

Sergey N Malakhov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Method of manufacturing nonwovens by electrospinning from polymer melts. <i>Fibre Chemistry</i> , 2009, 41, 355-359.	0.2	35
2	Effect of low molecular additives on the electrospinning of nonwoven materials from a polyamide-6 melt. <i>Polymer Science - Series A</i> , 2016, 58, 236-245.	1.0	19
3	Optical Monitoring of the Resistive States of a Polyaniline-Based Memristive Device. <i>Advanced Electronic Materials</i> , 2020, 6, 2000511.	5.1	16
4	Planar and 3D fibrous polyaniline-based materials for memristive elements. <i>Soft Matter</i> , 2017, 13, 7300-7306.	2.7	15
5	Is Chitosan the Promising Candidate for Filler in Nature-Friendly Electrorheological Fluids?. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3802-3810.	6.7	15
6	Electrospinning of Nonwoven Fabrics from Polypropylene Melt with Additions of Stearates of Divalent Metals. <i>Fibre Chemistry</i> , 2018, 50, 27-32.	0.2	12
7	Electrospinning of Non-Woven Materials from the Melt of Polyamide-6 with Added Magnesium, Calcium, and Zinc Stearates. <i>Fibre Chemistry</i> , 2015, 47, 14-19.	0.2	11
8	Hybrid polyaniline/polyamide-6 fibers and nonwoven materials for assembling organic memristive elements. <i>Synthetic Metals</i> , 2019, 254, 63-67.	3.9	11
9	Nanocomposite nonwoven materials based on polyamide-6 and montmorillonite, prepared by electrospinning of the polymer melt. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 165-172.	0.5	10
10	Functional Nonwoven Materials Obtained by Electrospinning from a Polymer Melt. <i>Fibre Chemistry</i> , 2017, 49, 173-182.	0.2	7
11	Preparation of Nonwoven Materials for Removal of Oil Spills from Water by Electrospinning of Polylactide Melt. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1487-1491.	0.5	7
12	Nonwoven Materials Produced by Melt Electrospinning of Polypropylene Filled with Calcium Carbonate. <i>Polymers</i> , 2020, 12, 2981.	4.5	7
13	Tetramer of aniline as a structural analog of polyaniline – Promising material for biomedical application. <i>Synthetic Metals</i> , 2021, 274, 116712.	3.9	7
14	Influence of electrorheological characteristics of polymer mixture melts on the structure and properties of non-cloth materials. <i>Fibre Chemistry</i> , 2012, 43, 417-420.	0.2	6
15	Effect of exfoliating agent on rheological behavior of β -chitin fibrils in aqueous suspensions and on mechanical properties of poly(acrylic acid)/ β -chitin composites. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 161-169.	7.5	6
16	Nano- and Microfibrous Materials Based on Collagen for Tissue Engineering: Synthesis, Structure, and Properties. <i>Nanotechnologies in Russia</i> , 2018, 13, 476-486.	0.7	5
17	Modification of non-woven materials based on sodium alginate for tissue-engineering. <i>Journal of Physics: Conference Series</i> , 2019, 1347, 012072.	0.4	5
18	Nonwoven materials produced by melt electrospinning of commodity polymers. <i>Russian Journal of General Chemistry</i> , 2017, 87, 1364-1370.	0.8	4

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19	Investigation of the Pigments of the Ancient Portrait Terracotta Found in the Kerch Bay. Crystallography Reports, 2019, 64, 1003-1010.	0.6	4
20	Surface modification of poly(tetrafluoroethylene) and poly(ethylene terephthalate) films via environmental crazing. Polymer International, 2020, 69, 627-634.	3.1	4
21	Study of highly porous poly(ε-caprolactide)-based composites with chitosan and collagen. Polymers for Advanced Technologies, 2021, 32, 853-860.	3.2	4
22	An Integrated Study of the Hair Coating of Ancient Egyptian Mummies. Journal of Analytical Chemistry, 2020, 75, 262-274.	0.9	3
23	Nonwoven materials produced by melt electrospinning of polyamide-6 and its blends with polypropylene, polystyrene and polylactide for oil spills removal. AIP Conference Proceedings, 2020, , .	0.4	3
24	Structure and Properties of Nonwoven Materials Obtained by Electrospinning of a Solution and Melt of Polyamide-6. Nanotechnologies in Russia, 2020, 15, 451-455.	0.7	3
25	An Organic Memristive Element Based on Single Polyaniline/Polyamide-6 Fiber. Technical Physics Letters, 2017, 43, 1102-1104.	0.7	1
26	Effect of Low-Molecular-Mass Additives on Structure and Properties of Nonwoven Materials Prepared by Electrospinning of Polypropylene Melts. Fibre Chemistry, 2021, 52, 366-370.	0.2	1
27	Carbon Nanofiber Material Based on the ANMAIA Copolymer for a Biofuel Cell Electrode. Nanotechnologies in Russia, 2020, 15, 55-62.	0.7	1
28	Creation of a microrelief by thermally stimulated shrinkage of metal-coated polypropylene films. Doklady Physical Chemistry, 2017, 477, 219-221.	0.9	0
29	Nonwoven materials based on polyethylene oxide for use as a polymer electrolyte in memristive devices. Russian Journal of Applied Chemistry, 2017, 90, 1540-1544.	0.5	0
30	Multifunctional nonwoven materials, produced by electrospinning of a heated solution and melt of ethylene-octene copolymer. Materials Today Communications, 2019, 21, 100729.	1.9	0
31	Melt electrospinning of polyethylene fibres for oil collection from water surface. Journal of Physics: Conference Series, 2019, 1347, 012082.	0.4	0
32	Study of a reliquary cross from the Novodevichy Convent with natural science techniques. Rossijskaja Arheologija, 2020, , 165-183.	0.2	0
33	Poly(p-Xylylene) and Poly(chloro-p-Xylylene) Protective Coatings Prepared by Deposition in a Nitrogen Flow. Nanotechnologies in Russia, 2020, 15, 647-654.	0.7	0