

Georgiy Shandryuk

List of Publications by Year in descending order

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80
papers

1,111
citations

471477

17
h-index

477281

29
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81
all docs

81
docs citations

81
times ranked

1007
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of H-Bonded Liquid Crystal Polymers on CdSe Quantum Dot Alignment within Nanocomposite. <i>Macromolecules</i> , 2008, 41, 2178-2185.	4.8	75
2	Relation of glass transition temperature to the hydrogen-bonding degree and energy in poly(N -vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 in plasticizer molecule. <i>Polymer</i> , 2001, 42, 971-979.	3.8	58
3	Stabilization of gas transport properties of PTMSP with porous aromatic framework: Effect of annealing. <i>Journal of Membrane Science</i> , 2016, 517, 80-90.	8.2	53
4	Coherence of thermal transitions in poly(N -vinyl pyrrolidone)â€™poly(ethylene glycol) compatible blends 1. Interrelations among the temperatures of melting, maximum cold crystallization rate and glass transition. <i>Polymer</i> , 2000, 41, 5327-5338.	3.8	50
5	Relation of glass transition temperature to the hydrogen-bonding degree and energy in poly(N -vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 chain length. <i>Polymer</i> , 2001, 42, 981-990.	3.8	48
6	Phase separation effects and the nematicâ€™isotropic transition in polymer and low molecular weight liquid crystals doped with nanoparticles. <i>Soft Matter</i> , 2013, 9, 3578.	2.7	42
7	Effect of Temperature on Probe Tack Adhesion: Extension of the Dahlquist Criterion of Tack. <i>Journal of Adhesion</i> , 2011, 87, 111-138.	3.0	40
8	Liquid Crystal H-Bonded Polymer Networks under Mechanical Stress. <i>Macromolecules</i> , 2003, 36, 3417-3423.	4.8	39
9	Synthesis of norborneneâ€™cyclooctene copolymers by the cross-metathesis of polynorbornene with polyoctenamer. <i>RSC Advances</i> , 2015, 5, 316-319.	3.6	38
10	Liquid-Crystalline Polymer Composites with CdS Nanorods: Structure and Optical Properties. <i>Langmuir</i> , 2011, 27, 13353-13360.	3.5	36
11	Effect of Chain Structure on the Rheological Properties of Vinyl Acetateâ€™Vinyl Alcohol Copolymers in Solution and Bulk. <i>Macromolecules</i> , 2014, 47, 4790-4804.	4.8	35
12	Coherence of thermal transitions in poly(N -vinyl pyrrolidone)â€™poly(ethylene glycol) compatible blends2. The temperature of maximum cold crystallization rate versus glass transition. <i>Polymer</i> , 2000, 41, 5339-5348.	3.8	28
13	Coherence of thermal transitions in poly(N -vinyl pyrrolidone)â€™poly(ethylene glycol) compatible blends 3. Impact of sorbed water upon phase behaviour. <i>Polymer</i> , 2000, 41, 5349-5359.	3.8	25
14	Competitive hydrogen bonding mechanisms underlying phase behavior of triple poly(N-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Polymer Science, 2007, 105, 3017-3036.	2.6	24
15	Alignment of nanoparticles in polymer matrices. <i>Polymer Science - Series A</i> , 2009, 51, 1194-1203.	1.0	22
16	Peculiarities of crystallization in the multiblock copolymers of norbornene and cyclooctene. <i>European Polymer Journal</i> , 2017, 86, 143-153.	5.4	21
17	Antiferroelectric alignment and mechanical director rotation in a hydrogen-bonded chiral SmC*Aelastomer. <i>Liquid Crystals</i> , 2001, 28, 495-502.	2.2	19
18	Analysis of the Thermal Behavior of Polypropyleneâ€™Camphor Mixtures for Understanding the Pathways to Polymeric Membranes via Thermally Induced Phase Separation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10533-10546.	2.6	18

