

# Vladimir Strelnikov

## List of Publications by Citations

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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

334  
citations

10  
h-index

16  
g-index

74  
ext. papers

380  
ext. citations

1.5  
avg, IF

3.29  
L-index

#	Paper	IF	Citations
74	Revisiting the surface tension of liquid marbles: Measurement of the effective surface tension of liquid marbles with the pendant marble method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 425, 15-23	5.1	55
73	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. <i>Langmuir</i> , <b>2016</b> , 32, 4134-40	4	26
72	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. <i>Advanced Engineering Materials</i> , <b>2014</b> , 16, 1127-1132	3.5	24
71	Synthesis of Indoles by Domino Reaction of 2-(Tosylamino)benzyl Alcohols with Furfurylamines: Two Opposite Reactivity Modes of the $\beta$ -Carbon of the Furan Ring in One Process. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 2508-2515	3.2	15
70	Liquid marbles containing petroleum and their properties. <i>Petroleum Science</i> , <b>2015</b> , 12, 340-344	4.4	13
69	Photo-induced electric polarizability of Fe <sub>3</sub> O <sub>4</sub> nanoparticles in weak optical fields. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 317	5	13
68	Effect of organic-silane additives on textural/structural properties of mesoporous silicate materials. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 153, 275-281	5.3	11
67	Agglomeration of the condensed phase of energetic condensed systems containing modified aluminum. <i>Combustion, Explosion and Shock Waves</i> , <b>2012</b> , 48, 694-698	1	11
66	Robust icephobic coating based on the spiky fluorinated AlO particles. <i>Scientific Reports</i> , <b>2021</b> , 11, 5394	4.9	11
65	Preparation and Properties of Frost-Resistant Room-Temperature-Curable Compounds Based on Oligoether-tetraurethane Diepoxides of Various Chemical Structures. <i>Russian Journal of Applied Chemistry</i> , <b>2018</b> , 91, 463-468	0.8	10
64	Production of isotropic coke in industrial trials. <i>Coke and Chemistry</i> , <b>2014</b> , 57, 202-207	0.5	9
63	Synthetic pitches based on the anthracene fraction of coal tar. <i>Coke and Chemistry</i> , <b>2014</b> , 57, 429-439	0.5	9
62	Production of isotropic coke by thermocracking of the anthracene fraction of coal tar. <i>Coke and Chemistry</i> , <b>2014</b> , 57, 98-105	0.5	8
61	Curing of epoxy-anhydride formulations in the presence of imidazoles. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1408-1412	0.8	8
60	Synthesis by radical polymerization and structure of drag reducing terpolymers based on acrylamide, acrylonitrile, and 2-acrylamido-2-methylpropanesulfonic acid. <i>Russian Journal of Applied Chemistry</i> , <b>2017</b> , 90, 1524-1531	0.8	7
59	A simple synthesis of benzofurans by acid-catalyzed domino reaction of salicyl alcohols with N-tosylfurfurylamine. <i>Tetrahedron</i> , <b>2017</b> , 73, 6523-6529	2.4	6
58	Properties of ultra high molecular weight polyethylene fibers after ion beam treatment. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 1628-1633	2.9	6

