

Viktor A Valtsifer

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.

61

papers

327

citations

10

h-index

16

g-index

62

ext. papers

387

ext. citations

2.1

avg, IF

3.32

L-index

#	Paper	IF	Citations
61	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> , 2013 , 425, 15-23	5.1	55
60	Influence of the Type of Contact between Particles Joined by a Liquid Bridge on the Capillary Cohesive Forces. <i>Colloid Journal</i> , 2003 , 65, 385-389	1.1	33
59	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. <i>Langmuir</i> , 2016 , 32, 4134-40	4	26
58	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. <i>Advanced Engineering Materials</i> , 2014 , 16, 1127-1132	3.5	24
57	Superposition of Translational and Rotational Motions under Self-Propulsion of Liquid Marbles Filled with Aqueous Solutions of Camphor. <i>Langmuir</i> , 2017 , 33, 13234-13241	4	17
56	Drop-wise and film-wise water condensation processes occurring on metallic micro-scaled surfaces. <i>Applied Surface Science</i> , 2018 , 444, 604-609	6.7	14
55	Photo-induced electric polarizability of Fe ₃ O ₄ nanoparticles in weak optical fields. <i>Nanoscale Research Letters</i> , 2013 , 8, 317	5	13
54	Effect of organic-silane additives on textural/structural properties of mesoporous silicate materials. <i>Microporous and Mesoporous Materials</i> , 2012 , 153, 275-281	5.3	11
53	Agglomeration of the condensed phase of energetic condensed systems containing modified aluminum. <i>Combustion, Explosion and Shock Waves</i> , 2012 , 48, 694-698	1	11
52	Robust icephobic coating based on the spiky fluorinated AlO particles. <i>Scientific Reports</i> , 2021 , 11, 5394	4.9	11
51	Production of isotropic coke in industrial trials. <i>Coke and Chemistry</i> , 2014 , 57, 202-207	0.5	9
50	Synthetic pitches based on the anthracene fraction of coal tar. <i>Coke and Chemistry</i> , 2014 , 57, 429-439	0.5	9
49	Production of isotropic coke by thermocracking of the anthracene fraction of coal tar. <i>Coke and Chemistry</i> , 2014 , 57, 98-105	0.5	8
48	Plasma treatment of silicone oil- infused surfaces switches impact of water droplets from bouncing to tanner-like spreading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 538, 133-139	5.1	7
47	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> , 2017 , 90, 1524-1531	0.8	7
46	Spontaneous Decomposition of Industrially Manufactured Sodium Hypochlorite Solutions. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 541-545	0.8	6
45	Hydrothermal synthesis of urchin-like alumina for fire-extinguishing powders. <i>Journal of Materials Science</i> , 2018 , 53, 3915-3926	4.3	6

44	Hydrophobized Silicas as Functional Fillers of Fire-Extinguishing Powders. <i>Inorganic Materials</i> , 2018 , 54, 1078-1083	0.9	6
43	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> , 2016 , 89, 1296-1301	0.8	5
42	Study of the effect of ammonium sulfate additives on the structure and photocatalytic activity of titanium dioxide. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 547-554	0.8	4
41	Influence of air-blowing conditions on the properties of pitches and microstructure of pitch cokes. <i>Coke and Chemistry</i> , 2014 , 57, 359-368	0.5	4
40	Preparation of mesoporous silicon dioxide with high specific surface area. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 1-5	0.8	4
39	A Study of Mercury Dissolution in Aqueous Solutions of Sodium Hypochlorite. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 546-548	0.8	4
38	Mesoporous Hydrophobic Silica Nanoparticles as Flow-Enhancing Additives for Fire and Explosion Suppression Formulations. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2221-2233	5.6	3
37	Formation and structural phase transitions of mesoporous Al ₂ O ₃ and TiO ₂ /Al ₂ O ₃ xerogels under hydrothermal conditions. <i>Inorganic Materials</i> , 2016 , 52, 1002-1009	0.9	3
36	Statistical packing of equal spheres. <i>Advanced Powder Technology</i> , 1999 , 10, 399-403	4.6	3
35	Stability of the dispersed system in inverse emulsion polymerization of ionic acrylate monomers. <i>Colloid and Polymer Science</i> , 2021 , 299, 1127	2.4	3
34	Interfacial crystallization at the intersection of thermodynamic and geometry. <i>Advances in Colloid and Interface Science</i> , 2021 , 296, 102510	14.3	3
33	Synthesis and properties of magnetic superhydrophobic mesoporous Fe ₂ O ₃ /BiO ₂ composites. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1960-1968	0.8	2
32	Study of the effect of organo-substituted trialkoxysilanes on the textural and structural properties of mesoporous silica. <i>Russian Journal of Inorganic Chemistry</i> , 2012 , 57, 1134-1140	1.5	2
31	Manufacturing, Properties, and Application of Nanosized Superhydrophobic Spherical Silicon Dioxide Particles as a Functional Additive to Fire Extinguishing Powders. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 11905-11914	3.9	2
30	Analysis and comparison of properties of air-blown and of thermally treated pitches. <i>Coke and Chemistry</i> , 2015 , 58, 23-31	0.5	1
29	Reduction of the hydrodynamic resistance to turbulent water flow with copolymers of acrylamide, acrylonitrile, and 2-acrylamido-2-methylpropanesulfonic acid. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1494-1499	0.8	1
28	Synthesis, Structure, and Magnetic Characteristics of Mesoporous Fe ₂ O ₃ /BiO ₂ Composites. <i>Inorganic Materials</i> , 2019 , 55, 673-680	0.9	1
27	Control over Rheological Properties of Powdered Formulations Based on Phosphate-Ammonium Salts and Hydrophobized Silicon Oxide. <i>Russian Journal of Applied Chemistry</i> , 2017 , 90, 1592-1597	0.8	1