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19	Development and stabilization of liquid crystalline phases in hydrogen-bonded systems. <i>Polymer Science - Series B</i> , 2009, 51, 57-83.	0.8	16
20	Regulation of the degree of blockiness of the norbornene-cyclooctene copolymer synthesized via the cross-metathesis reaction. <i>Polymer Science - Series B</i> , 2016, 58, 292-297.	0.8	16
21	New multiblock copolymers of norbornene and 5-hydroxycyclooctene. <i>Mendeleev Communications</i> , 2017, 27, 416-418.	1.6	16
22	Structure of \hat{I}^2 -N-dimethylamino-4-dodecyloxypropiofenone complexes with di- and polycarboxylic acids. <i>Journal of Molecular Structure</i> , 1995, 354, 89-96.	3.6	15
23	Quantitative Analysis of Dielectric Constants from EFM Images of Multicomponent Polymer Blends. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 966-969.	2.2	15
24	Photoluminescence properties of cadmium-selenide quantum dots embedded in a liquid-crystal polymer matrix. <i>Semiconductors</i> , 2013, 47, 647-649.	0.5	15
25	Liquid Crystal Polymer Brush with Hydrogen Bonds: Structure and Orientation Behavior. <i>Macromolecules</i> , 2004, 37, 3685-3688.	4.8	14
26	A new class of pressure-sensitive adhesives based on interpolymer and polymer-oligomer complexes. <i>Polymer Science - Series A</i> , 2009, 51, 799-814.	1.0	14
27	Phase equilibria and transformations in low-density polyethylene-p-xylene system. <i>Polymer Science - Series A</i> , 2016, 58, 1017-1024.	1.0	12
28	Polymers of diphenylamine-2-carboxylic acid: Synthesis, structure, and properties. <i>Polymer Science - Series B</i> , 2013, 55, 107-115.	0.8	11
29	Role of the Polymer Matrix on the Photoluminescence of Embedded CdSe Quantum Dots. <i>ChemPhysChem</i> , 2015, 16, 1071-1078.	2.1	11
30	Synthesis of new multiblock copolymers via cross-metathesis reaction of polytrimethylsilylnorbornene and polycyclooctene. <i>Polymer Science - Series B</i> , 2017, 59, 412-420.	0.8	11
31	Macromolecules "ghosts" in dynamic light scattering analysis: An approach to study interaction between CdSe quantum dots and RAFT-based poly(methyl methacrylate). <i>Polymer</i> , 2018, 142, 1-10.	3.8	11
32	Epoxidation of Multiblock Copolymers of Norbornene and Cyclooctene. <i>Polymer Science - Series B</i> , 2018, 60, 688-698.	0.8	11
33	Isotactic polypropylene-1,2,4,5-tetrachlorobenzene: porous bodies via thermally induced phase separation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2481-2489.	3.6	11
34	The role of the alien proton acceptor on the formation of LC structure in H-bonded monomeric and polymeric derivatives of alkoxybenzoic acids. <i>Journal of Molecular Structure</i> , 2004, 708, 7-14.	3.6	10
35	Thermal fractionation of vinyl acetate-vinyl alcohol copolymers. <i>Polymer Science - Series A</i> , 2013, 55, 385-392.	1.0	10
36	Anisotropic derivatives of (-)-L-lactic acid and their nanocomposites. <i>Liquid Crystals</i> , 2018, 45, 1223-1233.	2.2	10

