

Sergey Ivanchev

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.

107
papers

884
citations

16
h-index

24
g-index

114
ext. papers

949
ext. citations

1.6
avg, IF

3.79
L-index

#	Paper	IF	Citations
107	Perfluorinated Proton-Conducting Membrane Composites with Functionalized Nanodiamonds. <i>Membranes and Membrane Technologies</i> , 2020 , 2, 1-9	1.7	5
106	Pattern of Monoclinic Phase Distribution in Nascent UHMWPE Particles. <i>Physics of the Solid State</i> , 2020 , 62, 1493-1499	0.8	1
105	Composite proton-conducting membranes with nanodiamonds. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020 , 28, 140-146	1.8	5
104	Morphology, Nanostructure, and Processability of Reactor Powders of Ultrahigh-Molecular-Weight Polyethylene Produced on Self-Immobilizing Catalytic Systems. <i>Doklady Chemistry</i> , 2018 , 478, 16-19	0.8	1
103	Relationship between the Morphology, Nanostructure, and Strength Properties of Aquivion [®] Type Perfluorinated Proton-Conducting Membranes Prepared by Casting from Solution. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 101-104	0.8	9
102	Origination and Transformation of the Monoclinic and Orthorhombic Phases in Reactor Powders of Ultrahigh Molecular Weight Polyethylene. <i>Physics of the Solid State</i> , 2018 , 60, 1897-1902	0.8	6
101	The synthesis and study of the physicochemical and catalytic properties of composites with the sulfated perfluoropolymer/carbon nanofiber composition. <i>Kinetics and Catalysis</i> , 2017 , 58, 655-662	1.5	2
100	Optimization of the conditions of ethylene polymerization into reactor powders of ultra-high-molecular-weight polyethylene suitable for solid-phase formation into oriented ultra-high-strength and ultra-high-modulus film yarns. <i>Doklady Physical Chemistry</i> , 2016 , 468, 89-92	0.8	7
99	Structure and property optimization of perfluorinated short side chain membranes for hydrogen fuel cells using orientational stretching. <i>RSC Advances</i> , 2016 , 6, 108864-108875	3.7	10
98	Structure characterization of perfluorosulfonic short side chain polymer membranes. <i>RSC Advances</i> , 2015 , 5, 73820-73826	3.7	12
97	Performance of the hydrogen/air fuel cell with a Russian analogue of the Aquivion solid polymer electrolyte. <i>Doklady Physical Chemistry</i> , 2015 , 464, 227-230	0.8	3
96	Design of postmetallocene catalytic systems of arylimine type for olefin polymerization: XVI. Synthesis of (N-aryl)salicylaldimines containing pent-4-enyloxy group and their complexes with titanium(IV) dichloride. <i>Russian Journal of Organic Chemistry</i> , 2014 , 50, 191-199	0.7	4
95	Thermodynamic properties of water in perfluorinated membranes of Nafion and Aquivion types, prepared by emulsion polymerization. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 1314-1318	0.8	5
94	Polymer hydrogels with the memory effect for immobilization of drugs. <i>Polymer Science - Series B</i> , 2014 , 56, 863-870	0.8	1
93	Design of postmetallocene catalytic systems of arylimine type for olefin polymerization: XVII. Synthesis of methoxy-substituted (p-aryl)salicylaldimines containing 3-pentenyl group, and their complexes with titanium(IV) dichloride. <i>Russian Journal of Organic Chemistry</i> , 2014 , 50, 1565-1572	0.7	2
92	Polymeric hydrogels with memory effect for immobilization of binary drug combinations. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 1587-1593	0.8	1
91	Design of postmetallocene catalytic systems of arylimine type for olefin polymerization: XV. Synthesis of (N-Aryl)salicylaldimine ligands containing a but-3-enyloxy group and their complexes with titanium(IV) dichloride. <i>Russian Journal of Organic Chemistry</i> , 2013 , 49, 1150-1156	0.7	5

