Viktor A Valtsifer

List of Publications by Year
in descending order

62	441	759055 12	794469 19
papers	citations	h-index	g-index

62	62	62	476
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	Title is missing!. Colloid Journal, 2003, 65, 385-389.	0.5	43
3	Superoleophobic Surfaces Obtained via Hierarchical Metallic Meshes. Langmuir, 2016, 32, 4134-4140.	1.6	31
4	Robust Technique Allowing the Manufacture of Superoleophobic (Omniphobic) Metallic Surfaces. Advanced Engineering Materials, 2014, 16, 1127-1132.	1.6	26
5	Drop-wise and film-wise water condensation processes occurring on metallic micro-scaled surfaces. Applied Surface Science, 2018, 444, 604-609.	3.1	19
6	Photo-induced electric polarizability of Fe3O4 nanoparticles in weak optical fields. Nanoscale Research Letters, 2013, 8, 317.	3.1	18
7	Superposition of Translational and Rotational Motions under Self-Propulsion of Liquid Marbles Filled with Aqueous Solutions of Camphor. Langmuir, 2017, 33, 13234-13241.	1.6	18
8	Mesoporous Hydrophobic Silica Nanoparticles as Flow-Enhancing Additives for Fire and Explosion Suppression Formulations. ACS Applied Nano Materials, 2020, 3, 2221-2233.	2.4	17
9	Robust icephobic coating based on the spiky fluorinated Al2O3 particles. Scientific Reports, 2021, 11, 5394.	1.6	17
10	Agglomeration of the condensed phase of energetic condensed systems containing modified aluminum. Combustion, Explosion and Shock Waves, 2012, 48, 694-698.	0.3	13
11	Effect of organic-silane additives on texturalâ€“structural properties of mesoporous silicate materials. Microporous and Mesoporous Materials, 2012, 153, 275-281.	2.2	13
12	Synthetic pitches based on the anthracene fraction of coal tar. Coke and Chemistry, 2014, 57, 429-439.	0.0	12
13	Plasma treatment of silicone oil- infused surfaces switches impact of water droplets from bouncing to tanner-like spreading. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 133-139.	2.3	11
14	Production of isotropic coke in industrial trials. Coke and Chemistry, 2014, 57, 202-207.	0.0	10
15	Hydrophobized Silicas as Functional Fillers of Fire-Extinguishing Powders. Inorganic Materials, 2018, 54, 1078-1083.	0.2	9
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	Manufacturing, Properties, and Application of Nanosized Superhydrophobic Spherical Silicon Dioxide Particles as a Functional Additive to Fire Extinguishing Powders. Industrial & Engineering Chemistry Research, 2021, 60, 11905-11914.	1.8	9
18	Spontaneous Decomposition of Industrially Manufactured Sodium Hypochlorite Solutions. Russian Journal of Applied Chemistry, 2005, 78, 541-545.	0.1	8

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19	Production of isotropic coke by thermocracking of the anthracene fraction of coal tar. Coke and Chemistry, 2014, 57, 98-105.	0.0	8
20	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
21	Preparation of mesoporous silicon dioxide with high specific surface area. Russian Journal of Applied Chemistry, 2009, 82, 1-5.	0.1	7
22	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
23	Hydrothermal synthesis of urchin-like alumina for fire-extinguishing powders. Journal of Materials Science, 2018, 53, 3915-3926.	1.7	6
24	Interfacial crystallization at the intersection of thermodynamic and geometry. Advances in Colloid and Interface Science, 2021, 296, 102510.	7.0	6
25	Statistical packing of equal spheres. Advanced Powder Technology, 1999, 10, 399-403.	2.0	5
26	A Study of Mercury Dissolution in Aqueous Solutions of Sodium Hypochlorite. Russian Journal of Applied Chemistry, 2005, 78, 546-548.	0.1	4
27	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
28	Study of the effect of ammonium sulfate additives on the structure and photocatalytic activity of titanium dioxide. Russian Journal of Applied Chemistry, 2014, 87, 547-554.	0.1	4
29	Control over Rheological Properties of Powdered Formulations Based on Phosphate-Ammonium Salts and Hydrophobized Silicon Oxide. Russian Journal of Applied Chemistry, 2017, 90, 1592-1597.	0.1	4
30	Thermophoretic levitation of solid particles at atmospheric pressure. Advanced Powder Technology, 2022, 33, 103497.	2.0	4
31	Formation and structural phase transitions of mesoporous Al2O3 and TiO2/Al2O3 xerogels under hydrothermal conditions. Inorganic Materials, 2016, 52, 1002-1009.	0.2	3
32	Preparation and Properties of Iron Oxide Doped Mesoporous Silica Systems. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2081-2088.	1.9	3
33	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.	0.1	2
34	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
35	Analysis and comparison of properties of air-blown and of thermally treated pitches. Coke and Chemistry, 2015, 58, 23-31.	0.0	2
36	Synthesis and properties of magnetic superhydrophobic mesoporous Fe2O3â€“SiO2 composites. Russian Journal of Applied Chemistry, 2016, 89, 1960-1968.	0.1	2