57	New high-density environmentally clean polyurethane materials with binary plasticizers. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1355-1359	0.8	6
56	Chemical structure of fibers of ultra-high-molecular-weight polyethylene upon ion-beam treatment and post-irradiation grafting of acrylic monomers. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1403-1407	0.8	6
55	Production of Isotropic Coke from Shale: Microstructure of Coke from the Thermally Oxidized Distillation Residue of Shale Tar. <i>Coke and Chemistry</i> , <b>2018</b> , 61, 433-446	0.5	6
54	Preparation and Properties of Frost-Resistant Materials Based on Compounds of Oligoether Urethane Epoxides and Diglycidyl Urethane. <i>Russian Journal of Applied Chemistry</i> , <b>2018</b> , 91, 1937-1944	0.8	6
53	Behavior in a humid medium of segmented polyurethane-ureas with dissimilar thermodynamically compatible and incompatible flexible blocks. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1360-1366	0.8	5
52	Influence of the composition of acrylamide-acrylonitrile-acrylamido-2-methylpropanesulfonic acid terpolymer on its resistance to high temperatures and salts. <i>Russian Journal of Applied Chemistry</i> , <b>2016</b> , 89, 1296-1301	0.8	5
51	Frost-Resistant Epoxy-Urethane Binders Containing Diglycidyl Urethane. <i>International Journal of Polymer Science</i> , <b>2019</b> , 2019, 1-7	2.4	4
50	Influence of air-blowing conditions on the properties of pitches and microstructure of pitch cokes. <i>Coke and Chemistry</i> , <b>2014</b> , 57, 359-368	0.5	4
49	Preparation of mesoporous silicon dioxide with high specific surface area. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 1-5	0.8	4
48	A Study of Mercury Dissolution in Aqueous Solutions of Sodium Hypochlorite. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 546-548	0.8	4
47	Production of Isotropic Coke from Shale: Characteristics of Coke from Thermally Oxidized Tar-Distillation Residue. <i>Coke and Chemistry</i> , <b>2019</b> , 62, 5-11	0.5	3
46	The Effect of the Isocyanate-Hydroxyl Ratio on the Structure and Properties of Hard Polyurethanes. <i>Polymer Science - Series D</i> , <b>2018</b> , 11, 292-296	0.4	3
45	Structure and properties of segmented polyurethane-ureas with dissimilar soft blocks. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1380-1384	0.8	3
44	Stability of the dispersed system in inverse emulsion polymerization of ionic acrylate monomers. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 1127	2.4	3
43	Heterogeneous polymer materials based on oligodienetetraurethanediepoxy and oligoetherdiisocyanate. <i>Polymer Science - Series D</i> , <b>2013</b> , 6, 5-8	0.4	2
42	Study of the effect of organo-substituted trialkoxysilanes on the textural and structural properties of mesoporous silica. <i>Russian Journal of Inorganic Chemistry</i> , <b>2012</b> , 57, 1134-1140	1.5	2
41	Steric stabilization and functionalization of magnetite particles and preparation of colloid magnetite dispersions in oligomeric media. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1399-1402	0.8	2
40	Microheterogeneous Polyetherhydroxylurethane Elastomers with Controlled Phase Structure for Structural Adhesives. <i>Russian Journal of Applied Chemistry</i> , <b>2019</b> , 92, 1342-1350	0.8	2

39	Three scenarios of freezing of liquid marbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 636, 128125	5.1	2
38	Preparation and magnetic characteristics of mesoporous nickel oxide/silica composites. <i>Inorganic Materials</i> , <b>2016</b> , 52, 909-914	0.9	2
37	Production of Isotropic Coal from Shale-Waste Oil. <i>Coke and Chemistry</i> , <b>2019</b> , 62, 565-570	0.5	2
36	Production of Isotropic Coke from Shale: Composition of Oxidation Products from Shale-Tar Distillation Residues. <i>Coke and Chemistry</i> , <b>2018</b> , 61, 489-498	0.5	2
35	Synthesis of oligotetramethylene oxides with terminal amino groups as curing agents for an epoxyurethane oligomer. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2021</b> ,	1	2
34	Analysis and comparison of properties of air-blown and of thermally treated pitches. <i>Coke and Chemistry</i> , <b>2015</b> , 58, 23-31	0.5	1
33	A Generalized High-Elasticity Model to Describe the Stress-Strain Dependence for Polyurethane Elastomers When Stretched at a Constant Rate. <i>Journal of Macromolecular Science - Physics</i> , <b>2018</b> , 57, 196-209	1.4	1
32	Synthesis, Structure, and Magnetic Characteristics of Mesoporous Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> Composites. <i>Inorganic Materials</i> , <b>2019</b> , 55, 673-680	0.9	1
31	Study of structuring of surface-modified technical-grade carbon particles with metal oxides in oligo(divinyl-isoprene). <i>Russian Journal of Applied Chemistry</i> , <b>2013</b> , 86, 772-776	0.8	1
30	Antiturbulent properties of sulfomethylated polyacrylamide under the conditions of thermal, salt, and acid aggressions. <i>Russian Journal of Applied Chemistry</i> , <b>2017</b> , 90, 1357-1364	0.8	1
29	Frost-resistant polyurethane compositions with a low temperature coefficient of Young's modulus. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1345-1351	0.8	1
28	The effect of composition of the reaction medium on the structural-textural characteristics of mesoporous silicon dioxide. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1413-1416	0.8	1
27	Study of gel formation by a water-containing composition based on a polyacrylamide solution and nitrocellulose. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1422-1424	0.8	1
26	Concentration of trace amounts of butyl alcohol, butyl acrylate, and acrylic acid from water by distillation. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 582-585	0.8	1
25	Silver nanocomposites based on copolymers of N,N-diallyl-N- $\epsilon$ -acetylhydrazine with N-vinylpyrrolidone. <i>Russian Chemical Bulletin</i> , <b>2021</b> , 70, 1706-1712	1.7	1
24	Effect of asymmetric cooling of sessile droplets on orientation of the freezing tip.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 620, 179-186	9.3	1
23	Synthesis and Study of Physical and Mechanical Properties of Urethane-Containing Elastomers Based on Epoxyurethane Oligomers with Controlled Crystallinity. <i>Polymers</i> , <b>2022</b> , 14, 2136	4.5	1
22	Computational description of morphology of dispersive components'spatial structures in polymer composites. <i>Journal of Composite Materials</i> , <b>2016</b> , 50, 2433-2442	2.7	0

