied Chemistry*, **2002**, 75, 1032-1033	0.8	1
28	Enhancement of Bleaching of Cotton Cellulose with High-Frequency Currents. *Fibre Chemistry*, **2003** , 35, 149-151	0.6	1
27	Role of metal ions in development of specific properties of polymer metal complexes. *Makromolekulare Chemie Macromolecular Symposia*, **1986**, 4, 233-244		1
26	Synthesis and Structure of Grafted Copolymers of Acrylic Acid and Low Molecular Weight Polyethylene. *Russian Journal of Applied Chemistry*, **2020**, 93, 1498-1503	0.8	1

25	Role of Fractals in Perovskite Solar Cells. *Eurasian Chemico-Technological Journal*, **2017**, 18, 293	0.8	1
24	Synthesis and Stabilization of Cobalt and Cooper Nanoparticles by Chitosan Bombyx mori. *Journal of Inorganic and Organometallic Polymers and Materials*, **2016**, 26, 1380-1386	3.2	1
23	Negative reflection in GaP single crystals. *Optical and Quantum Electronics*, **2016**, 48, 1	2.4	
22	Absorption spectra of some radiation-doped A3B5 compounds. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2016**, 121, 710-712	0.7	
21	Study of Possible Ways of Improving the Morphology of Layers of the Solar Radiation Absorber in Perovskite-Based Cells. *Applied Solar Energy (English Translation of Geliotekhnika)*, **2019**, 55, 8-11	1.3	
20	A synergistic approach to the polydispersity of polymers. *Polymer Science - Series B*, **2013**, 55, 52-54	0.8	
19	Thermoadsorptive separation of DNA by size using a polymeric sorbent. *Biophysics (Russian Federation)*, **2013**, 58, 310-314	0.7	
18	Synthesis of N-Carboxymethylchitosan from Bombyx mori and its Role in Estimating Hematological Parameters. *Chemistry of Natural Compounds*, **2017**, 53, 726-728	0.7	
17	Synthesis and Characterization of Polymer+InP Composites. *Journal of Engineering Physics and Thermophysics*, **2015**, 88, 781-785	0.6	
16	Topological modeling of the reactive capacity and biological activity of some amino-polysaccharides. *Journal of Structural Chemistry*, **2011**, 52, 777-780	0.9	
15	Compatibility of Bombyx mori chitosan with pectin and Na-carboxymethyl cellulose in solutions. *Russian Journal of Applied Chemistry*, **2011**, 84, 307-310	0.8	
14	Thermoelectrical properties of In1-xGaxAs and InAs crystals irradiated with fast electrons. *Crystal Research and Technology*, **2004**, 39, 598-601	1.3	
13	Consolidation and Melioration of Salted Sandy Soils Using a Compound of Acetone-Formaldehyde Resin with Silk Sericin. *Russian Journal of Applied Chemistry*, **2003**, 76, 775-777	0.8	
12	Structural, Physicomechanical, and Sorption Properties of Ternary Acrylonitrile Copolymer Fibres. *Fibre Chemistry*, **2003**, 35, 193-197	0.6	
11	Change in the Structure of Cotton Cellulose and Carboxymethylcellulose in Drying with Ultrahigh-Frequency Radiation. *Fibre Chemistry*, **2003**, 35, 434-437	0.6	
10	Molecular and supramolecular interactions in systems based on microcrystalline cellulose and trichlorophene. *Pharmaceutical Chemistry Journal*, **2005**, 39, 658-662	0.9	
9	Structural features of chitin from Aral crustaceans and use of chitosans based on it. *Chemistry of Natural Compounds*, **2000**, 36, 120-123	0.7	
8	Decrease of threshold energy in photo-stimulated processes in condensed media. *Synthetic Metals*, **2000**, 115, 173-176	3.6	

7	Effect of the cleaning method on the structure and properties of cotton cellulose fabricated by combined boiling and bleaching. *Fibre Chemistry*, **1999**, 31, 204-207	0.6
6	Synthesis and biological activity of cobalt-containing polyvinylpyrrolidone complexes. *Pharmaceutical Chemistry Journal*, **1989**, 23, 375-378	0.9
5	Synthesis and properties of complexes of metals of the transition series and polymers with amino acid residues. *Pharmaceutical Chemistry Journal*, **1989**, 23, 968-971	0.9
4	ESR study of copper complexes of copolymers of N-vinylpyrrolidone with amino acid residues. *Polymer Science USSR*, **1990**, 32, 960-964	
3	Catalytic properties of cobalt and manganese complexes with macromolecular ligands in the liquid-phase oxidation of ethylbenzene. *Reaction Kinetics and Catalysis Letters*, **1979**, 10, 263-266	
2	Nanocomposites of Silver and N-Carboxymethylchitosan Bombyx mori. *Polymer Science - Series A*, **2020**, 62, 515-520	1.2
1	Polyethylene/Layered Aluminosilicate Nanocomposites: Investigation of Thermal Stability under Static and Dynamic Conditions. *Eurasian Chemico-Technological Journal*, **2017**, 18, 305	0.8