Yurii Sazanov

List of Publications by Citations

92 papers	385 citations	9 h-index	15 g-index
92 ext. papers	403 ext. citations	1 avg, IF	3.04 L-index

#	Paper	IF	Citations
92	Applied Significance of Polyimides. *Russian Journal of Applied Chemistry*, **2001**, 74, 1253-1269	0.8	54
91	Thermochemistry of lignin. *Russian Journal of Applied Chemistry*, **2010**, 83, 175-194	0.8	22
90	Polyacrylonitrile: Carbonization problems. *Russian Journal of Applied Chemistry*, **2008**, 81, 919-932	0.8	21
89	Thermogravimetric study of the effect of the chemical structure of polyimides on their thermal stability. *Journal of Theoretical Biology*, **1975**, 7, 165-171	2.3	21
88	The role of nitrogen atoms in forming the carbon structure in the carbonization of polymer composites. *Fibre Chemistry*, **2008**, 40, 355-364	0.6	12
87	Composites of lignin and polyacrylonitrile as carbon precursors. *Russian Journal of Applied Chemistry*, **2008**, 81, 1220-1223	0.8	11
86	Investigation of thermal degradation of polystyrene with the aid of thermal analysis. *Journal of Thermal Analysis*, **1987**, 32, 311-314		9
85	Kinetics of the thermal degradation of polyimides. *Journal of Theoretical Biology*, **1982**, 23, 65-71	2.3	9
84	Thermoanalytical investigation of transformation of polyamido acid into polyimide. *Journal of Applied Polymer Science*, **1975**, 19, 2335-2345	2.9	9
83	Properties of Conducting Composite Systems Containing Polypyrrole Layers on Porous Polyethylene Films. *Russian Journal of Applied Chemistry*, **2005**, 78, 1993-2001	0.8	8
82	Thermochemistry of Carbonization of Polypyromellitimide. *Journal of Thermal Analysis*, **1987**, 32, 815-823		8
81	Thermoanalytical investigation of high-temperature transformations of polyimides. *Journal of Thermal Analysis*, **1988**, 34, 1117-1139		8
80	Complexes of acid amides with polar aprotic solvents. I. *Journal of Thermal Analysis*, **1982**, 24, 75-82		8
79	Thermal decomposition of polymethylmethacrylate synthesized with anionic catalysts. *Journal of Thermal Analysis*, **1974**, 6, 53-58		8
78	Criteria of polymer carbonization. *Russian Journal of Applied Chemistry*, **2009**, 82, 473-482	0.8	7
77	Cocarbonization of polyacrylonitrile with lignin. *Russian Journal of Applied Chemistry*, **2007**, 80, 619-622	0.8	7
76	Role of Structural Characteristics of Aromatic Polyimides in Carbonization. *Russian Journal of Applied Chemistry*, **2002**, 75, 606-610	0.8	7

