

# Viktor A Valtsifer

## List of Publications by Year in Descending Order

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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	Thermophoretic levitation of solid particles at atmospheric pressure. <i>Advanced Powder Technology</i> , <b>2022</b> , 33, 103497	4.6	0
60	Robust icephobic coating based on the spiky fluorinated AlO particles. <i>Scientific Reports</i> , <b>2021</b> , 11, 5394	4.9	11
59	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
58	Surface Modification of Magnetic Mesoporous Systems with Aminopropyl Groups and Their Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2021</b> , 31, 1347-1358	3.2	0
57	Manufacturing, Properties, and Application of Nanosized Superhydrophobic Spherical Silicon Dioxide Particles as a Functional Additive to Fire Extinguishing Powders. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 11905-11914	3.9	2
56	Interfacial crystallization at the intersection of thermodynamic and geometry. <i>Advances in Colloid and Interface Science</i> , <b>2021</b> , 296, 102510	14.3	3
55	Mesoporous Hydrophobic Silica Nanoparticles as Flow-Enhancing Additives for Fire and Explosion Suppression Formulations. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 2221-2233	5.6	3
54	Preparation and Properties of Iron Oxide Doped Mesoporous Silica Systems. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 2081-2088	3.2	1
53	Synthesis and Structural Properties of Hybrid Powder Materials Based on Colloidal Silica and Silver Iodide. <i>Inorganic Materials</i> , <b>2020</b> , 56, 815-819	0.9	
52	Synthesis, Structure, and Magnetic Characteristics of Mesoporous Fe <sub>2</sub> O <sub>3</sub> /BiO <sub>2</sub> Composites. <i>Inorganic Materials</i> , <b>2019</b> , 55, 673-680	0.9	1
51	Drop-wise and film-wise water condensation processes occurring on metallic micro-scaled surfaces. <i>Applied Surface Science</i> , <b>2018</b> , 444, 604-609	6.7	14
50	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> , <b>2018</b> , 538, 133-139	5.1	7
49	Hydrothermal synthesis of urchin-like alumina for fire-extinguishing powders. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 3915-3926	4.3	6
48	The Formation and Structural and Phase Transformations of Aluminum Hydroxy Species in Hydrothermal Synthesis under Conditions of Homogeneous Precipitation from Sulfate Solution. <i>Russian Journal of Inorganic Chemistry</i> , <b>2018</b> , 63, 1131-1140	1.5	
47	Hydrophobized Silicas as Functional Fillers of Fire-Extinguishing Powders. <i>Inorganic Materials</i> , <b>2018</b> , 54, 1078-1083	0.9	6
46	Superposition of Translational and Rotational Motions under Self-Propulsion of Liquid Marbles Filled with Aqueous Solutions of Camphor. <i>Langmuir</i> , <b>2017</b> , 33, 13234-13241	4	17
45	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

44	Control over Rheological Properties of Powdered Formulations Based on Phosphate-Ammonium Salts and Hydrophobized Silicon Oxide. <i>Russian Journal of Applied Chemistry</i> , <b>2017</b> , 90, 1592-1597	0.8	1
43	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	
42	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
41	Formation and structural phase transitions of mesoporous Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> xerogels under hydrothermal conditions. <i>Inorganic Materials</i> , <b>2016</b> , 52, 1002-1009	0.9	3
40	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> , <b>2016</b> , 89, 1494-1499	0.8	1
39	Synthesis and properties of magnetic superhydrophobic mesoporous Fe <sub>2</sub> O <sub>3</sub> /BiO <sub>2</sub> composites. <i>Russian Journal of Applied Chemistry</i> , <b>2016</b> , 89, 1960-1968	0.8	2
38	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
37	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
36	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. <i>Langmuir</i> , <b>2016</b> , 32, 4134-40	4	26
35	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
34	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. <i>Advanced Engineering Materials</i> , <b>2014</b> , 16, 1127-1132	3.5	24
33	Study of the effect of ammonium sulfate additives on the structure and photocatalytic activity of titanium dioxide. <i>Russian Journal of Applied Chemistry</i> , <b>2014</b> , 87, 547-554	0.8	4
32	Production of isotropic coke in industrial trials. <i>Coke and Chemistry</i> , <b>2014</b> , 57, 202-207	0.5	9
31	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
30	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
29	Synthetic pitches based on the anthracene fraction of coal tar. <i>Coke and Chemistry</i> , <b>2014</b> , 57, 429-439	0.5	9
28	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	
27	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

26	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
25	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
24	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
23	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
22	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	
21	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	
20	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	
19	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
18	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> , <b>2010</b> , 83, 1425-1428	0.8	1
17	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
16	Mercury passivation solutions of potassium chloride and sodium hydroxide and hypochlorite. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 52-56	0.8	1
15	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
14	Computer Simulation of Nanoparticle Evolution in the Mesoporous Structures. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 61, 1212-1215	0.3	
13	Capillary moisture content of a number of powders of varied nature. <i>Russian Journal of Applied Chemistry</i> , <b>2006</b> , 79, 1924-1929	0.8	1
12	Spontaneous Decomposition of Industrially Manufactured Sodium Hypochlorite Solutions. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 541-545	0.8	6
11	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
10	Curing of Epoxy-containing Oligomers with Oxidized Carbon Black. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 633-635	0.8	
9	Influence of the Chemical Structure of Oligodieneurethanoepoxide on Its Rheological Properties. <i>Russian Journal of Applied Chemistry</i> , <b>2004</b> , 77, 319-322	0.8	

8	Influence of the Type of Contact between Particles Joined by a Liquid Bridge on the Capillary Cohesive Forces. <i>Colloid Journal</i> , <b>2003</b> , 65, 385-389	1.1	33
7	Rheological and Electrical Properties of an Oligomeric Formulation as Influenced by Fractional Composition of Conducting Filler. <i>Russian Journal of Applied Chemistry</i> , <b>2003</b> , 76, 1659-1661	0.8	
6	Gas-Chromatographic Determination of Butanol and Butyl Acrylate in Aqueous Solutions with the Use of Headspace Analysis. <i>Journal of Analytical Chemistry</i> , <b>2003</b> , 58, 67-70	1.1	
5	Gas-Chromatographic Determination of Acrylic Acid in Aqueous Solutions. <i>Russian Journal of Applied Chemistry</i> , <b>2002</b> , 75, 1427-1429	0.8	1
4	Statistical packing of equal spheres. <i>Advanced Powder Technology</i> , <b>1999</b> , 10, 399-403	4.6	3
3	Simulation of statistical packings of spherical particles. <i>Journal of Engineering Physics and Thermophysics</i> , <b>1992</b> , 63, 705-707	0.6	
2	Calculation of metal particle coordination numbers in mixed condensed systems. <i>Combustion, Explosion and Shock Waves</i> , <b>1990</b> , 25, 440-442	1	
1	The Influence Preparation Way on Properties Powders Agl- SiO <sub>2</sub> . <i>Silicon</i> , 1	2.4	0