Vladimir Gun'ko

List of Publications by Year
in descending order

363	9,518	50276	82547
papers	citations	46 h-index	72 g-index

365	365	365	7181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and physicochemical properties of natural zeolites: clinoptilolite and mordenite. Microporous and Mesoporous Materials, 2006, 87, 243-254.	4.4	275
2	Cryogels: Morphological, structural and adsorption characterisation. Advances in Colloid and Interface Science, 2013, 187-188, 1-46.	14.7	250
3	Unusual properties of water at hydrophilic/hydrophobic interfaces. Advances in Colloid and Interface Science, 2005, 118, 125-172.	14.7	214
4	Aqueous suspension of fumed oxides: particle size distribution and zeta potential. Advances in Colloid and Interface Science, 2001, 91, 1-112.	14.7	198
5	Properties of Water Bound in Hydrogels. Gels, 2017, 3, 37.	4.5	162
6	Morphology and surface properties of fumed silicas. Journal of Colloid and Interface Science, 2005, 289, 427-445.	9.4	133
7	TSDC spectroscopy of relaxational and interfacial phenomena. Advances in Colloid and Interface Science, 2007, 131, 1-89.	14.7	124
8	Evaluation of slitlike porosity of carbon adsorbents. Carbon, 2004, 42, 843-849.	10.3	116
9	Composite materials: Textural characteristics. Applied Surface Science, 2014, 307, 444-454.	6.1	109
10	Driving Forces of Conformational Changes in Single-Layer Graphene Oxide. ACS Nano, 2012, 6, 3967-3973.	14.6	107
11	Adsorptive removal of acid, reactive and direct dyes from aqueous solutions and wastewater using mixed silicaâ€“alumina oxide. Powder Technology, 2015, 278, 306-315.	4.2	100
12	Temperature-programmed desorption of water from fumed silica, silica/titania, and silica/alumina. International Journal of Mass Spectrometry and Ion Processes, 1998, 172, 161-179.	1.8	98
13	Comparison of adsorption affinity of polyacrylic acid for surfaces of mixed silicaâ€“alumina. Colloid and Polymer Science, 2014, 292, 699-705.	2.1	98
14	Characterisation of pore structure of carbon adsorbents using regularisation procedure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 193, 71-83.	4.7	95
15	Adsorption of anionic and cationic dyes by activated carbons, PVA hydrogels, and PVA/AC composite. Journal of Colloid and Interface Science, 2011, 358, 582-592.	9.4	86
16	Mixed silica-alumina oxide as sorbent for dyes and metal ions removal from aqueous solutions and wastewaters. Microporous and Mesoporous Materials, 2017, 250, 128-147.	4.4	84
17	pH-driven physicochemical conformational changes of single-layer graphene oxide. Chemical Communications, 2011, 47, 9645.	4.1	83
18	Mechanism and Kinetics of Hexamethyldisilazane Reaction with a Fumed Silica Surface. Journal of Colloid and Interface Science, 2000, 228, 157-170.	9.4	82

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19	Effects of Molecular Weight below the Entanglement Threshold on Interfacial Nanoparticles/Polymer Dynamics. Macromolecules, 2016, 49, 9457-9473.	4.8	82
20	Characterization of Fumed Alumina/Silica/Titania in the Gas Phase and in Aqueous Suspension. Journal of Colloid and Interface Science, 1999, 220, 302-323.	9.4	80
21	Photon correlation spectroscopy investigations of proteins. Advances in Colloid and Interface Science, 2003, 105, 201-328.	14.7	80
22	Interaction of poly(ethylene oxide) with fumed silica. Journal of Colloid and Interface Science, 2004, 279, 326-340.	9.4	78
23	CVD-Titania on Fumed Silica Substrate. Journal of Colloid and Interface Science, 1998, 198, 141-156.	9.4	77
24	Structure of Hydrogen Bonds and1H NMR Spectra of Water at the Interface of Oxides. Langmuir, 1999, 15, 6405-6415.	3.5	77
25	Porous structure and water state in cross-linked polymer and protein cryo-hydrogels. Soft Matter, 2011, 7, 4276.	2.7	73
26	A multi-dimensional quasi-discrete model for the analysis of Diesel fuel droplet heating and evaporation. Fuel, 2014, 129, 238-266.	6.4	71
27	Fumed Silicas Possessing Different Morphology and Hydrophilicity. Journal of Colloid and Interface Science, 2001, 242, 90-103.	9.4	70
28	Magnesia formed on calcination of Mg(OH)2 prepared from natural bischofite. Applied Surface Science, 2006, 252, 4071-4082.	6.1	65
29	Morphology and molecular dynamics investigation of PDMS adsorbed on titania nanoparticles: Effects of polymer molecular weight. European Polymer Journal, 2016, 74, 64-80.	5.4	62
30	Structure of Fumed Titania and Silica/Titania and Influence of the Nature of Surface Sites on Interaction with Water. Journal of Colloid and Interface Science, 1997, 188, 39-57.	9.4	58
31	Structure of Chemical Vapor Deposition Titania/Silica Gel. Journal of Colloid and Interface Science, 1999, 218, 23-39.	9.4	58
32	Effects of chemosorbed arsenate groups on the mesoporous titania morphology and enhanced adsorption properties towards Sr(II) cations. Journal of Molecular Liquids, 2019, 282, 587-597.	4.9	58
33	Features of fumed silica coverage with silanes having three or two groups reacting with the surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 166, 187-201.	4.7	56
34	Investigation of the polyvinyl alcohol stabilization mechanism and adsorption properties on the surface of ternary mixed nanooxide AST 50 (Al2O3â€“SiO2â€“TiO2). Journal of Nanoparticle Research, 2015, 17, 12.	1.9	56
35	Active Site Nature of Pyrogenic Alumina/Silica and Water Bound to Surfaces. Langmuir, 1997, 13, 1529-1544.	3.5	55
36	Ag nanoparticles deposited onto silica, titania, and zirconia mesoporous films synthesized by solâ€“gel template method. Journal of Sol-Gel Science and Technology, 2009, 50, 216-228.	2.4	54

