Galina K Elyashevich

List of Publications by Year
in descending order

102	988	430442	580395
papers	citations	18 h-index	25 g-index

104	104	104	790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamics of crystallization of macromolecules of various degrees of coiling. Journal of Macromolecular Science - Physics, 1977, 13, 255-289.	0.4	45
2	New photosensitive polymer composites based on oriented porous polyethylene filled with azobenzeneâ€containing LC mixture: reversible photomodulation of dichroism and birefringence. Liquid Crystals, 2008, 35, 533-539.	0.9	38
3	Porous structure, permeability, and mechanical properties of polyolefin microporous films. Physics of the Solid State, 2012, 54, 1907-1916.	0.2	33
4	Capacitance properties and structure of electroconducting hydrogels based on copoly(aniline â€“) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	33
5	Synthesis and characterization of thin polypyrrole layers on polyethylene microporous films. European Polymer Journal, 1999, 35, 613-620.	2.6	30
6	Electrical resistance and diffusion permeability of microporous polyethylene membranes modified with polypyrrole and polyaniline in solutions of electrolytes. Journal of Membrane Science, 2002, 196, 279-287.	4.1	27
7	Composite membranes with conducting polymer microtubules as new electroactive and transport systems. Polymers for Advanced Technologies, 2002, 13, 725-736.	1.6	27
8	Thermochemical and deformational stability of microporous polyethylene films with polyaniline layer. Thermochimica Acta, 2001, 374, 23-30.	1.2	26
9	Structure development in oriented polyethylene films and microporous membranes as monitored by sound propagation. Journal of Applied Polymer Science, 2001, 80, 214-222.	1.3	26
10	Effect of polymerization conditions of pyrrole on formation, structure and properties of high gas separation thin polypyrrole films. Thin Solid Films, 2002, 406, 54-63.	0.8	26
11	Thermodynamics and kinetics of orientational crystallization of flexible-chain polymers. Advances in Polymer Science, 1982, , 205-245.	0.4	24
12	Micro- and nanofiltration membranes on the base of porous polyethylene films. Desalination, 2005, 184, 273-279.	4.0	23
13	Swelling-contraction of sodium polyacrylate hydrogels in media with various pH values. Polymer Science - Series A, 2009, 51, 550-553.	0.4	23
14	Photopatternable fluorescent polymer composites based on stretched porous polyethylene and photopolymerizable liquid crystal mixture. Journal of Materials Chemistry, 2008, 18, 691.	6.7	21
15	Photochromic LCâ€“polymer composites containing azobenzene chromophores with thermally stable Z-isomers. Journal of Materials Chemistry C, 2014, 2, 4482-4489.	2.7	20
16	Deformation behavior and mechanical properties of hard elastic and porous films of polyethylene. Macromolecular Symposia, 1999, 147, 91-101.	0.4	19
17	Polymer matrix of polyethylene porous films functionalized by electrical discharge plasma. European Polymer Journal, 2008, 44, 2702-2707.	2.6	19
18	Electroactive hydrogels based on poly(acrylic acid) and polypyrrole. Polymer Science - Series A, 2011, 53, 67-74.	0.4	19

