

# Yurii Sazanov

## List of Publications by Year in descending order

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92  
papers

460  
citations

1039880

9  
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940416

16  
g-index

92  
all docs

92  
docs citations

92  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applied Significance of Polyimides. Russian Journal of Applied Chemistry, 2001, 74, 1253-1269.	0.1	61
2	Thermogravimetric study of the effect of the chemical structure of polyimides on their thermal stability. Journal of Theoretical Biology, 1975, 7, 165-171.	0.8	24
3	Thermochemistry of lignin. Russian Journal of Applied Chemistry, 2010, 83, 175-194.	0.1	24
4	Polyacrylonitrile: Carbonization problems. Russian Journal of Applied Chemistry, 2008, 81, 919-932.	0.1	22
5	The role of nitrogen atoms in forming the carbon structure in the carbonization of polymer composites. Fibre Chemistry, 2008, 40, 355-364.	0.0	13
6	Kinetics of the thermal degradation of polyimides. Journal of Theoretical Biology, 1982, 23, 65-71.	0.8	12
7	Complexes of acid amides with polar aprotic solvents. I. Journal of Thermal Analysis, 1982, 24, 75-82.	0.7	12
8	Thermoanalytical investigation of high-temperature transformations of polyimides. Journal of Thermal Analysis, 1988, 34, 1117-1139.	0.7	11
9	Composites of lignin and polyacrylonitrile as carbon precursors. Russian Journal of Applied Chemistry, 2008, 81, 1220-1223.	0.1	11
10	Thermal decomposition of polymethylmethacrylate synthesized with anionic catalysts. Journal of Thermal Analysis, 1974, 6, 53-58.	0.7	9
11	Thermoanalytical investigation of transformation of polyamido acid into polyimide. Journal of Applied Polymer Science, 1975, 19, 2335-2345.	1.3	9
12	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.	0.7	9
13	Complexes of acid amides with polar aprotic solvents. Journal of Thermal Analysis, 1983, 26, 199-204.	0.7	9
14	Thermochemistry of Carbonization of Polypyromellitimide. Journal of Thermal Analysis, 1987, 32, 815-823.	0.7	9
15	Investigation of thermal degradation of polystyrene with the aid of thermal analysis. Journal of Thermal Analysis, 1987, 32, 311-314.	0.7	9
16	Thermal and thermo-oxidative degradation of polystyrene in the presence of bromine-containing flame retardants. Journal of Thermal Analysis, 1988, 33, 1213-1219.	0.7	8
17	Preparation and investigation of polymer-polymer compositions based on polyacrylonitrile and aromatic polyamic acid. Journal of Thermal Analysis, 1990, 36, 2329-2338.	0.7	8
18	Polymeric Materials Derived from Vanillic Acid. Russian Journal of Applied Chemistry, 2002, 75, 777-780.	0.1	8

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19	Properties of Conducting Composite Systems Containing Polypyrrole Layers on Porous Polyethylene Films. Russian Journal of Applied Chemistry, 2005, 78, 1993-2001.	0.1	8
20	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.	0.7	7
21	Complexes of acid amides with polar aprotic solvents. Journal of Thermal Analysis, 1987, 32, 1393-1400.	0.7	7
22	Some aspects of the carbonization of polyimides. Acta Polymerica, 1988, 39, 431-434.	1.3	7
23	Thermal analysis in the investigation of composite polymers. Journal of Thermal Analysis, 1990, 36, 361-376.	0.7	7
24	Role of Structural Characteristics of Aromatic Polyimides in Carbonization. Russian Journal of Applied Chemistry, 2002, 75, 606-610.	0.1	7
25	Cocarbonization of polyacrylonitrile with lignin. Russian Journal of Applied Chemistry, 2007, 80, 619-622.	0.1	7
26	Criteria of polymer carbonization. Russian Journal of Applied Chemistry, 2009, 82, 473-482.	0.1	7
27	Thermochemical transformations of hydrolysis lignin. Russian Journal of Applied Chemistry, 2010, 83, 1607-1614.	0.1	7
28	Effects of some methodological factors on quantitative characteristics of thermal stability of polyimide materials. Journal of Theoretical Biology, 1976, 10, 391-398.	0.8	6
29	Comparative thermal analysis (CTA) of thermally-stable polymers and model compounds. Polyimides and model compounds. Journal of Theoretical Biology, 1980, 18, 65-75.	0.8	6
30	Title is missing!. Acta Polymerica, 1988, 39, 422-424.	1.3	6
31	Investigation of the role of the pyrimidine ring in the main chain of polyamido acids and polyimides. 2. Characteristics of the thermocyclization of polypyromellitimido 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.	0.0	5
32	Cocarbonization of polymers as a new concept for synthesis of carbon composites. Russian Journal of Applied Chemistry, 2006, 79, 433-438.	0.1	5
33	Potential activity of hydrolytic lignin in copolymerization reactions. Russian Journal of Applied Chemistry, 2009, 82, 1592-1599.	0.1	5
34	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.	0.7	4
35	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.	0.7	4
36	Thermal analysis of polyamic acid-furyl alcohol compositions. Journal of Thermal Analysis, 1988, 34, 289-295.	0.7	4

