Vladimir Strelnikov

List of Publications by Year
in descending order

74	424	840119 11	839053 18
papers	citations	h-index	g-index

74	74	74	415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revisiting the surface tension of liquid marbles: Measurement of the effective surface tension of liquid marbles with the pendant marble method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 425, 15-23.	2.3	62
2	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. Langmuir, 2016, 32, 4134-4140.	1.6	31
3	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. Advanced Engineering Materials, 2014, 16, 1127-1132.	1.6	26
4	Photo-induced electric polarizability of Fe3O4 nanoparticles in weak optical fields. Nanoscale Research Letters, 2013, 8, 317.	3.1	18
5	Synthesis of Indoles by Domino Reaction of 2â€(Tosylamino)benzyl Alcohols with Furfurylamines: Two Opposite Reactivity Modes of the Î±â€Carbon of the Furan Ring in One Process. European Journal of Organic Chemistry, 2014, 2014, 2508-2515.	1.2	18
6	Robust icephobic coating based on the spiky fluorinated Al2O3 particles. Scientific Reports, 2021, 11, 5394.	1.6	17
7	Liquid marbles containing petroleum and their properties. Petroleum Science, 2015, 12, 340-344.	2.4	14
8	Effect of asymmetric cooling of sessile droplets on orientation of the freezing tip. Journal of Colloid and Interface Science, 2022, 620, 179-186.	5.0	14
9	Agglomeration of the condensed phase of energetic condensed systems containing modified aluminum. Combustion, Explosion and Shock Waves, 2012, 48, 694-698.	0.3	13
10	Effect of organic-silane additives on texturalâ€“structural properties of mesoporous silicate materials. Microporous and Mesoporous Materials, 2012, 153, 275-281.	2.2	13
11	Synthetic pitches based on the anthracene fraction of coal tar. Coke and Chemistry, 2014, 57, 429-439.	0.0	12
12	Curing of epoxy-anhydride formulations in the presence of imidazoles. Russian Journal of Applied Chemistry, 2010, 83, 1408-1412.	0.1	11
13	A simple synthesis of benzofurans by acid-catalyzed domino reaction of salicyl alcohols with N-tosylfurfurylamine. Tetrahedron, 2017, 73, 6523-6529.	1.0	11
14	Preparation and Properties of Frost-Resistant Room-Temperature-Curable Compounds Based on Oligoethertetraurethane Diepoxides of Various Chemical Structures. Russian Journal of Applied Chemistry, 2018, 91, 463-468.	0.1	11
15	Production of isotropic coke in industrial trials. Coke and Chemistry, 2014, 57, 202-207.	0.0	10
16	Stability of the dispersed system in inverse emulsion polymerization of ionic acrylate monomers. Colloid and Polymer Science, 2021, 299, 1127-1138.	1.0	9
17	Production of isotropic coke by thermocracking of the anthracene fraction of coal tar. Coke and Chemistry, 2014, 57, 98-105.	0.0	8
18	Synthesis by radical polymerization and structure of drag reducing terpolymers based on acrylamide, acrylonitrile, and 2-acrylamido-2-methylpropanesulfonic acid. Russian Journal of Applied Chemistry, 2017, 90, 1524-1531.	0.1	8