90	Ethylene polymerization using catalysts based on binuclear phenoxyimine titanium halide complexes. <i>European Polymer Journal</i> , 2012 , 48, 191-199	5.2	9
89	Investigation of polymer hydrogels with memory effect for cefazolin immobilization by small-angle neutron scattering. <i>Journal of Surface Investigation</i> , 2012 , 6, 825-832	0.5	2
88	Multicentered self-immobilized ethylene polymerization catalysts based on functionalized titanium halide salicylaldiminate complexes for the synthesis of ultra-high-molecular-weight polyethylene. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1404-1412	0.8	6
87	Design of postmetallocene catalytic systems of arylimine type for olefin polymerization: XIV. Synthesis of (N-Allyloxyaryl)salicylaldimine ligands and their complexes with titanium(IV) dichloride. <i>Russian Journal of Organic Chemistry</i> , 2012 , 48, 1071-1080	0.7	7
86	Self-immobilized catalysts for ethylene polymerization based on various phenoxyimine titanium halide complexes. <i>Russian Chemical Bulletin</i> , 2012 , 61, 836-842	1.7	8
85	Properties of oriented film tapes prepared via solid-state processing of a nascent ultrahigh-molecular-weight polyethylene reactor powder synthesized with a postmetallocene catalyst. <i>Polymer Science - Series A</i> , 2012 , 54, 950-954	1.2	24
84	Scientific principles of a new process for manufacturing perfluorinated polymer electrolytes for fuel cells. <i>Petroleum Chemistry</i> , 2012 , 52, 453-461	1.1	13
83	Effect of preparation conditions on nanostructural features of the NAFION [®] type perfluorinated proton conducting membranes. <i>Petroleum Chemistry</i> , 2012 , 52, 565-570	1.1	7
82	Polymer Membranes for Fuel Cells: Achievements and Problems. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011 , 245-267	0.3	1
81	Copolymerization of tetrafluoroethylene with perfluoro(3,6-dioxo-4-methyl-7-octene)sulfonyl fluoride in a water-emulsion medium. <i>Doklady Chemistry</i> , 2011 , 437, 66-68	0.8	5
80	Specific features of ethylene polymerization on self-immobilizing catalytic systems based on titanium bis(phenoxy imine) complexes. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 118-123	0.8	7
79	Polymer hydrogels with the memory effect for immobilization of drugs. <i>Polymer Science - Series A</i> , 2011 , 53, 323-335	1.2	6
78	Bioligand carriers based on methyl methacrylate copolymers with N-vinylformamide or glycidyl methacrylate. <i>Colloid Journal</i> , 2011 , 73, 76-82	1.1	7
77	Small-angle neutron scattering from polymer hydrogels with memory effect for medicine immobilization. <i>Crystallography Reports</i> , 2011 , 56, 1114-1117	0.6	2
76	Polymer membranes for fuel cells: manufacture, structure, modification, properties. <i>Russian Chemical Reviews</i> , 2010 , 79, 101-117	6.8	53
75	Design of postmetallocene catalytic systems of aryliminetype for olefins polymerization: XIII. Synthesis of tetradentate bis(2-hydroxy-1-naphthaldimine) ligands and their complexes with titanium(IV) dichloride. <i>Russian Journal of Organic Chemistry</i> , 2010 , 46, 746-752	0.7	4
74	Convenient synthesis of 3,5-disubstituted N-Salicylidene-4-allyloxyanilines. <i>Russian Journal of Organic Chemistry</i> , 2010 , 46, 1888-1890	0.7	0
73	Polymerization of ethylene in the presence of bis(phenoxyimine) complexes of titanium chloride that contain various substituents in a phenoxy group. <i>Polymer Science - Series B</i> , 2010 , 52, 443-449	0.8	1

