

# Sayora Rashidova

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Hydroxyapatite-Chitosan Bombyx mori: Synthesis and Physicochemical Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 3357-3368	3.2	2
77	Synthesis and Structure of Grafted Copolymers of Acrylic Acid and Low Molecular Weight Polyethylene. <i>Russian Journal of Applied Chemistry</i> , <b>2020</b> , 93, 1498-1503	0.8	1
76	Drug Delivery Polymer Systems for Ophthalmic Administration of Anti- Viral Agents. <i>Current Drug Delivery</i> , <b>2020</b> , 17, 406-413	3.2	5
75	Nanocomposites of Silver and N-Carboxymethylchitosan Bombyx mori. <i>Polymer Science - Series A</i> , <b>2020</b> , 62, 515-520	1.2	
74	Bactericidal Effect of Cotton Fabric Treated with Polymer Solution Containing Silver Nanoparticles of Different Sizes and Shapes. <i>Asian Journal of Chemistry</i> , <b>2020</b> , 32, 1335-1342	0.4	2
73	Applying the Monte Carlo technique to build up models of glass transition temperatures of diverse polymers. <i>Structural Chemistry</i> , <b>2020</b> , 31, 1739-1743	1.8	3
72	Study of Possible Ways of Improving the Morphology of Layers of the Solar Radiation Absorber in Perovskite-Based Cells. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , <b>2019</b> , 55, 8-11	1.3	
71	Isolation of Nanocellulose from Cotton Cellulose and Computer Modeling of Its Structure. <i>Open Journal of Polymer Chemistry</i> , <b>2019</b> , 09, 117-129	2.9	2
70	Synthesis of N-Carboxymethylchitosan from Bombyx mori and its Role in Estimating Hematological Parameters. <i>Chemistry of Natural Compounds</i> , <b>2017</b> , 53, 726-728	0.7	
69	Bioactive properties of nanochitosan Bombyx mori. <i>Polymer Science - Series C</i> , <b>2017</b> , 59, 29-34	1.1	3
68	Polyethylene/Layered Aluminosilicate Nanocomposites: Investigation of Thermal Stability under Static and Dynamic Conditions. <i>Eurasian Chemico-Technological Journal</i> , <b>2017</b> , 18, 305	0.8	
67	Role of Fractals in Perovskite Solar Cells. <i>Eurasian Chemico-Technological Journal</i> , <b>2017</b> , 18, 293	0.8	1
66	Negative reflection in GaP single crystals. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1	2.4	
65	Absorption spectra of some radiation-doped A3B5 compounds. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2016</b> , 121, 710-712	0.7	
64	Synthesis and stabilization of cobalt and copper nanoparticles by using Bombyx mori chitosan. <i>Journal of the Korean Physical Society</i> , <b>2016</b> , 69, 1295-1300	0.6	2
63	State and prospects of solar cells based on perovskites. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , <b>2016</b> , 52, 5-15	1.3	6
62	Synthesis and Stabilization of Cobalt and Cooper Nanoparticles by Chitosan Bombyx mori. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2016</b> , 26, 1380-1386	3.2	1