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37	Synthesis and Gas-Transport Properties of Iron- and Zirconium-Containing Polydimethylsiloxanes. <i>Polymer Science - Series B</i> , 2018, 60, 405-413.	0.8	10
38	Phase diagram of the low-density polyethylene – dimethyl terephthalate system: A new topology. <i>Thermochimica Acta</i> , 2020, 684, 178499.	2.7	10
39	A Role of Coagulant in Structure Formation of Fibers and Films Spun from Cellulose Solutions. <i>Materials</i> , 2020, 13, 3495.	2.9	10
40	Combining optical microscopy, turbidimetry, and DSC to study structural transformations in the mixtures of semicrystalline polymers with low-molar-mass crystallizable substances. <i>Thermochimica Acta</i> , 2020, 690, 178671.	2.7	10
41	On the mechanism of metal-ions facilitated transport through pseudo-liquid membranes. <i>Journal of Membrane Science</i> , 1995, 104, 197-203.	8.2	9
42	Matrices based on acrylic liquid-crystalline copolymers for the design of composites with quantum dots. <i>Polymer Science - Series B</i> , 2012, 54, 533-541.	0.8	9
43	Facile synthesis of norbornene–ethylene–vinyl acetate/vinyl alcohol multiblock copolymers by the olefin cross-metathesis of polynorbornene with poly(5-acetoxy-1-octenylene). <i>Polymer Chemistry</i> , 2020, 11, 7063-7077.	3.9	9
44	Thermal and optical studies on the compositions of low-density polyethylene with highly refined mineral oil. <i>Thermochimica Acta</i> , 2018, 669, 45-51.	2.7	8
45	Monochelic copolymer as a matrix for cholesteric composites with gold nanoparticles. <i>Polymer</i> , 2015, 77, 113-121.	3.8	7
46	Synthesis and properties of brominated poly(1-trimethylsilyl-1-propyne). <i>Russian Chemical Bulletin</i> , 2016, 65, 1067-1071.	1.5	7
47	Cross-Metathesis and Hydrogenation in Polynorbornene–Poly(5-hydroxyoctenamer) Mixture in the Presence of Grubbs’s™ Catalysts. <i>Polymer Science - Series B</i> , 2018, 60, 735-745.	0.8	7
48	Cyclododecene in Olefin Metathesis: Polymerization and Macromolecular Cross-Metathesis with Polynorbornene. <i>Polymer Science - Series C</i> , 2019, 61, 120-133.	1.7	7
49	Effects of technical parameters on the physicochemical properties of rifampicin-containing polylactide nanoparticles. <i>Pharmaceutical Chemistry Journal</i> , 2010, 44, 151-156.	0.8	6
50	Composites based on liquid-crystalline polymers with terminal functional groups and inorganic nanoparticles. <i>Polymer Science - Series C</i> , 2016, 58, 102-117.	1.7	6
51	Facile phase transfer of gold nanorods and nanospheres stabilized with block copolymers. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 616-627.	2.8	6
52	Multiblock Copolymers of Norbornene and Cyclododecene: Chain Structure and Properties. <i>Polymers</i> , 2021, 13, 1756.	4.5	6
53	Formation of the Inorganic and Organic Shells on the Surface of CdSe Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36190-36200.	8.0	6
54	Ordering phenomena in composite monolayers and Langmuir–Blodgett films. <i>Thin Solid Films</i> , 1998, 325, 232-237.	1.8	5