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37	Computational description of morphology of dispersive componentsâ€™ spatial structures in polymer composites. Journal of Composite Materials, 2016, 50, 2433-2442.	1.2	2
38	Synthesis, Structure, and Magnetic Characteristics of Mesoporous Fe2O3â€“SiO2 Composites. Inorganic Materials, 2019, 55, 673-680.	0.2	2
39	Surface Modification of Magnetic Mesoporous Systems with Aminopropyl Groups and Their Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1347-1358.	1.9	2
40	Calculation of metal particle coordination numbers in mixed condensed systems. Combustion, Explosion and Shock Waves, 1990, 25, 440-442.	0.3	1
41	Gas-Chromatographic Determination of Acrylic Acid in Aqueous Solutions. Russian Journal of Applied Chemistry, 2002, 75, 1427-1429.	0.1	1
42	Capillary moisture content of a number of powders of varied nature. Russian Journal of Applied Chemistry, 2006, 79, 1924-1929.	0.1	1
43	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
44	Mercury passivation solutions of potassium chloride and sodium hydroxide and hypochlorite. Russian Journal of Applied Chemistry, 2009, 82, 52-56.	0.1	1
45	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
46	Influence of the temperature-time conditions on the textural and structural properties of mesoporous silicon dioxide synthesized in an ammonia-alcohol medium. Russian Journal of Applied Chemistry, 2010, 83, 1425-1428.	0.1	1
47	Reduction of the hydrodynamic resistance to turbulent water flow with copolymers of acrylamide, acrylonitrile, and 2-acrylamido-2-methylpropanesulfonic acid. Russian Journal of Applied Chemistry, 2016, 89, 1494-1499.	0.1	1
48	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
49	The Influence Preparation Way on Properties Powders AgI- SiO2. Silicon, 2022, 14, 5415-5425.	1.8	1
50	Simulation of statistical packings of spherical particles. Journal of Engineering Physics and Thermophysics, 1992, 63, 705-707.	0.2	0
51	Title is missing!. Journal of Analytical Chemistry, 2003, 58, 67-70.	0.4	0
52	Influence of the Chemical Structure of Oligodienourethanoepoxide on Its Rheological Properties. Russian Journal of Applied Chemistry, 2004, 77, 319-322.	0.1	0
53	Curing of Epoxy-containing Oligomers with Oxidized Carbon Black. Russian Journal of Applied Chemistry, 2005, 78, 633-635.	0.1	0
54	Computer Simulation of Nanoparticle Evolution in the Mesoporous Structures. Journal of Physics: Conference Series, 2007, 61, 1212-1215.	0.3	0

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55	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
56	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
57	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
58	Polyacrylamide in the technologies of utilization of nitrocellulose manufacturing wastes. Russian Journal of General Chemistry, 2014, 84, 2320-2324.	0.3	0
59	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
60	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.	0.3	0
61	Synthesis and Structural Properties of Hybrid Powder Materials Based on Colloidal Silica and Silver Iodide. Inorganic Materials, 2020, 56, 815-819.	0.2	0
62	Title is missing!. Industrial Laboratory (USSR) (English Translation of Zavodskaya Laboratoriya), 2000, 66, 440-441.	0.0	0