72	Design of Schiff base-like postmetallocene catalytic systems for polymerization of olefins: IX. Synthesis of salicylaldehydes containing an isobornyl substituent and hydroxyphenyl imine ligands based thereon 2010 , 44, 107		
71	Design of schiff base-like postmetallocene catalytic systems for polymerization of olefins: VIII. Synthesis of N-(o-cycloalkylphenyl) 2-hydroxynaphthalene-1-carbaldehyde imines 2010 , 44, 103		
70	New silicone hydrogels based on interpenetrating polymer networks comprising polysiloxane and poly(vinyl alcohol) networks. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 367-377	3.2	15
69	Catalytic activity of new binuclear titanium chloride bis(phenoxyimine) complexes in ethylene polymerization. <i>Doklady Physical Chemistry</i> , 2009 , 424, 17-20	0.8	3
68	Design of Schiff base-like postmetallocene catalytic systems for polymerization of olefins: X. Synthesis of phenoxy imino ligands with bulky substituents. <i>Russian Journal of Organic Chemistry</i> , 2009 , 45, 30-36	0.7	1
67	Design of postmetallocene Schiff base-like catalytic systems for polymerization of olefins: XI. Synthesis of Schiff bases containing cycloalkyl substituents from 2-acetyl-6-bromopyridine. <i>Russian Journal of Organic Chemistry</i> , 2009 , 45, 44-47	0.7	4
66	Design of postmetallocene Schiff base-like catalytic systems for polymerization of olefins: XII. Synthesis of tetradentate bis-salicylaldehyde imine ligands. <i>Russian Journal of Organic Chemistry</i> , 2009 , 45, 528-535	0.7	3
65	Polymerization of ethylene with self-immobilizing bis(phenoxyimine) catalytic systems. <i>Polymer Science - Series B</i> , 2009 , 51, 276-282	0.8	7
64	Composite polymer hydrogels. <i>Polymer Science - Series A</i> , 2009 , 51, 743-760	1.2	20
63	Monodisperse Particles Based on Copolymers of Methyl methacrylate or Styrene with N-Vinylformamide. <i>Macromolecular Symposia</i> , 2009 , 281, 61-68	0.8	8
62	Fluorinated proton-conduction nafion-type membranes, the past and the future. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 569-584	0.8	27
61	Proton-conducting membranes based on multicomponent copolymers. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 1213-1219	0.8	
60	Design of schiff base-like postmetallocene catalytic systems for polymerization of olefins: VIII. Synthesis of N-(o-cycloalkylphenyl) 2-hydroxynaphthalene-1-carbaldehyde imines. <i>Russian Journal of Organic Chemistry</i> , 2008 , 44, 103-106	0.7	4
59	Design of Schiff base-like postmetallocene catalytic systems for polymerization of olefins: IX. Synthesis of salicylaldehydes containing an isobornyl substituent and hydroxyphenyl imine ligands based thereon. <i>Russian Journal of Organic Chemistry</i> , 2008 , 44, 107-113	0.7	3
58	Preparative microwave-assisted synthesis of N-salicylidene-4-triphenylmethylanilines. <i>Russian Journal of Organic Chemistry</i> , 2008 , 44, 927-928	0.7	2
57	Membranes and nanotechnologies. <i>Nanotechnologies in Russia</i> , 2008 , 3, 656-687	0.6	57
56	Features of self-immobilization of titanium phenoxyimine complexes in ethylene polymerization. <i>Doklady Physical Chemistry</i> , 2007 , 417, 301-303	0.8	7
55	Ethylene polymerization on titanium phenoxyimine complexes with different structures. <i>Kinetics and Catalysis</i> , 2007 , 48, 829-834	1.5	7