26	Antiturbulent properties of sulfomethylated polyacrylamide under the conditions of thermal, salt, and acid aggressions. <i>Russian Journal of Applied Chemistry</i> , 2017 , 90, 1357-1364	0.8	1
25	Mercury passivation solutions of potassium chloride and sodium hydroxide and hypochlorite. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 52-56	0.8	1
24	Study of gel formation by a water-containing composition based on a polyacrylamide solution and nitrocellulose. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 1422-1424	0.8	1
23	Influence of the temperature-time conditions on the textural and structural properties of mesoporous silicon dioxide synthesized in an ammonia-alcohol medium. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 1425-1428	0.8	1
22	Concentration of trace amounts of butyl alcohol, butyl acrylate, and acrylic acid from water by distillation. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 582-585	0.8	1
21	Capillary moisture content of a number of powders of varied nature. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1924-1929	0.8	1
20	Gas-Chromatographic Determination of Acrylic Acid in Aqueous Solutions. <i>Russian Journal of Applied Chemistry</i> , 2002 , 75, 1427-1429	0.8	1
19	Preparation and Properties of Iron Oxide Doped Mesoporous Silica Systems. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 2081-2088	3.2	1
18	Computational description of morphology of dispersive components spatial structures in polymer composites. <i>Journal of Composite Materials</i> , 2016 , 50, 2433-2442	2.7	0
17	Surface Modification of Magnetic Mesoporous Systems with Aminopropyl Groups and Their Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1347-1358	3.2	0
16	The Influence Preparation Way on Properties Powders AgI- SiO ₂ . <i>Silicon</i> , 2021 , 1, 1-10	2.4	0
15	Thermophoretic levitation of solid particles at atmospheric pressure. <i>Advanced Powder Technology</i> , 2022 , 33, 103497	4.6	0
14	Influence of Medium Parameters and Acrylate Ionic Terpolymer Concentration on the Toms Effect. <i>Russian Journal of Applied Chemistry</i> , 2017 , 90, 1826-1832	0.8	
13	Polyacrylamide in the technologies of utilization of nitrocellulose manufacturing wastes. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2320-2324	0.7	
12	Study of chemical bond formation in oligodieneurethane epoxide in its interaction with encapsulated dicarboxylic acid. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1067-1070	0.8	
11	A study of structuring of a microdisperse filler in oligomer formulations in a flow. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 1394-1398	0.8	
10	Rheological properties and flow of filled oligomeric compounds in highly porous cellular materials. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 1417-1421	0.8	
9	Computer Simulation of Nanoparticle Evolution in the Mesoporous Structures. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 1212-1215	0.3	

- 8 Influence of the Chemical Structure of Oligodienourethanoepoxide on Its Rheological Properties. *Russian Journal of Applied Chemistry*, **2004**, 77, 319-322 0.8
- 7 Rheological and Electrical Properties of an Oligomeric Formulation as Influenced by Fractional Composition of Conducting Filler. *Russian Journal of Applied Chemistry*, **2003**, 76, 1659-1661 0.8
- 6 Gas-Chromatographic Determination of Butanol and Butyl Acrylate in Aqueous Solutions with the Use of Headspace Analysis. *Journal of Analytical Chemistry*, **2003**, 58, 67-70 1.1
- 5 Curing of Epoxy-containing Oligomers with Oxidized Carbon Black. *Russian Journal of Applied Chemistry*, **2005**, 78, 633-635 0.8
- 4 Simulation of statistical packings of spherical particles. *Journal of Engineering Physics and Thermophysics*, **1992**, 63, 705-707 0.6
- 3 Calculation of metal particle coordination numbers in mixed condensed systems. *Combustion, Explosion and Shock Waves*, **1990**, 25, 440-442 1
- 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 The Formation and Structural and Phase Transformations of Aluminum Hydroxy Species in Hydrothermal Synthesis under Conditions of Homogeneous Precipitation from Sulfate Solution. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 1131-1140 1.5