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19	Investigation of gas diffusion through films of fullerene-containing poly(phenylene oxide). Technical Physics Letters, 1999, 25, 555-557.	0.2	18
20	The effect of a polypyrrole coating on the thermal stability of microporous polyethylene membranes. European Polymer Journal, 2003, 39, 647-654.	2.6	18
21	Porosity of microporous polyethylene membranes modified with polypyrrole and their diffusion permeability to low-molecular weight substances. Chemical Engineering Journal, 2000, 79, 211-217.	6.6	17
22	Thermal and structural stability of composite systems based on polyaniline deposited on porous polyethylene films. Polymer Degradation and Stability, 2006, 91, 2786-2792.	2.7	17
23	Polymorphic transformations in poly(vinylidene fluoride) films during orientation. Polymer Science - Series A, 2006, 48, 272-277.	0.4	16
24	Combined polyethylene-polyaniline membranes. Journal of Applied Polymer Science, 1997, 64, 2665-2666.	1.3	15
25	Photochromic composites based on porous stretched polyethylene filled by nematic liquid crystal mixtures. Polymers for Advanced Technologies, 2010, 21, 100-112.	1.6	13
26	Quantum dotâ€“polymer composites based on nanoporous polypropylene films with different draw ratios. European Polymer Journal, 2016, 82, 93-101.	2.6	13
27	Formation and analysis of a polyimide layer in composite membranes. Journal of Applied Polymer Science, 2000, 75, 1026-1032.	1.3	12
28	New composite systems on the base of polyethylene porous films covered by polypyrrole and polyacrylic acid. Journal of Applied Polymer Science, 2005, 97, 1410-1417.	1.3	12
29	Polyethylene-based composites containing high concentration of quantum dots. Colloid and Polymer Science, 2015, 293, 1545-1551.	1.0	11
30	Mechanical response and network characterization of conductive polyaniline/polyacrylamide gels. Materials Chemistry and Physics, 2017, 187, 88-95.	2.0	11
31	Orientational crystallization and orientational drawing as strengthening methods for polyethylene. Polymer Engineering and Science, 1993, 33, 1341-1351.	1.5	10
32	Gas transport properties and structural order of poly(4,4â€²-oxydiphenylene piromelliteimide) in composite membranes. Separation and Purification Technology, 1998, 14, 13-18.	3.9	10
33	Structure and Time-Dependent Mechanical Behavior of Highly Oriented Polyethylene. Mechanics of Time-Dependent Materials, 1999, 3, 319-334.	2.3	9
34	Properties of polymer conducting thin layers on the surface of microporous polyethylene films. Synthetic Metals, 2001, 119, 277-278.	2.1	9
35	Orientation of pores in microporous polyethylene films as determined by polarized absorption spectroscopy. Materials Research Innovations, 2001, 4, 301-305.	1.0	9
36	Swelling behavior and pervaporation properties of new composite membrane systems: Porous polyethylene film-poly(acrylic acid) hydrogel. Journal of Applied Polymer Science, 2004, 94, 1461-1465.	1.3	9

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37	Correlation between IR spectra and electric conductivity of polyethylene-polypyrrole composites. Polymer Science - Series B, 2006, 48, 331-334.	0.3	9
38	Photoâ€optical properties of polymer composites based on stretched porous polyethylene filled with photoactive cholesteric liquid crystal. Liquid Crystals, 2007, 34, 791-797.	0.9	9
39	Percolation transitions in porous polyethylene and polypropylene films with lamellar structures. Polymer Science - Series A, 2015, 57, 717-722.	0.4	9
40	Topomorphic states and phase transitions connected with the crystallization of polymers. Polymer Engineering and Science, 1980, 20, 206-211.	1.5	8
41	Properties of Conducting Composite Systems Containing Polypyrrole Layers on Porous Polyethylene Films. Russian Journal of Applied Chemistry, 2005, 78, 1993-2001.	0.1	8
42	Electroactive composite systems containing high conductive polymer layers on poly(ethylene) porous films. Polymers for Advanced Technologies, 2006, 17, 700-704.	1.6	8
43	Conducting film-forming composites based on polyaniline-polyimide blends. Polymer Science - Series A, 2009, 51, 311-316.	0.4	8
44	New pH-responsive and electroactive composite systems containing hydrogels and conducting polymers on a porous matrix. Polymer Science - Series A, 2012, 54, 900-908.	0.4	8
45	Changes in the Amorphous Phase of Polyethylene upon High Extension. International Journal of Polymeric Materials and Polymeric Biomaterials, 1993, 22, 191-199.	1.8	7
46	Colored microporous polyethylene films: effect of porous structure on dye adsorption. Materials Research Innovations, 2002, 6, 34-37.	1.0	7
47	Effect of initiator on the structure of hydrogels of cross-linked polyacrylic acid. Russian Journal of Applied Chemistry, 2011, 84, 2106-2113.	0.1	7
48	Electrochemical activity and structure of new composite systems based on cross-linked polyacrylamide and polyaniline. Russian Journal of Applied Chemistry, 2014, 87, 491-495.	0.1	7
49	Barrier properties and structure of inorganic layers at polyanilineâ€“steel interface. Russian Journal of Applied Chemistry, 2015, 88, 1168-1173.	0.1	7
50	New polyaniline/chitosan composite systems: Synthesis, structure, and functional properties. Russian Journal of Applied Chemistry, 2015, 88, 1788-1792.	0.1	7
51	Topological structure of microporous oriented polypropylene films. Physics of the Solid State, 2015, 57, 1028-1032.	0.2	7
52	Interaction of Polyaniline with Surface of Carbon Steel. International Journal of Polymer Science, 2017, 2017, 1-9.	1.2	7
53	Electromechanical Response and Structure of Chitosanâ€“Polyaniline Composite Systems. Polymer Science - Series A, 2018, 60, 322-331.	0.4	7
54	Orientation Efforts as Regulatory Factor of Structure Formation in Permeable Porous Poly(vinylidene fluoride) Films. Chinese Journal of Polymer Science (English Edition), 2019, 37, 1283-1289.	2.0	7

