Iosif Gofman

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.

131 papers	903 citations	14 h-index	21 g-index
142 ext. papers	1,073 ext. citations	1.8 avg, IF	4.03 L-index

#	Paper	IF	Citations
131	Prospects of co-poly(biquinoline-hydrazide-imide)s for separation of benzene-isopropanol mixture via pervaporation. *Journal of Applied Polymer Science*, **2022**, 139, 51646	2.9	1
130	Novel hydroxyl-containing and thermo-dehydrocyclizable polycondensation polymers for multifunctional materials: Synthesis, properties, application. *Journal of Applied Polymer Science*, **2022**, 139, 51978	2.9	
129	Modification of the mechanism of proton conductivity of the perfluorinated membrane copolymer by nanodiamonds. *Russian Chemical Bulletin*, **2021**, 70, 1713-1717	1.7	0
128	Cellulose cryogels prepared by regeneration from phosphoric acid solutions. *Cellulose*, **2021**, 28, 4975-4989	3.9	6
127	Synthesis of Poly(ester-graft-methyl methacrylate) on a Macroinitiator with Lateral Sulfonyl Chloride Groups by Atom Transfer Radical Polymerization. *Polymer Science - Series B*, **2021**, 63, 385-391	0.8	1
126	Aminated Graphene-Graft-Oligo(Glutamic Acid) /Poly(ECaprolactone) Composites: Preparation, Characterization and Biological Evaluation. *Polymers*, **2021**, 13,	4.5	3
125	New copolyhydrazides with anthrazoline fragments in the main chain: synthesis and optical properties. *Luminescence*, **2021**, 36, 1961-1968	2.5	
124	Chitin Cryogels Prepared by Regeneration from Phosphoric Acid Solutions. *Materials*, **2021**, 14,	3.5	1
123	Influence of Nanosized Cerium Oxide on the Thermal Characteristics of Aromatic Polyimide Films. *Polymer Science - Series C*, **2020**, 62, 196-204	1.1	2
122	Novel Polyester Amide Membranes Containing Biquinoline Units and Complex with Cu(I): Synthesis, Characterization, and Approbation for n-Heptane Isolation from Organic Mixtures. *Polymers*, **2020**, 12,	4.5	3
121	Perfluorinated Proton-Conducting Membrane Composites with Functionalized Nanodiamonds. *Membranes and Membrane Technologies*, **2020**, 2, 1-9	1.7	5
120	Dual-phase polyphenylene oxide membranes with copolyimide branched modifiers. *Journal of Applied Polymer Science*, **2020**, 137, 49543	2.9	3
119	Composite Biomaterials Based on Poly(L-Lactic Acid) and Functionalized Cellulose Nanocrystals. *Journal of Renewable Materials*, **2020**, 8, 383-395	2.4	3
118	Influence of Macromolecular Brushes with Polyimide Backbones and Poly(methyl methacrylate) Side Chains on Structure, Physical, and Transport Properties of Polyphthalamide. *Polymer Engineering and Science*, **2020**, 60, 481-490	2.3	2
117	Interplay of polymer matrix and nanosized redox dopant with regard to thermo-oxidative and pyrolytic stability: CeO2 nanoparticles in a milieu of aromatic polyimides. *Materials Today Communications*, **2020**, 22, 100803	2.5	2
116	Bacterial Cellulose () Biocomposites and Their Cytocompatibility. *Materials*, **2020**, 13,	3.5	3
115	The experimental study of tissue integration into porous titanium implants. *HIP International*, **2020**, 1120170002094348	1.7	0

114	Polyimide-Based Nanocomposites with Binary CeO/Nanocarbon Fillers: Conjointly Enhanced Thermal and Mechanical Properties. *Polymers*, **2020**, 12,	4.5	6
113	Composite proton-conducting membranes with nanodiamonds. *Fullerenes Nanotubes and Carbon Nanostructures*, **2020**, 28, 140-146	1.8	5
112	Chemical modification of nanocrystalline cellulose for improved interfacial compatibility with poly(lactic acid). *Mendeleev Communications*, **2019**, 29, 220-222	1.9	12
111	Formation of Highly Conducting Optically Transparent Films with Multigraphene Structure via Carbonization of Polyimide Langmuir–Blodgett Films. *Technical Physics Letters*, **2019**, 45, 471-474	0.7	