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19	Preparation of mesoporous silicon dioxide with high specific surface area. Russian Journal of Applied Chemistry, 2009, 82, 1-5.	0.1	7
20	New high-density environmentally clean polyurethane materials with binary plasticizers. Russian Journal of Applied Chemistry, 2010, 83, 1355-1359.	0.1	6
21	Chemical structure of fibers of ultra-high-molecular-weight polyethylene upon ion-beam treatment and post-irradiation grafting of acrylic monomers. Russian Journal of Applied Chemistry, 2010, 83, 1403-1407.	0.1	6
22	Properties of ultra high molecular weight polyethylene fibers after ion beam treatment. Journal of Applied Polymer Science, 2011, 122, 1628-1633.	1.3	6
23	Influence of the composition of acrylamideâ€“acrylonitrileâ€“2-acrylamido-2-methylpropanesulfonic acid terpolymer on its resistance to high temperatures and salts. Russian Journal of Applied Chemistry, 2016, 89, 1296-1301.	0.1	6
24	Production of Isotropic Coke from Shale: Microstructure of Coke from the Thermally Oxidized Distillation Residue of Shale Tar. Coke and Chemistry, 2018, 61, 433-446.	0.0	6
25	Preparation and Properties of Frost-Resistant Materials Based on Compounds of Oligoether Urethane Epoxides and Diglycidyl Urethane. Russian Journal of Applied Chemistry, 2018, 91, 1937-1944.	0.1	6
26	Behavior in a humid medium of segmented polyurethane-ureas with dissimilar thermodynamically compatible and incompatible flexible blocks. Russian Journal of Applied Chemistry, 2010, 83, 1360-1366.	0.1	5
27	Structure and properties of segmented polyurethane-ureas with dissimilar soft blocks. Russian Journal of Applied Chemistry, 2010, 83, 1380-1384.	0.1	5
28	Frost-Resistant Epoxy-Urethane Binders Containing Diglycidyl Urethane. International Journal of Polymer Science, 2019, 2019, 1-7.	1.2	5
29	Three scenarios of freezing of liquid marbles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128125.	2.3	5
30	A Study of Mercury Dissolution in Aqueous Solutions of Sodium Hypochlorite. Russian Journal of Applied Chemistry, 2005, 78, 546-548.	0.1	4
31	Influence of air-blowing conditions on the properties of pitches and microstructure of pitch cokes. Coke and Chemistry, 2014, 57, 359-368.	0.0	4
32	The Effect of the Isocyanateâ€“Hydroxyl Ratio on the Structure and Properties of Hard Polyurethanes. Polymer Science - Series D, 2018, 11, 292-296.	0.2	4
33	Production of Isotropic Coke from Shale: Characteristics of Coke from Thermally Oxidized Tar-Distillation Residue. Coke and Chemistry, 2019, 62, 5-11.	0.0	3
34	Synthesis of oligotetramethylene oxides with terminal amino groups as curing agents for an epoxyurethane oligomer. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 511-515.	0.3	3
35	Silver nanocomposites based on copolymers of N,N-diallyl-Nâ€™-acetylhydrazine with N-vinylpyrrolidone. Russian Chemical Bulletin, 2021, 70, 1706-1712.	0.4	3
36	Frost-resistant polyurethane compositions with a low temperature coefficient of Youngâ€™s modulus. Russian Journal of Applied Chemistry, 2010, 83, 1345-1351.	0.1	2

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37	Steric stabilization and functionalization of magnetite particles and preparation of colloid magnetite dispersions in oligomeric media. Russian Journal of Applied Chemistry, 2010, 83, 1399-1402.	0.1	2
38	Study of the effect of organo-substituted trialkoxysilanes on the textural and structural properties of mesoporous silica. Russian Journal of Inorganic Chemistry, 2012, 57, 1134-1140.	0.3	2
39	Heterogeneous polymer materials based on oligodienetetraurethanediepoxide and oligoetherdiisocyanate. Polymer Science - Series D, 2013, 6, 5-8.	0.2	2
40	Study of structuring of surface-modified technical-grade carbon particles with metal oxides in oligo(divinyl-isoprene). Russian Journal of Applied Chemistry, 2013, 86, 772-776.	0.1	2
41	Analysis and comparison of properties of air-blown and of thermally treated pitches. Coke and Chemistry, 2015, 58, 23-31.	0.0	2
42	Preparation and magnetic characteristics of mesoporous nickel oxideâ€“silica composites. Inorganic Materials, 2016, 52, 909-914.	0.2	2
43	Computational description of morphology of dispersive componentsâ€™ spatial structures in polymer composites. Journal of Composite Materials, 2016, 50, 2433-2442.	1.2	2
44	Production of Isotropic Coke from Shale: Composition of Oxidation Products from Shale-Tar Distillation Residues. Coke and Chemistry, 2018, 61, 489-498.	0.0	2
45	Synthesis, Structure, and Magnetic Characteristics of Mesoporous Fe2O3â€“SiO2 Composites. Inorganic Materials, 2019, 55, 673-680.	0.2	2
46	Production of Isotropic Coal from Shale-Waste Oil. Coke and Chemistry, 2019, 62, 565-570.	0.0	2
47	Microheterogeneous Polyetherhydroxylurethane Elastomers with Controlled Phase Structure for Structural Adhesives. Russian Journal of Applied Chemistry, 2019, 92, 1342-1350.	0.1	2
48	Synthesis and Study of Physical and Mechanical Properties of Urethane-Containing Elastomers Based on Epoxyurethane Oligomers with Controlled Crystallinity. Polymers, 2022, 14, 2136.	2.0	2
49	Concentration of trace amounts of butyl alcohol, butyl acrylate, and acrylic acid from water by distillation. Russian Journal of Applied Chemistry, 2007, 80, 582-585.	0.1	1
50	A study of the corrosion-electrochemical behavior of mercury in alkaline solutions of sodium hypochlorite. Russian Journal of Applied Chemistry, 2009, 82, 857-861.	0.1	1
51	The effect of composition of the reaction medium on the structural-textural characteristics of mesoporous silicon dioxide. Russian Journal of Applied Chemistry, 2010, 83, 1413-1416.	0.1	1
52	Study of gel formation by a water-containing composition based on a polyacrylamide solution and nitrocellulose. Russian Journal of Applied Chemistry, 2010, 83, 1422-1424.	0.1	1
53	The Moisture Sorption and Mechanical Behaviour in a Humid Atmosphere of Polyurethane Urea with Mixed Polar and Non-Polar Flexible Blocks. International Polymer Science and Technology, 2013, 40, 21-24.	0.1	1
54	Antiturbulent properties of sulfomethylated polyacrylamide under the conditions of thermal, salt, and acid aggressions. Russian Journal of Applied Chemistry, 2017, 90, 1357-1364.	0.1	1

