

Valentin M Svetlichnyi

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.

74
papers

778
citations

16
h-index

24
g-index

75
ext. papers

867
ext. citations

1.7
avg, IF

3.59
L-index

#	Paper	IF	Citations
74	Synthesis, Heat Resistance, and Mechanical Properties of Cross-Linked UrethaneImide Copolymers Containing Blocks of Two Structurally Different Aliphatic Fragments (Polyether and Polyester) in the Backbone. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 1240-1258	0.8	3
73	Investigation of Polyetherimide Melt-Extruded Fibers Modified by Carbon Nanoparticles. <i>Materials</i> , 2021 , 14,	3.5	1
72	The Thermal Stability and Mechanical Properties of Non-Segregating Blends of Polyimides with Copoly(Urethane-Imide)s. <i>Key Engineering Materials</i> , 2020 , 869, 280-295	0.4	3
71	Electrospinning of Aqueous Solutions of a Triethylammonium Salt of Polyamic Acid and Properties of the Nonwoven Polyimide Materials. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 35-44	0.8	3
70	Heat Resistance and Dynamic Mechanical and Rheological Properties of a Blend of Crystallizing Polymers, Polyimide and Copoly(urethaneImide), at Identical Chemical Structure of the Imide Blocks in the Initial Polymers. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 45-56	0.8	8
69	Co-poly(urethane-imide)s based on poly[di(ethylene glycol) adipate] and their compositions with thermoplastic polyimide: synthesis and properties. <i>Russian Chemical Bulletin</i> , 2020 , 69, 369-377	1.7	11
68	Investigation of the Effect of Mono- and Diurethane Units on the Deformation and Strength Properties of Polyurethanimides. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 1491-1497	0.8	3
67	Multiblock Copoly(urethaneImide)s with the Properties of Thermoplastic Elastomers. <i>Polymer Science - Series C</i> , 2020 , 62, 90-110	1.1	5
66	Formation of Highly Conducting Optically Transparent Films with Multigraphene Structure via Carbonization of Polyimide LangmuirBlodgett Films. <i>Technical Physics Letters</i> , 2019 , 45, 471-474	0.7	
65	Dynamic mechanical properties, thermal and heat resistance of multiblock co-poly(urethane-imide) films with graphene and tungsten disulfide. <i>Russian Chemical Bulletin</i> , 2019 , 68, 1603-1612	1.7	10
64	Effect of Hard Segment Structure on the Thermomechanical Properties of Polyurethaneimides. <i>Polymer Science - Series A</i> , 2019 , 61, 142-148	1.2	6
63	Preparation, structure, and pervaporation performance of poly(amideImide)-sulfonated polyimide composites. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48197	2.9	9
62	Conductivity and Density of States of New Polyphenylquinoline. <i>Polymers</i> , 2019 , 11,	4.5	1
61	Obtainment of Aromatic Polyimide Nanofibers and Materials on Their Basis for Cell Technologies. <i>Polymer Science - Series A</i> , 2018 , 60, 483-490	1.2	1
60	Effect of Domain Structure of Segmented Poly(urethane-imide) Membranes with Polycaprolactone Soft Blocks on Dehydration of -Propanol via Pervaporation. <i>Polymers</i> , 2018 , 10,	4.5	5
59	Birefringence in solutions and films of poly[4,4'-bis(4''-N-phenoxy)diphenylsulfon]imide of 1,3 bis(3',4-dicarboxyphenoxy)benzene. <i>Polymer Science - Series A</i> , 2017 , 59, 193-197	1.2	2
58	Molecular design of optoelectronic structures based on carbazole- and indolocarbazole-containing polyphenylquinolines. <i>High Performance Polymers</i> , 2017 , 29, 730-749	1.6	4