54	Surface modification of polystyrene microspheres with synthetic antigenic determinants of human immunodeficiency virus. <i>Polymer Science - Series A</i> , 2007 , 49, 564-570	1.2	
53	Styrene-acrylate copolymer plastisols with stable colloidal properties. <i>Polymer Science - Series A</i> , 2007 , 49, 1086-1092	1.2	
52	Instability of hollow polymeric microspheres upon swelling. <i>Doklady Physics</i> , 2007 , 52, 37-40	0.8	2
51	Some capabilities of neutron methods for investigating materials and components of devices used in hydrogen power engineering. <i>Crystallography Reports</i> , 2007 , 52, 512-520	0.6	2
50	Magnetic polymer particles: Synthesis and properties. <i>Russian Journal of General Chemistry</i> , 2007 , 77, 354-362	0.7	4
49	Organic-inorganic cross-linked structures prepared from reactive n-butyl methacrylate-3-(trimethoxysilyl)propyl methacrylate copolymers. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 93-101	0.8	1
48	Catalytic activity of systems based on titanium bis(phenoxy imine) complexes: Effect of the ligand structure. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 1515-1522	0.8	5
47	Preparative procedure for the synthesis of 4-allyloxy pyridine-2,6-dicarboxylic acid. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 156-157	0.7	0
46	Design of schiff base-like postmetallocene catalytic systems for polymerization of olefins: IV. Synthesis of 2-(aryliminomethyl)-pyrrole and 7-(aryliminomethyl)indole derivatives containing cycloalkyl substituents. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 571-575	0.7	1
45	Design of Schiff base-like postmetallocene catalytic systems for polymerization of olefins: V. Synthesis of salicylaldehyde imine ligands containing cycloalkyl substituents. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 1671-1676	0.7	3
44	Synthesis of salicylaldehydes bearing bulky substituents in the positions 3 and 5. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1125-1129	1.7	16
43	Synthesis of diimine ligands with cycloalkyl substituents based on 4,6-dibenzofuran-and 4,6-dibenzothiophenedicarboxaldehydes. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1174-1177	1.7	0
42	Mathematical modeling and experimental study of high-pressure ethylene polymerization reactors. <i>Chemical Engineering Journal</i> , 2007 , 134, 175-179	14.7	3
41	Transesterification of melamine-formaldehyde resin methyl ethers and competing reaction of self-condensation. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 2977-2985	2.9	7
40	A new polymeric silicone hydrogel for medical applications: synthesis and properties. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 872-877	3.2	43
39	Quantum-chemical study of the structure and catalytic activity of titanium and zirconium bis(phenoxyimine) complexes. <i>Doklady Physical Chemistry</i> , 2006 , 410, 269-271	0.8	3
38	Polymer hydrogels based on 2-hydroxyethyl methacrylate: Modification, sorption, and desorption of aminoglycosides. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 584-589	0.8	4
37	Bifunctional monodisperse microspheres of copolymers of methyl methacrylate and N-vinylformamide. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1660-1665	0.8	4

36	Polymerization of ethylene by SiO ₂ -supported two-component catalytic systems containing bis(imino)pyridine and bis(imine) ligands. <i>Polymer Science - Series A</i> , 2006 , 48, 251-256	1.2	2
35	Nanostructures in polymer systems. <i>Polymer Science - Series B</i> , 2006 , 48, 213-225	0.8	31
34	Submicron Sized Hollow Polymer Particles: Preparation and Properties. <i>Macromolecular Symposia</i> , 2005 , 226, 213-226	0.8	7
33	Monodisperse carboxylated polystyrene particles: synthesis, electrokinetic and adsorptive properties. <i>Polymer</i> , 2005 , 46, 1417-1425	3.9	32
32	Possibilities for optimization of technological modes for ethylene polymerization in autoclave and tubular reactors. <i>Chemical Engineering Journal</i> , 2005 , 107, 221-226	14.7	6
31	Structure and Catalytic Activity of Titanium and Zirconium Phenoxyimine Complexes. <i>Doklady Physical Chemistry</i> , 2005 , 404, 165-168	0.8	11
30	New Multifunctional Bis(imino)pyridine-Iron Chloride Complexes and Ethylene Polymerization Catalysts on Their Basis. <i>Doklady Physical Chemistry</i> , 2005 , 404, 182-185	0.8	11
29	Optimization of Polymerization in Autoclave and Tubular Reactors. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 113-119	0.8	
28	Synthesis of Monodisperse Polystyrene Particles in the Presence of Sodium Dodecyl Sulfate and Carboxyl-containing Initiator. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 1008-1012	0.8	5
27	New Possibilities for Controlling the Morphology of Core-Shell Latex Particles During Emulsion Polymerization. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 1987-1992	0.8	2
26	Design of Schiff Base-Like Postmetallocene Catalytic Systems for Polymerization of Olefins: III. Synthesis of 1,2-Bis(arylimino)acenaphthenes Having Cyclic Substituents. <i>Russian Journal of Organic Chemistry</i> , 2005 , 41, 1329-1332	0.7	4
25	Living Polymerization of Ethylene on the Bis[N-(3-tert-butylsalicylidene)anilinato]titanium Dichloride-Methylalumoxane Catalyst System. <i>Doklady Physical Chemistry</i> , 2004 , 394, 46-49	0.8	8
24	New Bis(arylimino)pyridyl Complexes as Components of Catalysts for Ethylene Polymerization. <i>Kinetics and Catalysis</i> , 2004 , 45, 176-182	1.5	21
23	Binding of protein to polystyrene particles in the presence of polyvinylpyrrolidone in the surface layer. <i>Russian Journal of Applied Chemistry</i> , 2004 , 77, 2011-2016	0.8	3
22	Design of arylimine postmetallocene catalytic systems for olefin polymerization: I. Synthesis of substituted 2-cycloalkyl- and 2,6-dicycloalkylanilines. <i>Russian Journal of General Chemistry</i> , 2004 , 74, 1423-1427 ²⁷	0.7	27
21	Design of Schiff base-like postmetallocene catalytic systems for polymerization of olefins: II. Synthesis of 2,6-bis(aryliminoalkyl)pyridines with cycloalkyl substituents. <i>Russian Journal of General Chemistry</i> , 2004 , 74, 1575-1578	0.7	13
20	Preparation of cationic latices comprising hollow thermostable particles. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 2225-2234	2.5	2
19	Quantum-chemical calculations of the effect of cycloaliphatic groups in β -diimine and bis(imino)pyridine ethylene polymerization precatalysts on their stabilities with respect to deactivation reactions. <i>Polymer</i> , 2004 , 45, 6453-6459	3.9	25