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55	A Generalized High-Elasticity Model to Describe the Stress-Strain Dependence for Polyurethane Elastomers When Stretched at a Constant Rate. Journal of Macromolecular Science - Physics, 2018, 57, 196-209.	0.4	1
56	Cytotoxic activity of silver nanocomposites based on N, N-diallyl-Nâ€²-acylhydrazines copolymers. Russian Chemical Bulletin, 2021, 70, 469-474.	0.4	1
57	Computer Simulation of Nanoparticle Evolution in the Mesoporous Structures. Journal of Physics: Conference Series, 2007, 61, 1212-1215.	0.3	0
58	Dynamics of nanopore structure formation in the carbonization of carbon-containing materials. Solid Fuel Chemistry, 2009, 43, 103-108.	0.2	0
59	Studies of elastomer swelling process in liquid mediums. Polymer Science - Series D, 2009, 2, 178-179.	0.2	0
60	A study of properties of porous carbon based on phenol-formaldehyde resin with carbohydrates. Russian Journal of Applied Chemistry, 2010, 83, 1385-1389.	0.1	0
61	A study of water-sorption characteristics of filled acrylic copolymers. Russian Journal of Applied Chemistry, 2010, 83, 1390-1393.	0.1	0
62	A study of structuring of a microdisperse filler in oligomer formulations in a flow. Russian Journal of Applied Chemistry, 2010, 83, 1394-1398.	0.1	0
63	Rheological properties and flow of filled oligomeric compounds in highly porous cellular materials. Russian Journal of Applied Chemistry, 2010, 83, 1417-1421.	0.1	0
64	Behaviour of Segmented Polyether Urethane Urea in a Humid Atmosphere after Mechanical Loading. International Polymer Science and Technology, 2011, 38, 45-49.	0.1	0
65	Influence of Moisture Sorption on the Physical and Mechanical Properties of Plasticised Poly(Ether) Tj ETQq1 1 0.784314 rgBT /Overlo	0.1	0
66	High-Density Thermoplastic Polyurethane Composites with Low-Melting Diurethane Plasticisers. International Polymer Science and Technology, 2011, 38, 29-31.	0.1	0
67	Study of chemical bond formation in oligodieneurethane epoxide in its interaction with encapsulated dicarboxylic acid. Russian Journal of Applied Chemistry, 2011, 84, 1067-1070.	0.1	0
68	Polyacrylamide in the technologies of utilization of nitrocellulose manufacturing wastes. Russian Journal of General Chemistry, 2014, 84, 2320-2324.	0.3	0
69	Influence of Medium Parameters and Acrylate Ionic Terpolymer Concentration on the Toms Effect. Russian Journal of Applied Chemistry, 2017, 90, 1826-1832.	0.1	0
70	Extraction of triply charged metal cations in aqueous phase-separating system antipyrineâ€“sulfosalicylic acidâ€“water. Russian Chemical Bulletin, 2019, 68, 1843-1847.	0.4	0
71	Reokinetics of urethane epoxy oligomers hardening and formation of cold curing adhesive compositions based on them. IOP Conference Series: Materials Science and Engineering, 2019, 656, 012055.	0.3	0
72	Synthesis and Structural Properties of Hybrid Powder Materials Based on Colloidal Silica and Silver Iodide. Inorganic Materials, 2020, 56, 815-819.	0.2	0

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73	Rheological Properties of Epoxy Urethane Oligomers and Đ¡uring Kinetics of Polymer Composites on Their Basis. Inorganic Materials: Applied Research, 2020, 11, 147-153.	0.1	0
74	A New Method to Identify Rubbers and Elastomers using Swelling in Various Solvents. Polymer Science - Series A, 0, , 1.	0.4	0