57	Formation of crystalline heteroepitaxial SiC films on Si by carbonization of polyimide Langmuir-Blodgett films. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 06GH08	1.4	1
56	Tribological properties investigation of the thermoplastic elastomers surface with the AFM lateral forces mode. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 256, 012022	0.4	16
55	Synthesis and Properties of New 2,6-Poly(phenylquinoline)s and Their Composites with 2,1,3-Benzothiadiazole. <i>Polymer Science - Series B</i> , 2017 , 59, 718-729	0.8	1
54	Heteroepitaxial growth of SiC films by carbonization of polyimide Langmuir-Blodgett films on Si. <i>MATEC Web of Conferences</i> , 2017 , 98, 04002	0.3	
53	Structure of Composite Based on Polyheteroarylene Matrix and ZrO ₂ Nanostars Investigated by Quantitative Nanomechanical Mapping. <i>Polymers</i> , 2017 , 9,	4.5	7
52	Hydrodynamic, molecular, and conformational characteristics of poly[1,3-bis(3,4-dicarboxyphenoxy)benzene 4,4'-bis(4'-N-phenoxy)-diphenylsulfone]imide in solutions. <i>Polymer Science - Series A</i> , 2016 , 58, 12-17	1.2	4
51	Dimensional Effect due to the matrix isolation of luminescent composites of polyphenylquinolines. <i>Semiconductors</i> , 2016 , 50, 487-493	0.7	
50	Carbon plastics based on thermoplastic polyimide binders modified with nanoparticles. <i>Polymer Science - Series C</i> , 2016 , 58, 16-25	1.1	9
49	Luminescence-kinetic spectroscopy of compound complexes of polyphenylquinolines. <i>Semiconductors</i> , 2015 , 49, 959-961	0.7	
48	Parameterization of electrostatic interactions for molecular dynamics simulations of heterocyclic polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 912-923	2.6	26
47	Optically active polyamidoimides based on amino acids containing cyclohexane fragment. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 1661-1666	0.8	3
46	Thermal properties of bulk polyimides: insights from computer modeling versus experiment. <i>Soft Matter</i> , 2014 , 10, 1224-32	3.6	54
45	Sensitization of the photoelectric effect in carbazole- and indolocarbazole-containing poly(phenylquinoline)s by benzothiadiazole acceptor molecules. <i>Semiconductors</i> , 2014 , 48, 1481-1484	0.7	5
44	Composites of multiblock (segmented) aliphatic poly(ester imide) with zirconia nanoparticles: Synthesis, mechanical properties, and pervaporation behavior. <i>Polymer Science - Series B</i> , 2014 , 56, 919-926	0.8	11
43	Spectroscopic study of polyphenylquinolines materials with efficient intramolecular charge transfer. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2013 , 114, 737-750	0.7	8
42	Effect of single-walled carbon nanotubes and carbon nanofibers on the structure and mechanical properties of thermoplastic polyimide matrix films. <i>Polymer Science - Series A</i> , 2013 , 55, 268-278	1.2	22
41	Dynamic mechanical analysis of multiblock (segmental) polyesterimides. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 920-927	0.8	3
40	Nanocomposites based on polyamidoimide and octahedral silsesquioxanes. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 415-422	0.8	4

39	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. <i>Journal of Macromolecular Science - Physics</i> , 2013 , 52, 1848-1860	1.4	12
38	Carbon-reinforced plastics based on hybrid polyimide-organosilicon binders. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 1873-1879	0.8	2
37	Copolymers of carbazole- and indolocarbazole-containing phenylquinolines as new materials for electroluminescent devices. <i>Semiconductors</i> , 2013 , 47, 1058-1067	0.7	5
36	Carbazole-containing polyphenylquinolines as a basis for optoelectronic materials with white luminescence. <i>Semiconductors</i> , 2012 , 46, 496-503	0.7	8
35	Distribution of zirconia nanoparticles in the matrix of poly(4,4'-oxydiphenylenepyromellitimide). <i>Polymer Science - Series B</i> , 2012 , 54, 486-495	0.8	9
34	Effect of the SO ₂ group in the diamine fragment of polyimides on their structural, thermophysical, and mechanical properties. <i>Polymer Science - Series A</i> , 2012 , 54, 631-643	1.2	33
33	Structural control over conductivity and conduction type in thin films of polyphenylquinones. <i>Semiconductors</i> , 2012 , 46, 491-495	0.7	9
32	Corrosion protection of galvanized steel by polyimide coatings: EIS and SEM investigations. <i>Progress in Organic Coatings</i> , 2011 , 72, 269-278	4.8	22
31	Effect of thermal aging on the mechanical characteristics of a composite of a polyimide with an organosilicon resin. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1800-1804	0.8	2
30	Photophysical and electrical properties of polyphenylquinolines containing carbazole or indolo[3,2-b]carbazole fragments as new optoelectronic materials. <i>Semiconductors</i> , 2011 , 45, 1339-1345	0.7	19
29	Photophysical properties of indolo[3,2-b]carbazoles as a promising class of optoelectronic materials. <i>Semiconductors</i> , 2010 , 44, 1581-1587	0.7	21
28	Effect of the structure and shape of filler nanoparticles on the physical properties of polyimide composites. <i>Russian Journal of General Chemistry</i> , 2010 , 80, 2157-2169	0.7	21
27	Structure, morphology, and thermal properties of nanocomposites based on polyamido imide and hydrosilicate nanotubes. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 2175-2181	0.8	7
26	Thermal aging of carbon- and glass-reinforced plastics based on heat-resistant polyimide binders. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 889-893	0.8	3
25	Aromatic polysulfone imides and membranes based on them. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 1033-1040	0.8	7
24	Conducting film-forming composites based on polyaniline-polyimide blends. <i>Polymer Science - Series A</i> , 2009 , 51, 311-316	1.2	7
23	Photoelectric and electrical properties of soluble polyphenylquinolines containing an oxygen or phenylamine bridge group between quinoline moieties. <i>Semiconductors</i> , 2009 , 43, 359-364	0.7	7
22	Morphology and mechanical properties of carbon fiber reinforced composites based on semicrystalline polyimides modified by carbon nanofibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 85-90	8.4	45