110	New Polymers with Phenanthroline Units: Synthesis and Properties. *Polymer Science - Series B*, **2019**, 61, 42-50	0.8	1
109	Unexpected selective enhancement of the thermal stability of aromatic polyimide materials by cerium dioxide nanoparticles. *Polymers for Advanced Technologies*, **2019**, 30, 1518-1524	3.2	6
108	High-strength cellulose-polyacrylamide hydrogels: Mechanical behavior and structure depending on the type of cellulose. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 100, 103385	4.1	10
107	Electrospun Bilayer Chitosan/Hyaluronan Material and Its Compatibility with Mesenchymal Stem Cells. *Materials*, **2019**, 12,	3.5	32
106	Preparation and properties of chitosan–nanodiamond dispersions and composite films. *Diamond and Related Materials*, **2019**, 98, 107483	3.5	3
105	Poly(ε-caprolactone)-based biocomposites reinforced with nanocrystalline cellulose grafted with poly(L-lactic acid). *IOP Conference Series: Materials Science and Engineering*, **2019**, 500, 012021	0.4	5
104	Copolyamides Based on Anthrazoline-Containing Diamines: Synthesis and Properties. *Polymer Science - Series B*, **2019**, 61, 302-308	0.8	2
103	Asymmetric Membranes Based on Copolyheteroarylenes with Imide, Biquinoline, and Oxazinone Units: Formation and Characterization. *Polymers*, **2019**, 11,	4.5	5
102	PGlu-Modified Nanocrystalline Cellulose Improves Mechanical Properties, Biocompatibility, and Mineralization of Polyester-Based Composites. *Materials*, **2019**, 12,	3.5	4
101	[illegible] *Technical Physics Letters*, **2019**, 45, 50	0	
100	Comparison of Supermacroporous Polyester Matrices Fabricated by Thermally Induced Phase Separation and 3D Printing Techniques. *Key Engineering Materials*, **2019**, 822, 277-283	0.4	1
99	Synthesis and photoluminescence properties of co-polyamides with anthrazoline-containing units in the main chain. *Luminescence*, **2018**, 33, 559-566	2.5	4
98	Optical, mechanical, and transport studies of nanodiamonds/poly(phenylene oxide) composites. *Polymer Composites*, **2018**, 39, 3952-3961	3	6
97	Relationship between the Morphology, Nanostructure, and Strength Properties of Aquivion® Type Perfluorinated Proton-Conducting Membranes Prepared by Casting from Solution. *Russian Journal of Applied Chemistry*, **2018**, 91, 101-104	0.8	9

96	BONE AND SOFT TISSUES INTEGRATION IN POROUS TITANIUM IMPLANTS (EXPERIMENTAL RESEARCH). *Travmatologi Ortopedi Rossii*, **2018**, 24, 95-107	0.3	4
95	Novel Polyheteroarylene Membranes for Separation of Methanol-Hexane Mixture by Pervaporation. *Scientific Reports*, **2018**, 8, 17849	4.9	9
94	Hydrolytic Stability of Films of Aromatic Polyimides and Composites on Their Basis, Filled with Carbon Nanocones. *Russian Journal of Applied Chemistry*, **2018**, 91, 1460-1470	0.8	1
93	Impact of Endometallofullerene on P84 Copolyimide Transport and Thermomechanical Properties. *Polymers*, **2018**, 10,	4.5	2
92	Effect of nanosized carbon fillers on the hydrolytic stability of films of a heat-resistant aromatic polyimide. *Russian Journal of Applied Chemistry*, **2017**, 90, 70-76	0.8	2
91	Unusual effect evidenced at the investigations of the mechanical behavior of composite hydrogels under cyclic compression. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 71, 238-243	4.1	8
90	Mechanical response and network characterization of conductive polyaniline/polyacrylamide gels. *Materials Chemistry and Physics*, **2017**, 187, 88-95	4.4	7
89	Formation of crystalline heteroepitaxial SiC films on Si by carbonization of polyimide LangmuirBlodgett films. *Japanese Journal of Applied Physics*, **2017**, 56, 06GH08	1.4	1