61	The properties of chitosan-cobalt nanoparticle solutions and related composite films. <i>Polymer Science - Series A</i> , <b>2015</b> , 57, 460-466	1.2	3
60	Synthesis and Characterization of Polymer+InP Composites. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2015</b> , 88, 781-785	0.6	
59	Structure and properties of biodegradable carboxymethyl cellulose films containing silver nanoparticles. <i>Polymer Science - Series A</i> , <b>2014</b> , 56, 283-288	1.2	8
58	Fungicide features of the nanosystems of silkworm ( <i>Bombyx mori</i> ) chitosan with copper ions. <i>Microbiology</i> , <b>2014</b> , 83, 751-753	1.4	7
57	Light amplification in Irradiated-doped InP semiconductor superlattices. <i>Radiation Effects and Defects in Solids</i> , <b>2013</b> , 168, 224-227	0.9	1
56	A synergistic approach to the polydispersity of polymers. <i>Polymer Science - Series B</i> , <b>2013</b> , 55, 52-54	0.8	
55	Thermoadsorptive separation of DNA by size using a polymeric sorbent. <i>Biophysics (Russian Federation)</i> , <b>2013</b> , 58, 310-314	0.7	
54	Acrylonitrile copolymer nanofibers and their structural characteristics. <i>Polymer Science - Series A</i> , <b>2013</b> , 55, 39-42	1.2	1
53	Effect of the structure of the biopolymer chitosan on its bactericidal activity. <i>Polymer Science - Series A</i> , <b>2013</b> , 55, 98-101	1.2	3
52	Computer modeling of chitosan adsorption on a carbon nanotube. <i>Journal of Structural Chemistry</i> , <b>2012</b> , 53, 829-834	0.9	7
51	Advanced theory of multiple exciton generation effect in quantum dots. <i>European Physical Journal B</i> , <b>2012</b> , 85, 1	1.2	5
50	Quantum theory of the hydrogen key in DNA. <i>Biophysics (Russian Federation)</i> , <b>2011</b> , 56, 206-209	0.7	2
49	Topological modeling of the reactive capacity and biological activity of some amino-polysaccharides. <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 777-780	0.9	
48	Structural investigation of polysaccharides and nanocompositions based on them. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2011</b> , 37, 786-790	1	3
47	Compatibility of <i>Bombyx mori</i> chitosan with pectin and Na-carboxymethyl cellulose in solutions. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 307-310	0.8	
46	Radiation-induced defects in InP<Sn> single crystals irradiated with <sup>60</sup> Co gamma quanta. <i>Journal of Engineering Physics and Thermophysics</i> , <b>2011</b> , 84, 479-482	0.6	3
45	Physicochemical studies of cotton cellulose and its derivatives containing silver nanoparticles. <i>Chemistry of Natural Compounds</i> , <b>2011</b> , 47, 415-418	0.7	8
44	Rheological properties of solutions of chitosan and its graft copolymer with N-vinylcaprolactam. <i>Polymer Science - Series A</i> , <b>2010</b> , 52, 939-941	1.2	1

43	Nanostructures of pectin and its metal complexes. <i>Chemistry of Natural Compounds</i> , <b>2010</b> , 46, 677-681	0.7	3
42	Determination of the degree of sulfation of Bombyx mori chitosan by conductometric titration. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 2192-2196	0.8	2
41	Statistical theory of multiple exciton generation in quantum dot solar cells. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , <b>2009</b> , 45, 162-165	1.3	4
40	Synthesis of graft copolymers of N-vinylcaprolactam on chitosan. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 1750-1752	0.8	2
39	Free-radical polymerization of N-vinylpyrrolidone under the conditions of secondary inhibition. <i>Polymer Science - Series B</i> , <b>2007</b> , 49, 297-300	0.8	1
38	QSPR-modeling of oligophenylene melting points. <i>Journal of Structural Chemistry</i> , <b>2006</b> , 47, 362-366	0.9	3
37	Molecular and supramolecular interactions in systems based on microcrystalline cellulose and trichlorophene. <i>Pharmaceutical Chemistry Journal</i> , <b>2005</b> , 39, 658-662	0.9	
36	Thermoelectrical power in AlIBVcrystals and solid solution. <i>Semiconductor Science and Technology</i> , <b>2004</b> , 19, 472-474	1.8	3
35	The Structures and Physicochemical Properties of Mixtures of Water-Soluble Polymers. <i>Chromatographia</i> , <b>2004</b> , 59,	2.1	2
34	Characteristics of Interactions in the Pectin?Chitosan System. <i>Chromatographia</i> , <b>2004</b> , 59,	2.1	21
33	Isolation of Chitin from a Variety of Raw Materials, Modification of the Material, and Interaction its Derivatives with Metal Ions. <i>Chromatographia</i> , <b>2004</b> , 59,	2.1	7
32	Use of Allylbenzene and Allyl Phenyl Ether as Chain-Transfer Agents in Radical Polymerization. <i>Russian Journal of Applied Chemistry</i> , <b>2004</b> , 77, 994-997	0.8	6
31	QSPR modeling of vitrification temperatures for polyarylene oxides. <i>Journal of Structural Chemistry</i> , <b>2004</b> , 45, 706-712	0.9	1
30	QSPR Modeling of the Reactivity Parameters of Monomers in Radical Copolymerizations. <i>Journal of Structural Chemistry</i> , <b>2004</b> , 45, 945-950	0.9	17
29	Thermoelectrical properties of In <sub>1-x</sub> GaxAs and InAs crystals irradiated with fast electrons. <i>Crystal Research and Technology</i> , <b>2004</b> , 39, 598-601	1.3	
28	Bionanocompositional chitosan-silica sorbent for liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 800, 49-53	3.2	68
27	Enhancement of Bleaching of Cotton Cellulose with High-Frequency Currents. <i>Fibre Chemistry</i> , <b>2003</b> , 35, 149-151	0.6	1
26	Consolidation and Melioration of Salted Sandy Soils Using a Compound of Acetone-Formaldehyde Resin with Silk Sericin. <i>Russian Journal of Applied Chemistry</i> , <b>2003</b> , 76, 775-777	0.8	