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37	Impact of Some Organics on Structural and Adsorptive Characteristics of Fumed Silica in Different Media. Langmuir, 2002, 18, 581-596.	3.5	53
38	Polydimethylsiloxane at the interfaces of fumed silica and zirconia/fumed silica. Applied Surface Science, 2007, 253, 7143-7156.	6.1	53
39	Adsorption and photocatalytic decomposition of methylene blue on surface modified silica and silica-titania. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 325, 17-20.	4.7	53
40	Distribution Effect of the Second Phase in Disperse Silica/X Oxides (X = Al2O3, TiO2, GeO2) on Their Surface Propertiesâ€. Langmuir, 1999, 15, 5694-5702.	3.5	52
41	Adsorption, NMR, and Thermally Stimulated Depolarization Current Methods for Comparative Analysis of Heterogeneous Solid and Soft Materials. Langmuir, 2007, 23, 3184-3192.	3.5	52
42	Interfacial phenomena at a surface of individual and complex fumed nanooxides. Advances in Colloid and Interface Science, 2016, 235, 108-189.	14.7	50
43	Influence of morphology and composition of fumed oxides on changes in their structural and adsorptive characteristics on hydrothermal treatment in steam phase at different temperatures. Journal of Colloid and Interface Science, 2004, 269, 403-424.	9.4	49
44	Morphology, crystallization and rigid amorphous fraction in PDMS adsorbed onto carbon nanotubes and graphite. Polymer, 2018, 139, 130-144.	3.8	49
45	Dielectric Properties and Dynamic Simulation of Water Bound to Titania/Silica Surfaces. Langmuir, 1995, 11, 2115-2120.	3.5	48
46	Characterization of fumed silicas and their interaction with water and dissolved proteins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 180, 87-101.	4.7	48
47	Functionalized silicas: Structural characteristics and adsorption of Cu(II) and Pb(II). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 307, 83-92.	4.7	47
48	Influence of Organics on the Structure of Water Adsorbed on Activated Carbons. Journal of Colloid and Interface Science, 2002, 253, 23-34.	9.4	46
49	Interaction of poly(vinyl pyrrolidone) with fumed silica in dry and wet powders and aqueous suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 233, 63-78.	4.7	45
50	Effect of polyacrylic acid (PAA) adsorption on stability of mixed aluminaâ€silica oxide suspension. Powder Technology, 2013, 233, 190-200.	4.2	45
51	Zeta Potential of Beta Zeolites: Influence of Structure, Acidity, pH, Temperature and Concentration. Molecules, 2018, 23, 946.	3.8	45
52	Effects of enhanced clusterization of water at a surface of partially silylated nanosilica on adsorption of cations and anions from aqueous media. Microporous and Mesoporous Materials, 2019, 277, 95-104.	4.4	45
53	The comparative characterization of structural heterogeneity of mesoporous activated carbon fibers (ACFs). Applied Surface Science, 2003, 206, 67-77.	6.1	44
54	Surface Properties of Mesoporous Carbonâ€“Silica Gel Adsorbents. Journal of Colloid and Interface Science, 2000, 223, 112-125.	9.4	43