75	Thermochemical transformations of hydrolysis lignin. *Russian Journal of Applied Chemistry*, **2010**, 83, 1607-1614	0.8	6
74	Polymeric Materials Derived from Vanillic Acid. *Russian Journal of Applied Chemistry*, **2002**, 75, 777-780	0.8	6
73	Preparation and investigation of polymer-polymer compositions based on polyacrylonitrile and aromatic polyamic acid. *Journal of Thermal Analysis*, **1990**, 36, 2329-2338		6
72	Some aspects of the carbonization of polyimides. *Acta Polymerica*, **1988**, 39, 431-434		6
71	Thermal and thermo-oxidative degradation of polystyrene in the presence of bromine-containing flame retardants. *Journal of Thermal Analysis*, **1988**, 33, 1213-1219		6
70	Complexes of acid amides with polar aprotic solvents. *Journal of Thermal Analysis*, **1983**, 26, 199-204		6
69	Complexes of acid amides with aprotic polar solvents IV. Complexes of poly(acid amides) with aprotic solvents. *Journal of Thermal Analysis*, **1983**, 27, 333-340		6
68	Investigation of the role of the pyrimidine ring in the main chain of polyamido acids and polyimides. 2. Characteristics of the thermocyclization of polypyromellitamido acids based on 2,5-bis(p-aminophenyl)pyrimidine and 4,4?-diaminoterphenyl. *Bulletin of the Russian Academy of Sciences Division of Chemical Science*, **1992**, 41, 1797-1800		5
67	Complexes of acid amides with polar aprotic solvents. *Journal of Thermal Analysis*, **1987**, 32, 1393-1400		5
66	Effects of some methodological factors on quantitative characteristics of thermal stability of polyimide materials. *Journal of Theoretical Biology*, **1976**, 10, 391-398	2.3	5
65	Potential activity of hydrolytic lignin in copolymerization reactions. *Russian Journal of Applied Chemistry*, **2009**, 82, 1592-1599	0.8	4
64	Cocarbonization of polymers as a new concept for synthesis of carbon composites. *Russian Journal of Applied Chemistry*, **2006**, 79, 433-438	0.8	4
63	Structural Features of Carbonization of Copolyimides. *Russian Journal of Applied Chemistry*, **2002**, 75, 1481-1484	0.8	4
62	Thermochemistry of Polymers Based on Vanillic Acid. *Magyar Apr□ad K□alem□yek*, **1999**, 55, 721-726	0	4
61	Thermal analysis in the investigation of composite polymers. *Journal of Thermal Analysis*, **1990**, 36, 361-376		4
60	Thermal analysis of polyamic acid-furyl alcohol compositions. *Journal of Thermal Analysis*, **1988**, 34, 289-295		4
59	Comparative thermal analysis (CTA) of thermally-stable polymers and model compounds. Polyimides and model compounds. *Journal of Theoretical Biology*, **1980**, 18, 65-75	2.3	4
58	Complexes of acid amides with polar aprotic solvents. II. Thermal analysis of the complexes of bis(N-phenyl)-pyromellitic acid amide with dimethylformamide, dimethylacetamide, N-methylpyrrolidone and dimethylsulfoxide. *Journal of Thermal Analysis*, **1982**, 25, 441-447		4

57	Effect of carbon nanostructures on the carbonization of polyacrylonitrile. *Russian Journal of Applied Chemistry*, **2013**, 86, 1410-1416	0.8	3
56	Structural features of carbon products: an NMR study. *Russian Journal of Applied Chemistry*, **2011**, 84, 111-117	0.8	3
55	New benzimidazole-2-yl-substituted polybenzimidazoles: Synthesis, properties, and hydrodynamic characteristics. *Polymer Science - Series B*, **2009**, 51, 102-107	0.8	3
54	Hydrolytic degradation and thermooxidative stability of polyimides based on 3,5-diaminodiphenyl oxide and 2-methyl-3,5-diaminodiphenyl sulfide. *Polymer Science - Series A*, **2007**, 49, 349-354	1.2	3
53	Cyclization and carbonization of anionic polyacrylonitrile in the presence of carbon nanofibers. *Russian Journal of Applied Chemistry*, **2008**, 81, 1010-1014	0.8	3
52	Cocarbinization of Blends of Polyacrylonitrile with Chitin and Chitosan. *Russian Journal of Applied Chemistry*, **2005**, 78, 1320-1324	0.8	3
51	Complexes of amic acids with polar aprotic solvents. VI. System of hydrogen-bonds in complexes of amic acids and polyamic acids with amide solvents. *Journal of Thermal Analysis*, **1987**, 32, 807-814		3
50	Influence of organic compounds on the cyclization, degradation and carbonization processes of poly(pyromellitimides). *Acta Polymerica*, **1988**, 39, 422-424		3
49	Solid-phase thermochemical reactions of polyimides. *Acta Polymerica*, **1988**, 39, 516-523		3
48	Thermal Transformations of Polyoxadiazoles. *Russian Journal of Applied Chemistry*, **2018**, 91, 23-30	0.8	2
47	Composite cellulose-polyacrylonitrile films prepared from solutions in a mixed solvent, 1-butyl-3-methylimidazolium chloride-dimethylformamide. *Russian Journal of Applied Chemistry*, **2014**, 87, 634-639	0.8	2
46	Thermochemical reactions of flax lignocarbohydrate complexes and their cyanoethylated derivatives. *Russian Journal of Applied Chemistry*, **2007**, 80, 1894-1897	0.8	2
45	Mechanism of low-temperature carbonization of polyacrylonitrile. *Russian Journal of Applied Chemistry*, **2007**, 80, 2124-2128	0.8	2
44	Changes in the supramolecular structure of heat-resistant polyimide fibers in the course of thermal treatment. *Russian Journal of Applied Chemistry*, **2006**, 79, 1178-1180	0.8	2
43	Thermomechanical properties of composite films of polyacrylonitrile with chitin and chitosan. *Russian Journal of Applied Chemistry*, **2006**, 79, 1329-1332	0.8	2
42	Carbonization of Polyacrylonitrile Composites with Nitrogen-containing Cellulose Derivatives. *Russian Journal of Applied Chemistry*, **2004**, 77, 639-644	0.8	2
41	Carbonization of some cellulose ethers and their graft copolymers with polyacrylonitrile. *Russian Journal of Applied Chemistry*, **2004**, 77, 1351-1354	0.8	2
40	Thermochemical Reactions of Polyacrylonitrile with Fullerene C6 0. *Russian Journal of Applied Chemistry*, **2003**, 76, 452-456	0.8	2