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55	Phase state of polyelectrolyte complexes based on blends of acrylic copolymers. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2926-2943.	2.6	5
56	Stable nonequilibrium composites based on liquid-crystalline polymers and cadmium selenide nanoparticles. <i>Polymer Science - Series A</i> , 2014, 56, 488-497.	1.0	5
57	Crosslinked $\hat{1}$ -olefin-diene copolymers prepared using a metallocene catalyst deposited on the surface of SiO ₂ -modified Fe ₃ O ₄ : Ferromagnetic oil sponges. <i>Polymer Science - Series B</i> , 2017, 59, 83-90.	0.8	5
58	The Effect of Alcohol Precipitants on Structural and Morphological Features and Thermal Properties of Lyocell Fibers. <i>Fibers</i> , 2020, 8, 43.	4.0	5
59	Olefin-Metathesis-Derived Norbornene- $\hat{1}$ -Ethylene- $\hat{1}$ -Vinyl Acetate/Vinyl Alcohol Multiblock Copolymers: Impact of the Copolymer Structure on the Gas Permeation Properties. <i>Polymers</i> , 2022, 14, 444.	4.5	5
60	Induction and stabilization of liquid crystal order in H $\hat{1}$ -bond complexes containing non $\hat{1}$ -mesogenic species. <i>Macromolecular Symposia</i> , 1997, 117, 219-228.	0.7	4
61	Synthesis and properties of hyperbranched copolymers based on perfluorinated germanium hydrides. <i>Polymer Science - Series B</i> , 2011, 53, 456-465.	0.8	4
62	Modification of Poly(4-Methyl-2-Pentyne) in Supercritical Fluid Medium for Production of CO ₂ -Selective Gas-Separation Membranes. <i>Russian Journal of Physical Chemistry B</i> , 2017, 11, 1276-1282.	1.3	4
63	Stabilization of Gold Nanospheres and Nanorods in Diblock Copolymers of Styrene and Vinylpyridine. <i>Polymer Science - Series C</i> , 2018, 60, 78-85.	1.7	4
64	Cross-Metathesis between Polynorbornene and Poly(5,6-epoxy-1-octenamer). <i>Polymer Science - Series C</i> , 2019, 61, 134-144.	1.7	4
65	Photoluminescence of cadmium selenide quantum dots in polymer solutions. <i>Polymer Science - Series B</i> , 2011, 53, 553-561.	0.8	3
66	Immobilization of quantum dots of cadmium selenide on the matrix of a graft liquid-crystalline polymer. <i>Polymer Science - Series A</i> , 2011, 53, 521-526.	1.0	3
67	Formation of electrochromic systems based on noncovalently associated polymer-viologen complexes. <i>Polymer Science - Series B</i> , 2012, 54, 50-60.	0.8	3
68	Photoluminescence of nanocomposites of liquid-crystalline polymers and cadmium selenide quantum dots. <i>Polymer Science - Series A</i> , 2014, 56, 781-785.	1.0	3
69	Three-dimensional printing of ramipril tablets by fused deposition modeling. <i>Drug Development and Registration</i> , 2021, 10, 79-87.	0.6	3
70	Induction and Stabilization of Smectic Phases in Amphiphilic Hydrogen-Bond Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 281, 135-144.	0.3	2
71	Polymeric and Low-Molecular Stabilizers for Au Nanoparticles in a Diblock Copolymer Matrix. <i>Polymer Science - Series C</i> , 2018, 60, 240-250.	1.7	2
72	Blend Composites Based on Polystyrene- $\hat{1}$ -CdSe Quantum Dots and Polystyrene- $\hat{1}$ -Gold Nanoparticles Hybrid Systems. <i>Polymer Science - Series B</i> , 2018, 60, 370-379.	0.8	2

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73	Olefin cross-metathesis of polynorbornene with polypentenamer: New norbornene-cyclopentene multiblock copolymers. <i>European Polymer Journal</i> , 2022, 173, 111264.	5.4	2
74	Some unusual structures in thermotropic mesophase polymers. <i>Macromolecular Symposia</i> , 2001, 175, 197-208.	0.7	1
75	Properties of block (co)polymers of methyl methacrylate and perfluorinated polyphenylenegermane. <i>Russian Journal of Applied Chemistry</i> , 2010, 83, 1299-1304.	0.5	1
76	The role of chain structure in the rheological behavior of vinyl acetate-vinyl alcohol copolymers. <i>Polymer Science - Series A</i> , 2014, 56, 196-204.	1.0	1
77	Synthesis of polyvinyltrimethylsilane-graft-poly(ethylene glycol) copolymers and properties of gas-separating membranes formed on their basis. <i>Polymer Science - Series B</i> , 2014, 56, 282-289.	0.8	1
78	Reaction of an Antioxidant (Sodium Sulfite) with 3-Hydroxy-6-Methyl-2-Ethylpyridinium Salts. <i>Pharmaceutical Chemistry Journal</i> , 2015, 48, 840-842.	0.8	1
79	Liquid Crystal Polymers as Matrices for Arrangement of Inorganic Nanoparticles. , 2015, , 369-387.		0
80	Anisotropic Derivatives of (S)-L-lactic Acid and Nanocomposites on their Basis. <i>Zhidkie Kristally I Ikh Prakticheskoe Ispol'zovanie</i> , 2016, 16, 5-18.	0.1	0