88	Composite films based on polyphenylene oxide modified with endofullerenes C60 with encapsulated iron atoms. *Russian Journal of Applied Chemistry*, **2017**, 90, 1549-1557	0.8	5
87	Synthesis and Properties of New 2,6-Poly(phenylquinoline)s and Their Composites with 2,1,3-Benzothiadiazole. *Polymer Science - Series B*, **2017**, 59, 718-729	0.8	1
86	Heteroepitaxial growth of SiC films by carbonization of polyimide Langmuir-Blodgett films on Si. *MATEC Web of Conferences*, **2017**, 98, 04002	0.3	
85	Composite hydrogels based on polyacrylamide and cellulose: Synthesis and functional properties. *Russian Journal of Applied Chemistry*, **2016**, 89, 772-779	0.8	8
84	Correlation between the High-Temperature Local Mobility of Heterocyclic Polyimides and Their Mechanical Properties. *Macromolecules*, **2016**, 49, 6700-6710	5.5	23
83	New composite materials based on polyvinylpyrrolidone and poly(diphenyl oxide amido-N-phenylphthalimide). *Polymer Science - Series A*, **2016**, 58, 419-428	1.2	4
82	Initial stage of stress relaxation in oriented polymers. *Physics of the Solid State*, **2016**, 58, 840-846	0.8	16
81	Highly heat-resistant poly(hydroxy amide) binders of polyfunctional composites for microelectronics. *Russian Journal of Applied Chemistry*, **2016**, 89, 1647-1654	0.8	6
80	Effect of nanoparticles of various types as fillers on mechanical properties of block samples of a heat-resistant polyimide material: A comparative analysis. *Polymer Science - Series A*, **2016**, 58, 87-94	1.2	7
79	Iridium metalpolymer complexes based on bipyridyl ligands. *Polymer Science - Series B*, **2016**, 58, 703-711	0.8	4

78	Properties of composite films of methylcellulose with arabinogalactan. *Polymer Science - Series A*, **2015**, 57, 430-436	1.2	3
77	Parameterization of electrostatic interactions for molecular dynamics simulations of heterocyclic polymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 912-923	2.6	26
76	Peculiarities of the initial stages of carbonization processes in polyimide-based nanocomposite films containing carbon nanoparticles. *Cogent Chemistry*, **2015**, 1, 1076712	2.5	3
75	Comparative Evaluation of Different Methods of Carboxylation of Carbon Nanotubes as a Modifier of Mechanical Properties of Heat-Resistant Polyimide Based Nanocomposites. *Fibre Chemistry*, **2015**, 47, 236-243	0.6	2
74	Properties of CarboxymethylcelluloseArabinogalactan Composite Films. *Fibre Chemistry*, **2015**, 47, 183-186	0.6	1
73	Thermal properties of bulk polyimides: insights from computer modeling versus experiment. *Soft Matter*, **2014**, 10, 1224-32	3.6	54
72	Properties of solutions of methyl cellulose blends with poly(N-methyl-N-vinylacetamide) in water and dimethylacetamide and of the related composite films. *Polymer Science - Series A*, **2014**, 56, 158-168	1.2	5
71	Chitosan-dextran branched copolymers: Synthesis and properties. *Polymer Science - Series B*, **2014**, 56, 341-351	0.8	4
70	Polymers with cyanine chromophore groups in the main chain: Synthesis and properties. *Polymer Science - Series B*, **2014**, 56, 352-359	0.8	5
69	Properties of solutions and films of blends of water-soluble cellulose ethers with Zosterin. *Russian Journal of Applied Chemistry*, **2014**, 87, 942-949	0.8	1
68	Composites of multiblock (segmented) aliphatic poly(ester imide) with zirconia nanoparticles: Synthesis, mechanical properties, and pervaporation behavior. *Polymer Science - Series B*, **2014**, 56, 919-926	0.8	11
67	AFM analysis of the surface morphology, structure, and mechanical properties of methylcellulose mixtures with colloidal silver dispersions. *Journal of Surface Investigation*, **2014**, 8, 877-886	0.5	5