21	Production, structure, and mechanical properties of carbon plastics based on a crystallizing polyimide matrix modified by carbon nanofibers. <i>Fibre Chemistry</i> , 2008 , 40, 392-397	0.6	1
20	Surface structure of semicrystalline polyimide films. <i>Polymer Science - Series A</i> , 2008 , 50, 299-308	1.2	1
19	Effects of nanofiller morphology and aspect ratio on the rheo-mechanical properties of polyimide nanocomposites. <i>EXPRESS Polymer Letters</i> , 2008 , 2, 485-493	3.4	35
18	Compatibilized polyimide (R-BAPS)/BAPS-modified clay nanocomposites with improved dispersion and properties. <i>Polymer</i> , 2007 , 48, 7130-7138	3.9	27
17	Field emission from metal/polymer construction. <i>Surface and Interface Analysis</i> , 2007 , 39, 159-160	1.5	4
16	Molecular characteristics and surface layer structure of poly(siloxane imides). <i>Polymer Science - Series A</i> , 2007 , 49, 532-537	1.2	
15	Modification of films of heat-resistant polyimides by adding hydrosilicate and carbon nanoparticles of various geometries. <i>Russian Journal of General Chemistry</i> , 2007 , 77, 1158-1163	0.7	16
14	Nanocomposites based on polyimide thermoplastics and magnesium silicate nanoparticles with montmorillonite structure. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 106-109	0.8	4
13	Nanocomposite based on polyamidoimide with hydrosilicate nanoparticles of varied morphology. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 2142-2148	0.8	10
12	Crystallization of R-BAPB type polyimide modified by carbon nano-particles. <i>Composites Science and Technology</i> , 2007 , 67, 789-794	8.6	36
11	Structure and properties of polyimide-bonded magnets processed from prepolymers based on diacetyl derivatives of aromatic diamines and dianhydrides. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 478-485	2.9	7
10	Synthesis and properties of films of a polyimide filled with ferromagnetic nanoparticles. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1321-1324	0.8	4
9	Influence of zone stretching on the properties of semicrystalline thermoplastic polyimide. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1884-1889	0.8	1
8	Molecular characteristics and solution behavior of prepolymers of several polyimides: Effect of synthesis conditions. <i>Polymer Science - Series A</i> , 2006 , 48, 787-792	1.2	5
7	Synthesis and rheological properties of oligoimide/montmorillonite nanocomposites. <i>Polymer</i> , 2005 , 46, 10866-10872	3.9	50
6	High conductivity and supercurrent in superconductor/polymer/superconductor systems. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 506-508	2.8	6
5	High conductivity of defect doped polymers in metal/polymer/metal systems. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 156-159		10
4	Polyimide bonded magnets: Processing and properties. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 3151-3158	2.9	7

3	Semicrystalline polyimide matrices for composites: Crystallization and properties. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 2873-2882	2.9	44
2	Thermally stable polyimide binders from aromatic dianhydrides and acetyl derivatives of aromatic diamines: Formation mechanism. <i>Polymer Engineering and Science</i> , 1997 , 37, 1381-1386	2.3	8
1	Aromatic polyetherimides as promising fusible film binders. <i>Polymer Engineering and Science</i> , 1995 , 35, 1321-1324	2.3	14