39	Prospects for Using Polyacrylonitrile for Preparing Carbonized Polymeric Composites. *Russian Journal of Applied Chemistry*, **2005**, 78, 794-797	0.8	2
38	Mechanism of polycondensation of polyimides. *Acta Polymerica*, **1991**, 42, 119-125		2
37	Relationships of Thermal Degradation of Homologous Series of Polyalkylstyrenes and Polyalkylacrylates. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **1990**, 14, 85-90		2
36	Amic acid complexes with aprotic polar solvents V. Complexes with amide solvents and isomerism of trimellite-dianilic acid. *Journal of Thermal Analysis*, **1984**, 29, 273-278		2
35	Thermogravimetric analysis of complexes of compounds serving as models of polyamic acids with amic solvents. *Journal of Thermal Analysis*, **1983**, 28, 317-324		2
34	Thermophysical properties of model compounds of the lignin structural unit. *Russian Chemical Bulletin*, **2016**, 65, 2504-2508	1.7	2
33	Thermochemical structural transformations of polyoxadiazoles. *Russian Journal of Applied Chemistry*, **2015**, 88, 1304-1310	0.8	1
32	Composite precursor of polyacrylonitrile with hydrolytic lignin. *Russian Journal of Applied Chemistry* , **2013**, 86, 933-938	0.8	1
31	New ways for fragmentation of hydrolysis lignin. *Russian Chemical Bulletin*, **2014**, 63, 2051-2055	1.7	1
30	Problems of solubility of hydrolysis lignin. *Russian Journal of Applied Chemistry*, **2011**, 84, 1238-1245	0.8	1
29	Cocarbonization of polyacrylonitrile-based composites. *Russian Journal of Applied Chemistry*, **2009**, 82, 2002-2005	0.8	1
28	Variation of supramolecular structure of heat-resistant polyimide films during thermal treatment. *Russian Journal of Applied Chemistry*, **2006**, 79, 1312-1315	0.8	1
27	Effect of Fullerene on Cyclization of Polyamido Acids. *Russian Journal of Applied Chemistry*, **2002**, 75, 292-295	0.8	1
26	Thermal Transformations of Polyethylene Film and Porous Membrane on Its Basis. *Russian Journal of Applied Chemistry*, **2003**, 76, 1134-1138	0.8	1
25	Complexes of amic acids with polar aprotic solvents. *Journal of Thermal Analysis*, **1990**, 36, 559-568		1
24	Some features of DTA in platinum crucibles. *Journal of Thermal Analysis*, **1982**, 25, 597-601		1
23	Production of Composite Fibrous Sorbent Based on Hydrolysis Lignin and Polyacrylonitrile. *Fibre Chemistry*, **2018**, 50, 206-208	0.6	0
22	Optical anisotropy of molecules of pyromellite-dianilic amido acid polyesters. *Polymer Science - Series A*, **2009**, 51, 769-772	1.2	