66	Adhesion, growth, and proliferation of endothelial cells on biopolymer extracellular film matrices. *Bulletin of Experimental Biology and Medicine*, **2014**, 158, 153-8	0.8	5
65	Energy of the elastic loading of anharmonic solids. *Physics of the Solid State*, **2013**, 55, 668-674	0.8	7
64	High-strength biocompatible hydrogels based on poly(acrylamide) and cellulose: Synthesis, mechanical properties and perspectives for use as artificial cartilage. *Polymer Science - Series A*, **2013**, 55, 302-312	1.2	24
63	Effect of single-walled carbon nanotubes and carbon nanofibers on the structure and mechanical properties of thermoplastic polyimide matrix films. *Polymer Science - Series A*, **2013**, 55, 268-278	1.2	22
62	Dynamic mechanical analysis of multiblock (segmental) polyesterimides. *Russian Journal of Applied Chemistry*, **2013**, 86, 920-927	0.8	3
61	Properties of solutions and films of blends of ethyl cellulose with polyvinylpyrrolidone and Poviargol. *Russian Journal of Applied Chemistry*, **2013**, 86, 558-563	0.8	5

60	Nanocomposites based on polyamidoimide and octahedral silsesquioxanes. *Russian Journal of Applied Chemistry*, **2013**, 86, 415-422	0.8	4
59	Supramolecular structure formation of Langmuir-Blodgett films of comblike precursor and polyimide. *Crystallography Reports*, **2013**, 58, 295-301	0.6	2
58	Influence of the Degree of Crystallinity on the Mechanical and Tribological Properties of High-Performance Thermoplastics Over a Wide Range of Temperatures: From Room Temperature up to 250°C. *Journal of Macromolecular Science - Physics*, **2013**, 52, 1848-1860	1.4	12
57	Specific features of creep and tribological behavior of polyimide-carbon nanotubes nanocomposite films: effect of the nanotubes functionalization. *Journal of Polymer Research*, **2013**, 20, 1	2.7	16
56	Morphology evolution induced by carbon nanotubes on thermal and mechanical characters of semi-crystalline aromatic polyimide. *Polymer Bulletin*, **2013**, 70, 3129-3142	2.4	1
55	Effect of carbon nanoparticles of different shapes on mechanical properties of aromatic polyimide-based composite films. *Polymer Science - Series A*, **2013**, 55, 313-319	1.2	9
54	Synthesis and Characterization of Polybenzoxazinone and its Prepolymer Using Gas Separation. *Macromolecular Chemistry and Physics*, **2013**, 214, 2867-2874	2.6	13
53	Specific features of chitosan-montmorillonite interaction in an aqueous acid solution and properties of related composite films. *Polymer Science - Series A*, **2012**, 54, 224-230	1.2	14
52	Macromolecular ligands carrying side bipyridyl-containing groups and their metal-polymer complexes with iridium. *Russian Journal of Applied Chemistry*, **2012**, 85, 1703-1710	0.8	2
51	Aromatic Polyimide/MWCNT Hybrid Nanocomposites: Structure, Dynamics, and Properties. *Journal of Macromolecular Science - Physics*, **2012**, 51, 1794-1814	1.4	6
50	Properties of aqueous solutions of hydroxyethyl cellulose-poly(N-vinylformamide) blends and of the related composite films. *Polymer Science - Series A*, **2012**, 54, 730-737	1.2	10
49	Synthesis and properties of iridium polymer complexes based on novel bipyridyl ligands. *Russian Chemical Bulletin*, **2012**, 61, 966-972	1.7	5
48	New approach to the formation of polyimide ultrafiltration membranes involving modified polyacrylonitrile. *Petroleum Chemistry*, **2012**, 52, 527-532	1.1	6
47	Carbon nanocones/discs – a new type of filler to improve the thermal and mechanical properties of polymer films. *Polymers for Advanced Technologies*, **2012**, 23, 408-413	3.2	9
46	Friction and wear of powder coatings of epoxy composites with alumosilicate nanoparticles. *Journal of Friction and Wear*, **2012**, 33, 101-107	0.9	9