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55	Properties of multi-layer composite membranes on the base of polyethylene porous films. Desalination, 2002, 144, 21-26.	4.0	6
56	Structure and Long-Term Mechanical Properties of Oriented Polyethylene. Physics of the Solid State, 2005, 47, 1020.	0.2	6
57	Structure of composites prepared via polypyrrole synthesis in supercritical CO2 on microporous polyethylene. Polymer Science - Series A, 2006, 48, 827-840.	0.4	6
58	Hydrophilization of porous polyethylene films by cold plasma of different types. Polymer Science - Series B, 2009, 51, 247-255.	0.3	6
59	Disorder-order transition in microporous oriented polyethylene films. Physics of the Solid State, 2012, 54, 1903-1906.	0.2	6
60	Surface texture and percolation effects in microporous oriented films of polyolefins. Physics of the Solid State, 2012, 54, 2312-2318.	0.2	6
61	Regularities of lamellae ordering in the formation of polypropylene membrane porous structure. Physics of the Solid State, 2014, 56, 396-404.	0.2	6
62	Anticorrosion activity of anilineâ€“aniline-2-sulfonic acid copolymers on the steel surface. Russian Journal of Applied Chemistry, 2016, 89, 432-438.	0.1	6
63	Structure and piezoelectric properties of microporous polyvinylidene fluoride films. Physics of the Solid State, 2017, 59, 1041-1046.	0.2	6
64	Changes in the Structure and Mechanical Properties of Hard Elastic and Porous Polypropylene Films upon Annealing and Orientation. Physics of the Solid State, 2018, 60, 2019-2025.	0.2	6
65	Title is missing!. Acta Polymerica, 1990, 41, 147-152.	1.4	5
66	Effect of degree of cross-linking of sodium acrylate hydrogels on their swelling in variously acidic solutions. Russian Journal of Applied Chemistry, 2008, 81, 1818-1820.	0.1	5
67	Ferroelectric liquid crystal composites based on the porous stretched polyethylene films. Liquid Crystals, 2010, 37, 517-525.	0.9	5
68	Structure and electric conductivity of copolymers of aniline and aniline-2-sulfonic acid obtained via chemical oxidative copolymerization. Polymer Science - Series B, 2012, 54, 477-485.	0.3	5
69	Superlattices of lamellae in microporous oriented polyolefine films. Physics of the Solid State, 2013, 55, 443-449.	0.2	5
70	Structure and mechanical properties of porous films based on polyethylenes of different molecular masses. Polymer Science - Series A, 2013, 55, 595-602.	0.4	4
71	Self-organization of lamellae and permeability of microporous oriented polypropylene films. Physics of the Solid State, 2013, 55, 1968-1975.	0.2	4
72	Hybrid hydrogels based on cross-linked polyacrylic acid and polyvinyl alcohol as electrically controlled artificial muscles. Russian Journal of Applied Chemistry, 2016, 89, 1838-1845.	0.1	4