21	The Moisture Sorption and Mechanical Behaviour in a Humid Atmosphere of Polyurethane Urea with Mixed Polar and Non-Polar Flexible Blocks. <i>International Polymer Science and Technology</i> , <b>2013</b> , 40, 21-24	0
20	Cytotoxic activity of silver nanocomposites based on N, N-diallyl-N'-acylhydrazines copolymers. <i>Russian Chemical Bulletin</i> , <b>2021</b> , 70, 469-474	1.7 0
19	Extraction of triply charged metal cations in aqueous phase-separating system antipyrine-sulfosalicylic acid-water. <i>Russian Chemical Bulletin</i> , <b>2019</b> , 68, 1843-1847	1.7
18	Rheological Properties of Epoxy Urethane Oligomers and Curing Kinetics of Polymer Composites on Their Basis. <i>Inorganic Materials: Applied Research</i> , <b>2020</b> , 11, 147-153	0.6
17	Influence of Medium Parameters and Acrylate Ionic Terpolymer Concentration on the Toms Effect. <i>Russian Journal of Applied Chemistry</i> , <b>2017</b> , 90, 1826-1832	0.8
16	Polyacrylamide in the technologies of utilization of nitrocellulose manufacturing wastes. <i>Russian Journal of General Chemistry</i> , <b>2014</b> , 84, 2320-2324	0.7
15	Behaviour of Segmented Polyether Urethane Urea in a Humid Atmosphere after Mechanical Loading. <i>International Polymer Science and Technology</i> , <b>2011</b> , 38, 45-49	
14	Influence of Moisture Sorption on the Physical and Mechanical Properties of Plasticised Poly(Ether Urethane Ureas). <i>International Polymer Science and Technology</i> , <b>2011</b> , 38, 33-37	
13	High-Density Thermoplastic Polyurethane Composites with Low-Melting Diurethane Plasticisers. <i>International Polymer Science and Technology</i> , <b>2011</b> , 38, 29-31	
12	Study of chemical bond formation in oligodieneurethane epoxide in its interaction with encapsulated dicarboxylic acid. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 1067-1070	0.8
11	Dynamics of nanopore structure formation in the carbonization of carbon-containing materials. <i>Solid Fuel Chemistry</i> , <b>2009</b> , 43, 103-108	0.7
10	A study of the corrosion-electrochemical behavior of mercury in alkaline solutions of sodium hypochlorite. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 857-861	0.8
9	Studies of elastomer swelling process in liquid mediums. <i>Polymer Science - Series D</i> , <b>2009</b> , 2, 178-179	0.4
8	A study of properties of porous carbon based on phenol-formaldehyde resin with carbohydrates. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1385-1389	0.8
7	A study of water-sorption characteristics of filled acrylic copolymers. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1390-1393	0.8
6	A study of structuring of a microdisperse filler in oligomer formulations in a flow. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1394-1398	0.8
5	Rheological properties and flow of filled oligomeric compounds in highly porous cellular materials. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1417-1421	0.8
4	Computer Simulation of Nanoparticle Evolution in the Mesoporous Structures. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 61, 1212-1215	0.3

- 3 A New Method to Identify Rubbers and Elastomers using Swelling in Various Solvents. *Polymer Science - Series A*,1 1.2
- 2 Synthesis and Structural Properties of Hybrid Powder Materials Based on Colloidal Silica and Silver Iodide. *Inorganic Materials*, **2020**, 56, 815-819 0.9
- 1 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<sup>0.4</sup>