45	Pore sealing of SiOCH ultra low-k dielectrics with polyimide Langmuir-Blodgett film. *Materials Research Society Symposia Proceedings*, **2012**, 1428, 32		1
44	Polymeric composite systems modified with allotropic forms of carbon (review). *Russian Journal of Applied Chemistry*, **2011**, 84, 735-750	0.8	16
43	Properties of cellulose solutions in methylmorpholine N-oxide containing montmorillonite nanoparticles and of composite films thereof. *Russian Journal of Applied Chemistry*, **2011**, 84, 1261-1265	0.8	4

42	Properties of mixed aqueous solutions of methyl cellulose with polyethylene oxide and of composite films prepared from them. *Russian Journal of Applied Chemistry*, **2011**, 84, 1575-1581	0.8	4
41	Structure and properties of porous film materials based on an aliphatic copolyamide. *Russian Journal of Applied Chemistry*, **2011**, 84, 1795-1799	0.8	2
40	Structure and characteristics of film composites based on methyl cellulose, poviargol, and montmorillonite. *Polymer Science - Series A*, **2011**, 53, 166-171	1.2	7
39	Characteristics of composite films based on methyl cellulose and poly(N-vinylformamide) prepared from solutions in water and dimethyl sulfoxide. *Polymer Science - Series A*, **2011**, 53, 409-417	1.2	13
38	New polyamides with main-chain cyanine chromophores. *Polymer Science - Series A*, **2011**, 53, 457-468	1.2	14
37	Film Composites of polyimide with polyaniline and poly(aniline-co-anthranilic acid). *Polymer Science - Series A*, **2011**, 53, 800-810	1.2	1
36	Properties of carboxymethyl cellulose aqueous solutions with nanoparticle additives and the related composite films. *Polymer Science - Series A*, **2011**, 53, 1167-1174	1.2	9
35	Mechanical and thermal properties of nanocomposite films based on an aromatic polyimide and carbon nanocones. *Physics of the Solid State*, **2011**, 53, 1509-1515	0.8	9
34	Mechanical characteristics of films based on comb-shaped poly(amidoimides) with different contents of side chromophoric groups. *Polymer Science - Series A*, **2010**, 52, 255-260	1.2	3
33	Aliphatic polyurethane-silica nanocomposites prepared by the parallel synthesis: Morphology and mechanical characteristics. *Physics of the Solid State*, **2010**, 52, 612-619	0.8	1
32	Properties of solutions and films of blends of water-soluble cellulose ethers with poviargol. *Russian Journal of Applied Chemistry*, **2010**, 83, 102-108	0.8	6
31	Properties of aqueous solutions containing blends of poly-N-vinylformamide with carboxymethyl cellulose of various degrees of ionization and of composite films of these polymers. *Russian Journal of Applied Chemistry*, **2010**, 83, 1622-1627	0.8	6
30	Films of polyamides with phenylpyridine units in the backbone. *Russian Journal of Applied Chemistry* , **2010**, 83, 1862-1867	0.8	3
29	Anisotropic swelling and mechanical behavior of composite bacterial cellulose-poly(acrylamide or acrylamide-sodium acrylate) hydrogels. *Journal of the Mechanical Behavior of Biomedical Materials*, **2010**, 3, 102-11	4.1	81
28	New silicone hydrogels based on interpenetrating polymer networks comprising polysiloxane and poly(vinyl alcohol) networks. *Polymers for Advanced Technologies*, **2009**, 20, 367-377	3.2	15
27	Orientated crystallization in drawn thermoplastic polyimide modified by carbon nanofibers. *Polymer Engineering and Science*, **2009**, 49, 217-222	2.3	13
26	Aromatic polysulfone imides and membranes based on them. *Russian Journal of Applied Chemistry*, **2009**, 82, 1033-1040	0.8	7
25	Conducting film-forming composites based on polyaniline-polyimide blends. *Polymer Science - Series A*, **2009**, 51, 311-316	1.2	7