25	Structural, Physicomechanical, and Sorption Properties of Ternary Acrylonitrile Copolymer Fibres. <i>Fibre Chemistry</i> , <b>2003</b> , 35, 193-197	0.6	
24	Change in the Structure of Cotton Cellulose and Carboxymethylcellulose in Drying with Ultrahigh-Frequency Radiation. <i>Fibre Chemistry</i> , <b>2003</b> , 35, 434-437	0.6	
23	Reaction of Microcrystalline Cellulose with Water. <i>Chemistry of Natural Compounds</i> , <b>2002</b> , 38, 87-89	0.7	2
22	Synthesis of Polyvinylpyrrolidone under Secondary Inhibition Conditions. <i>Russian Journal of Applied Chemistry</i> , <b>2002</b> , 75, 1032-1033	0.8	1
21	Rheological Properties of Concentrated Solutions of Mixtures of Lemon Pectin with Flexible-Chain Vinyl Polymers. <i>Russian Journal of Applied Chemistry</i> , <b>2002</b> , 75, 1136-1140	0.8	3
20	Auger Destruction of Polymers. <i>Doklady Chemistry</i> , <b>2002</b> , 387, 302-304	0.8	2
19	Radical Polymerization of N-Vinylcaprolactam in Isopropanol. <i>Russian Journal of Applied Chemistry</i> , <b>2002</b> , 75, 1465-1467	0.8	3
18	Studying Interactions in Microcrystalline Cellulose Drug Systems. <i>Pharmaceutical Chemistry Journal</i> , <b>2002</b> , 36, 619-622	0.9	2
17	Structural Investigations of Chitin and Its Deacetylation Products. <i>Chemistry of Natural Compounds</i> , <b>2000</b> , 36, 352-355	0.7	24
16	Trends in the science and applications of pectins. <i>Chemistry of Natural Compounds</i> , <b>2000</b> , 36, 1-10	0.7	25
15	Structural features of chitin from Aral crustaceans and use of chitosans based on it. <i>Chemistry of Natural Compounds</i> , <b>2000</b> , 36, 120-123	0.7	
14	Structural and physicochemical study of chitosan and polyvinylpyrrolidone blends. <i>Chemistry of Natural Compounds</i> , <b>2000</b> , 36, 258-262	0.7	2
13	Decrease of threshold energy in photo-stimulated processes in condensed media. <i>Synthetic Metals</i> , <b>2000</b> , 115, 173-176	3.6	
12	Liquid chromatography of polysaccharides. <i>Chemistry of Natural Compounds</i> , <b>1999</b> , 35, 1-13	0.7	10
11	Testing the atomic orbital graph as a basis for QSPR modeling of the boiling points of haloalkanes. <i>Journal of Structural Chemistry</i> , <b>1999</b> , 40, 950-958	0.9	2
10	Using the maximal topological distance matrix for QSPR modeling of the boiling points of cyclic hydrocarbons. <i>Journal of Structural Chemistry</i> , <b>1999</b> , 40, 169-172	0.9	2
9	Effect of the cleaning method on the structure and properties of cotton cellulose fabricated by combined boiling and bleaching. <i>Fibre Chemistry</i> , <b>1999</b> , 31, 204-207	0.6	
8	Metal complexes of polymers with amino acid residues. formation, stability and controlled biological activity. <i>Journal of Controlled Release</i> , <b>1990</b> , 14, 61-70	11.7	12

- 7 ESR study of copper complexes of copolymers of N-vinylpyrrolidone with amino acid residues. *Polymer Science USSR*, **1990**, 32, 960-964
- 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 Some conformational parameters of poly(vinylpyrrolidone), poly(vinylcaprolactam) and their copolymers in dilute solutions. *Polymer Science USSR*, **1989**, 31, 666-672 11
- 3 Role of metal ions in development of specific properties of polymer metal complexes. *Makromolekulare Chemie Macromolecular Symposia*, **1986**, 4, 233-244 1
- 2 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
- 1 Synthesis of poly- $\beta$ -ketoesters by ester condensation. *Polymer Science USSR*, **1967**, 9, 164-172 2