21	Specific features of processes in carbonization of fibers based on polypyromellitimide. *Russian Journal of Applied Chemistry*, **2010**, 83, 1333-1335	0.8
20	Thermochemical aspects of interaction of polyimide composites with organic sorbents. *Russian Journal of Applied Chemistry*, **2007**, 80, 1379-1383	0.8
19	Thermostable fibres and the carbon-fibre-reinforced plastics made from them. *Fibre Chemistry*, **2007**, 39, 122-130	0.6
18	Structuring of polyacrylonitrile solutions. *Russian Journal of Applied Chemistry*, **2006**, 79, 1378-1380	0.8
17	Relay Stabilization of Polyimides. *Russian Journal of Applied Chemistry*, **2002**, 75, 98-101	0.8
16	Preparation and Structure of Polyimides Derived from H Complexes of Benzophenonetetracarboxylic Acid with Diaminodiphenyl Ether. *Russian Journal of Applied Chemistry*, **2002**, 75, 1999-2004	0.8
15	Thermochemical Reactions of H Complexes. *Russian Journal of Applied Chemistry*, **2003**, 76, 778-780	0.8
14	Thermochemical Analysis of Cyanoethyl Ethers of Cellulose Blended with Polyacrylonitrile. *Russian Journal of Applied Chemistry*, **2005**, 78, 646-648	0.8
13	Influence of Allotropic Forms of Carbon on Formation and Cross-Linking of Heat-Resistant Polymer Binders. *Russian Journal of Applied Chemistry*, **2005**, 78, 1145-1148	0.8
12	Transfer Stabilization of Thermally Stable Polymers. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **1994**, 25, 97-105	3
11	Complexes of amic acids with polar aprotic solvents. *Journal of Thermal Analysis*, **1992**, 38, 1203-1213	
10	Mass-spectrometric analysis of polymers based on furyl alcohol-polyamic acid compositions. *Journal of Thermal Analysis*, **1989**, 35, 947-954	
9	Mass-spectrometric thermal analysis of polymers based on furyl alcohol. *Journal of Thermal Analysis* , **1989**, 35, 1365-1371	
8	Structural examination of two crystal modifications of the 1:2 molecular complex of pyrometalliticdianilic acid and N-methyl-2-pyrrolidone. *Journal of Structural Chemistry*, **1987**, 27, 777-780	0.9
7	Crystal structure of molecular 1:2 complex of pyromellidianilic acid and dimethylformamide. *Journal of Structural Chemistry*, **1987**, 27, 619-622	0.9
6	Complexes of pyromellitic dianil acid with aprotic solvents. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1984**, 33, 1632-1635	
5	Effect of ultraviolet irradiation on the cyclodehydration of polyamic acids. *Journal of Thermal Analysis*, **1982**, 24, 199-205	
4	Investigation of the thermal transformations of acrylonitrile copolymers with methylthiirane in dilute solution in dimethylformamide. *Journal of Thermal Analysis*, **1983**, 27, 307-313	

3	Thermooxidative degradation of polyacrolein. *Journal of Theoretical Biology*, **1976**, 10, 323-329	2.3
2	Thermal and thermooxidative degradation of polyimide fibres. *Fibre Chemistry*, **1977**, 9, 33-37	0.6
1	Influence of Carbon Nanofibers on Cyclization and Carbonization Processes of Polyacrylonitryle. *NATO Science for Peace and Security Series C: Environmental Security*, **2008**, 291-296	0.3