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37	Thermochemistry of Polymers Based on Vanillic Acid. Magyar Árvad Kézlönyek, 1999, 55, 721-726.	1.4	4
38	Structural Features of Carbonization of Copolyimides. Russian Journal of Applied Chemistry, 2002, 75, 1481-1484.	0.1	4
39	Effect of carbon nanostructures on the carbonization of polyacrylonitrile. Russian Journal of Applied Chemistry, 2013, 86, 1410-1416.	0.1	4
40	Solid-phase thermochemical reactions of polyimides. Acta Polymerica, 1988, 39, 516-523.	1.3	3
41	Relationships of Thermal Degradation of Homologous Series of Polyalkylstyrenes and Polyalkylacrylates. International Journal of Polymeric Materials and Polymeric Biomaterials, 1990, 14, 85-90.	1.8	3
42	Mechanism of polycondensation of polyimides. Acta Polymerica, 1991, 42, 119-125.	1.3	3
43	Cocarbonization of Blends of Polyacrylonitrile with Chitin and Chitosan. Russian Journal of Applied Chemistry, 2005, 78, 1320-1324.	0.1	3
44	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.	0.4	3
45	Cyclization and carbonization of anionic polyacrylonitrile in the presence of carbon nanofibers. Russian Journal of Applied Chemistry, 2008, 81, 1010-1014.	0.1	3
46	New benzimidazole-2-yl-substituted polybenzimidazoles: Synthesis, properties, and hydrodynamic characteristics. Polymer Science - Series B, 2009, 51, 102-107.	0.3	3
47	Structural features of carbon products: an NMR study. Russian Journal of Applied Chemistry, 2011, 84, 111-117.	0.1	3
48	Thermochemical structural transformations of polyoxadiazoles. Russian Journal of Applied Chemistry, 2015, 88, 1304-1310.	0.1	3
49	Thermophysical properties of model compounds of the lignin structural unit. Russian Chemical Bulletin, 2016, 65, 2504-2508.	0.4	3
50	Thermal Transformations of Polyoxadiazoles. Russian Journal of Applied Chemistry, 2018, 91, 23-30.	0.1	3
51	Some features of DTA in platinum crucibles. Journal of Thermal Analysis, 1982, 25, 597-601.	0.7	2
52	Thermogravimetric analysis of complexes of compounds serving as models of polyamic acids with amic solvents. Journal of Thermal Analysis, 1983, 28, 317-324.	0.7	2
53	Thermochemical Reactions of Polyacrylonitrile with Fullerene C <sub>60</sub> . Russian Journal of Applied Chemistry, 2003, 76, 452-456.	0.1	2
54	Thermal Transformations of Polyethylene Film and Porous Membrane on Its Basis. Russian Journal of Applied Chemistry, 2003, 76, 1134-1138.	0.1	2

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55	Carbonization of Polyacrylonitrile Composites with Nitrogen-containing Cellulose Derivatives. Russian Journal of Applied Chemistry, 2004, 77, 639-644.	0.1	2
56	Carbonization of some cellulose ethers and their graft copolymers with polyacrylonitrile. Russian Journal of Applied Chemistry, 2004, 77, 1351-1354.	0.1	2
57	Prospects for Using Polyacrylonitrile for Preparing Carbonized Polymeric Composites. Russian Journal of Applied Chemistry, 2005, 78, 794-797.	0.1	2
58	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.	0.1	2
59	Thermomechanical properties of composite films of polyacrylonitrile with chitin and chitosan. Russian Journal of Applied Chemistry, 2006, 79, 1329-1332.	0.1	2
60	Thermochemical reactions of flax lignocarbohydrate complexes and their cyanoethylated derivatives. Russian Journal of Applied Chemistry, 2007, 80, 1894-1897.	0.1	2
61	Mechanism of low-temperature carbonization of polyacrylonitrile. Russian Journal of Applied Chemistry, 2007, 80, 2124-2128.	0.1	2
62	Problems of solubility of hydrolysis lignin. Russian Journal of Applied Chemistry, 2011, 84, 1238-1245.	0.1	2
63	Composite precursor of polyacrylonitrile with hydrolytic lignin. Russian Journal of Applied Chemistry, 2013, 86, 933-938.	0.1	2
64	New ways for fragmentation of hydrolysis lignin. Russian Chemical Bulletin, 2014, 63, 2051-2055.	0.4	2
65	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.	0.1	2
66	Thermooxidative degradation of polyacrolein. Journal of Theoretical Biology, 1976, 10, 323-329.	0.8	1
67	Mass-spectrometric analysis of polymers based on furyl alcohol-polyamic acid compositions. Journal of Thermal Analysis, 1989, 35, 947-954.	0.7	1
68	Complexes of amic acids with polar aprotic solvents. Journal of Thermal Analysis, 1990, 36, 559-568.	0.7	1
69	â€œTransferâ€-Stabilization of Thermally Stable Polymers. International Journal of Polymeric Materials and Polymeric Biomaterials, 1994, 25, 97-105.	1.8	1
70	Effect of Fullerene on Cyclization of Polyamido Acids. Russian Journal of Applied Chemistry, 2002, 75, 292-295.	0.1	1
71	Variation of supramolecular structure of heat-resistant polyimide films during thermal treatment. Russian Journal of Applied Chemistry, 2006, 79, 1312-1315.	0.1	1
72	Cocarbonization of polyacrylonitrile-based composites. Russian Journal of Applied Chemistry, 2009, 82, 2002-2005.	0.1	1