24	Polyimide Ultrafiltration Membranes with High Thermal Stability and Chemical Durability. *Separation Science and Technology*, **2009**, 44, 3814-3831	2.5	17
23	Chemical and structural transformations in chitosan films in the course of storage. *Russian Journal of Applied Chemistry*, **2008**, 81, 1992-1996	0.8	8
22	The effect of different orientations in rigid rod polyimide films on the graphitized products. *Carbon* , **2007**, 45, 839-846	10.4	21
21	Synthesis and properties of glycidyl methacrylate copolymers with side chromophore groups. *Polymer Science - Series A*, **2007**, 49, 773-781	1.2	1
20	The effect of planar molecular orientation on the mechanical properties of rigid-chain polymide films. *Polymer Science - Series A*, **2007**, 49, 1114-1119	1.2	4
19	Modification of films of heat-resistant polyimides by adding hydrosilicate and carbon nanoparticles of various geometries. *Russian Journal of General Chemistry*, **2007**, 77, 1158-1163	0.7	16
18	Properties of the methyl cellulose-polyvinylpyrrolidone binary system in solution and in the solid state. *Russian Journal of Applied Chemistry*, **2007**, 80, 771-776	0.8	8
17	Nanocomposite based on polyamidoimide with hydrosilicate nanoparticles of varied morphology. *Russian Journal of Applied Chemistry*, **2007**, 80, 2142-2148	0.8	10
16	Heat-resistant foamed organoplastics based on a combination of polyimide felt, polyimide binders, and montmorillonite nanoparticles. *Russian Journal of Applied Chemistry*, **2006**, 79, 439-444	0.8	2
15	Influence of zone stretching on the properties of semicrystalline thermoplastic polyimide. *Russian Journal of Applied Chemistry*, **2006**, 79, 1884-1889	0.8	1
14	Light-sensitive chalcone-containing poly(amido imides). *Polymer Science - Series A*, **2006**, 48, 569-577	1.2	4
13	Thermostable foam organoplastics made from polyimide binders and polyimide felt. *Fibre Chemistry*, **2006**, 38, 428-433	0.6	
12	Polyimide membranes formed on a metal grid matrix by the Langmuir-Blodgett method. *Technical Physics Letters*, **2005**, 31, 341	0.7	3
11	Polyamidoimides with side chromophoric groups. *Russian Chemical Bulletin*, **2005**, 54, 1481-1487	1.7	5
10	Correlation between characteristics of thermal and stress reversible deformations in solids with different structures. *Physics of the Solid State*, **2004**, 46, 1149-1157	0.8	1
9	THE CONFORMATIONAL MECHANISM OF THERMOELASTICITY OF ORIENTED POLYETHYLENE. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2004**, 53, 173-184	3	1
8	Photosensitivity of new photoconductive polymers based on ruthenium-biquinolyl complexes. *Semiconductors*, **2003**, 37, 818-820	0.7	
7	Optical and photosensitive properties of comb-shaped polyamide-imides. *Semiconductors*, **2003**, 37, 821-824	0.7	5

6	Microporous Polyimide Films Based on Blends of Polyamido Acid and Cellulose Derivatives. *Russian Journal of Applied Chemistry*, **2002**, 75, 805-810	0.8	
5	Negative longitudinal expansion and the amplitude of longitudinal vibrations in poly(ethylene) crystals. *Physics of the Solid State*, **2002**, 44, 964-971	0.8	3
4	Mechanisms of reversible thermal deformation of oriented polymers. *Physics of the Solid State*, **2001**, 43, 1382-1388	0.8	4
3	On changes in mechanical properties of polyamic acid during solid phase chemical imidization. *Polymer Science USSR*, **1985**, 27, 905-911		2
2	Orientational uniaxial stretching of proton conducting perfluorinated membranes. *Journal of Applied Polymer Science*,52229	2.9	
1	New Macromolecular Ligands with Main-Chain Pyridylquinoline Units and Their Metal-Polymer Complexes with Europium. *Polymer Science - Series B*,1	0.8	