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73	Through Permeability of Polyvinylidene Fluoride Piezoactive Porous Films. Polymer Science - Series A, 2018, 60, 734-741.	0.4	4
74	Sorption and Mechanical Properties of Chitosan/Graphene Oxide Composite Systems. Russian Journal of Applied Chemistry, 2019, 92, 415-422.	0.1	4
75	Ordering Effects and Percolation in the Structure Formation Process of the Oriented Polyolefin Porous Films. Acta Chimica Slovenica, 2017, 64, 980-987.	0.2	4
76	New composite membranes based on crosslinked poly(acrylic acid) and porous polyethylene films. Polymer Science - Series A, 2006, 48, 738-744.	0.4	3
77	Features of fluorescence of CdSe/ZnS semiconductor quantum rods in multicomponent solutions with pentylcyanobiphenyl. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2010, 108, 941-946.	0.2	3
78	Structure formation, stability, and thermal strain behavior of oriented microporous polypropylene films. Russian Journal of Applied Chemistry, 2014, 87, 1308-1313.	0.1	3
79	Electroconducting Polypyrrole Coatings as an Electrode Contact Material on Porous Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Over	0.4	3
80	Piezoelectric properties of the oriented porous poly(vynilidene) fluoride films. AIP Conference Proceedings, 2020, , .	0.3	3
81	Phenomenon of superheating in the melting of oriented samples of flexible-chain polymers. Acta Polymerica, 1983, 34, 390-395.	1.4	2
82	Thermal Transformations of Polyethylene Film and Porous Membrane on Its Basis. Russian Journal of Applied Chemistry, 2003, 76, 1134-1138.	0.1	2
83	Electrophysical Properties and Thermal-Deformation Stability of Composites Containing Polyaniline Layers Deposited on Porous Polyethylene Films. Russian Journal of Applied Chemistry, 2005, 78, 478-483.	0.1	2
84	Polymer Piezoelements Based on Porous Polyvinylidene Fluoride Films and Contact Electrode Polyaniline Layers. Physics of the Solid State, 2020, 62, 566-573.	0.2	2
85	Physicochemical Properties and Morphological Features of Modified Chitosan/Polyaniline Composite Films. Russian Journal of Physical Chemistry A, 2021, 95, 193-198.	0.1	2
86	Optical transmission of porous polyolefin films in immersion media. Journal of Optical Technology (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	2
87	Theoretical analysis of the effect of crystallization temperature on structure formation in flexible-chain polymers. Journal of Macromolecular Science - Physics, 1990, 29, 249-261.	0.4	1
88	Dependence of the dielectric constant on the structure of extruded polyvinylidene fluoride films. Russian Journal of Applied Chemistry, 2006, 79, 642-646.	0.1	1
89	The effect of a porous polyethylene matrix on the structure and mechanical and deformational properties of electroactive composites. Mechanics of Composite Materials, 2006, 42, 577-586.	0.9	1
90	Behavior of sodium polyacrylate hydrogels in copper sulfate solutions. Russian Journal of Applied Chemistry, 2008, 81, 1648-1651.	0.1	1

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91	Molecular mobility of poly(vinylidene fluoride) in the anisotropic state. Polymer Science - Series A, 2008, 50, 265-272.	0.4	1
92	Light scattering by porous oriented polypropylene films. Physics of the Solid State, 2017, 59, 583-587.	0.2	1
93	Piezo-active composite systems based on porous polyvinylidene fluoride films and conducting polymer layers as electrodes. Physics of Complex Systems, 2021, 2, 25-32.	0.2	1
94	Title is missing!. Acta Polymerica, 1991, 42, 245-250.	1.4	0
95	Computer simulation of coherent radiation scattering by highly anisotropic objects. , 1998, 3573, 540.		0
96	Application of the methods of light scattering to determine structural characteristics of highly oriented polymeric films. , 1998, , .		0
97	Optical investigations of polyethylene microporous films during the structure formation process. , 1998, , .		0
98	Electrochemical properties of conducting polyethylene-polyacetylene composites. Russian Journal of Electrochemistry, 2000, 36, 23-29.	0.3	0
99	Composite materials prepared by phase inversion deposition of polyacrylonitrile onto porous polyethylene films. Russian Journal of Applied Chemistry, 2009, 82, 1447-1455.	0.1	0
100	Effect of orientation extension on the structure and physicomechanical properties of porous polyethylene films. Polymer Science - Series A, 2010, 52, 1311-1317.	0.4	0
101	Application of laser radiation for investigation of oriented polypropylene membranes. Proceedings of SPIE, 2016, , .	0.8	0
102	Nano- and micro-scales structure and properties of the liquid-permeable piezoactive polyvinylidene fluoride films. Nanosystems: Physics, Chemistry, Mathematics, 2019, , 303-312.	0.2	0