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73	Production of Composite Fibrous Sorbent Based on Hydrolysis Lignin and Polyacrylonitrile. <i>Fibre Chemistry</i> , 2018, 50, 206-208.	0.0	1
74	Thermal and thermooxidative degradation of polyimide fibres. <i>Fibre Chemistry</i> , 1977, 9, 33-37.	0.0	0
75	Effect of ultraviolet irradiation on the cyclodehydration of polyamic acids. <i>Journal of Thermal Analysis</i> , 1982, 24, 199-205.	0.7	0
76	Investigation of the thermal transformations of acrylonitrile copolymers with methylthiirane in dilute solution in dimethylformamide. <i>Journal of Thermal Analysis</i> , 1983, 27, 307-313.	0.7	0
77	Complexes of pyromellitic dianil acid with aprotic solvents. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1984, 33, 1632-1635.	0.0	0
78	Structural examination of two crystal modifications of the 1:2 molecular complex of pyromellitic dianilic acid and N-methyl-2-pyrrolidone. <i>Journal of Structural Chemistry</i> , 1987, 27, 777-780.	0.3	0
79	Crystal structure of molecular 1:2 complex of pyromellitic dianilic acid and dimethylformamide. <i>Journal of Structural Chemistry</i> , 1987, 27, 619-622.	0.3	0
80	Mass-spectrometric thermal analysis of polymers based on furyl alcohol. <i>Journal of Thermal Analysis</i> , 1989, 35, 1365-1371.	0.7	0
81	Complexes of amic acids with polar aprotic solvents. <i>Journal of Thermal Analysis</i> , 1992, 38, 1203-1213.	0.7	0
82	Relay-Stabilization of Polyimides. <i>Russian Journal of Applied Chemistry</i> , 2002, 75, 98-101.	0.1	0
83	Title is missing!. <i>Russian Journal of Applied Chemistry</i> , 2002, 75, 1999-2004.	0.1	0
84	Thermochemical Reactions of H Complexes. <i>Russian Journal of Applied Chemistry</i> , 2003, 76, 778-780.	0.1	0
85	Thermochemical Analysis of Cyanoethyl Ethers of Cellulose Blended with Polyacrylonitrile. <i>Russian Journal of Applied Chemistry</i> , 2005, 78, 646-648.	0.1	0
86	Influence of Allotropic Forms of Carbon on Formation and Cross-Linking of Heat-Resistant Polymer Binders. <i>Russian Journal of Applied Chemistry</i> , 2005, 78, 1145-1148.	0.1	0
87	Structuring of polyacrylonitrile solutions. <i>Russian Journal of Applied Chemistry</i> , 2006, 79, 1378-1380.	0.1	0
88	Thermochemical aspects of interaction of polyimide composites with organic sorbents. <i>Russian Journal of Applied Chemistry</i> , 2007, 80, 1379-1383.	0.1	0
89	Thermostable fibres and the carbon-fibre-reinforced plastics made from them. <i>Fibre Chemistry</i> , 2007, 39, 122-130.	0.0	0
90	Optical anisotropy of molecules of pyromellitic dianilic amido acid polyesters. <i>Polymer Science - Series A</i> , 2009, 51, 769-772.	0.4	0

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91	Specific features of processes in carbonization of fibers based on polypyromellitimide. Russian Journal of Applied Chemistry, 2010, 83, 1333-1335.	0.1	0
92	Influence of Carbon Nanofibers on Cyclization and Carbonization Processes of Polyacrylonitrile. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 291-296.	0.1	0