18	The Reaction Mechanism of the Transesterification and Crosslinking of Melamine Resins. <i>Macromolecular Symposia</i> , 2004 , 217, 431-443	0.8	16
17	Quantum-Chemical Calculation of the Thermal Stability of Bis(imine) and Bis(imino)pyridine Catalysts of Ethylene Polymerization. <i>Doklady Physical Chemistry</i> , 2003 , 393, 334-336	0.8	4
16	Compound Latexes for Antistatic Coatings. <i>Russian Journal of Applied Chemistry</i> , 2002 , 75, 1705-1708	0.8	
15	Synthesis of Monodisperse Polymethyl Methacrylate Particles in Buffer Solutions under the Action of Carboxyl-Containing Initiator. <i>Russian Journal of Applied Chemistry</i> , 2002 , 75, 1993-1998	0.8	
14	Hollow-particle latexes: Preparation and properties. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1435-1449	0.8	60
13	Monodisperse Microspheres Based on Acrolein Copolymers. <i>Russian Journal of Applied Chemistry</i> , 2001 , 74, 1728-1734	0.8	1
12	Synthesis of Polymethyl Methacrylate Microspheres in the Presence of Dextran and Its Derivatives. <i>Russian Journal of Applied Chemistry</i> , 2001 , 74, 489-493	0.8	7
11	Water-Resistant Films and Coatings Based on Cross-Linking Styrene-Acrylate Latex Copolymers. <i>Russian Journal of Applied Chemistry</i> , 2001 , 74, 309-315	0.8	6
10	Segregation of Polymers in the Course of Film Formation from a Mixture of Latexes. <i>Russian Journal of Applied Chemistry</i> , 2001 , 74, 1173-1177	0.8	
9	Some peculiar features of radiation grafting of monomers of various structures and reactivities onto polyolefins. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 711-718	2.9	5
8	Polymer-organic selective adsorbents for gas chromatography produced by graft polymerization. <i>Journal of Chromatography A</i> , 1990 , 520, 21-31	4.5	9
7	Elementary reactions of the emulsions polymerization of styrene with the localization of radical formation acts at the interface. <i>Journal of Polymer Science Part A</i> , 1987 , 25, 47-62	2.5	18
6	Investigation by pyrolysis-gas chromatography of the composition of multicomponent polymeric microheterogeneous systems based on some vinyl monomers. <i>Journal of Chromatography A</i> , 1987 , 404, 183-193	4.5	1
5	Nuclear quadrupole resonance spectroscopic studies of the structure of unsupported titanium-magnesium catalyst for olefin polymerization. <i>Reaction Kinetics and Catalysis Letters</i> , 1982 , 21, 269-271		4
4	Promotion by supports of the reactivity of propagating species of Ziegler supported catalytic systems for the polymerization and copolymerization of olefins. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1980 , 18, 2045-2050		16
3	Kinetic features of cationic oligomerization of epoxides. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1980 , 18, 2051-2059		5
2	The number of propagating species and some rate constants of elementary acts for the polymerization of ethylene and olefins using supported Ziegler catalysts. <i>European Polymer Journal</i> , 1980 , 16, 937-940	5.2	15
1	Reactor Powders of Ultra-high Molecular Weight Polyethylene for Solid-state Processing into High-strength Materials and Products. <i>Polymer Science - Series A</i> , 1	1.2	0