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55	Structure of Silica Gel Si-60 and Pyrocarbon/Silica Gel Adsorbents Thermally and Hydrothermally Treated. Langmuir, 2001, 17, 3148-3161.	3.5	42
56	Structural characteristics of modified activated carbons and adsorption of explosives. Journal of Colloid and Interface Science, 2003, 266, 388-402.	9.4	42
57	Structural Characteristics of Activated Carbons and Ibuprofen Adsorption Affected by Bovine Serum Albumin. Langmuir, 2004, 20, 2837-2851.	3.5	42
58	Interaction of poly(ethylene glycol) with fumed silica and alumina/silica/titania. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 360, 220-231.	4.7	42
59	Interfacial phenomena in coreâ€“shell nanocomposites of PDMS adsorbed onto low specific surface area fumed silica nanooxides: Effects of surface modification. Polymer, 2015, 68, 158-167.	3.8	42
60	Aqueous Suspensions of Fumed Silica and Adsorption of Proteins. Journal of Colloid and Interface Science, 1997, 192, 166-178.	9.4	41
61	CVDâˆ'Titania/Silica Gel Carbonized Due to Pyrolysis of Cyclohexene. Langmuir, 2000, 16, 3227-3243.	3.5	41
62	Competitive adsorption. Theoretical and Experimental Chemistry, 2007, 43, 139-183.	0.8	41
63	Interfacial interactions and complex segmental dynamics in systems based on silica-polydimethylsiloxane coreâ€“shell nanoparticles: Dielectric and thermal study. Polymer, 2015, 58, 9-21.	3.8	41
64	Structural characteristics of a carbon adsorbent and influence of organic solvents on interfacial water. Applied Surface Science, 2003, 214, 178-189.	6.1	40
65	Interfacial behavior of concentrated HCl solution and water clustered at a surface of nanosilica in weakly polar solvents media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 390, 48-55.	4.7	40
66	Synthesis, Structural, and Adsorption Properties and Thermal Stability of Nanohydroxyapatite/Polysaccharide Composites. Nanoscale Research Letters, 2017, 12, 155.	5.7	40
67	Effect of water content on the characteristics of hydro-compacted nanosilica. Applied Surface Science, 2018, 459, 171-178.	6.1	40
68	Structural and Energetic Characteristics of Silicas Modified by Organosilicon Compounds. Journal of Colloid and Interface Science, 2002, 249, 123-133.	9.4	39
69	Experimental and Computational Studies of Trialkylaluminum and Alkylaluminum Chloride Reactions with Silica. Journal of Physical Chemistry B, 2005, 109, 5667-5677.	2.6	39
70	Morphology, Molecular Dynamics, and Interfacial Phenomena in Systems Based on Silica Modified by Grafting Polydimethylsiloxane Chains and Physically Adsorbed Polydimethylsiloxane. Macromolecules, 2019, 52, 2863-2877.	4.8	39
71	Carbon adsorbents from waste ion-exchange resins. Carbon, 2005, 43, 1143-1150.	10.3	38
72	Synthesis and characterization of Fe2O3/SiO2 nanocomposites. Journal of Colloid and Interface Science, 2009, 338, 376-388.	9.4	37

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73	Water Interactions with Hydrophobic versus Hydrophilic Nanosilica. Langmuir, 2018, 34, 12145-12153.	3.5	37
74	The effect of heat, adsorption and mechanochemical treatments on stuck structure and adsorption properties of fumed silicas. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 218, 125-135.	4.7	36
75	Surface electric and titration behaviour of fumed oxides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 240, 9-25.	4.7	36
76	Structured water in partially dehydrated yeast cells and at partially hydrophobized fumed silica surface. Journal of Colloid and Interface Science, 2005, 283, 329-343.	9.4	36
77	Weakly and strongly associated nonfreezable water bound in bones. Colloids and Surfaces B: Biointerfaces, 2006, 48, 167-175.	5.0	35
78	Morphological and chemical features of nano and macroscale carbons affecting hydrogen peroxide decomposition in aqueous media. Journal of Colloid and Interface Science, 2011, 361, 129-136.	9.4	35
79	Sugarcane bagasse and straw as low-cost lignocellulosic sorbents for the removal of dyes and metal ions from water. Cellulose, 2020, 27, 8181-8197.	4.9	35
80	Relationships between surface compositions and properties of surfaces of mixed fumed oxides. Applied Surface Science, 2007, 253, 3215-3230.	6.1	34
81	Morphological and structural features of individual and composite nanooxides with alumina, silica, and titania in powders and aqueous suspensions. Powder Technology, 2009, 195, 245-258.	4.2	34
82	Highly Dispersed X /SiO 2 and C/ X /SiO 2 (X =Alumina, Titania, Alumina/Titania) in the Gas and Liquid Media. Journal of Colloid and Interface Science, 2000, 230, 396-409.	9.4	33
83	Surface structure and properties of mixed fumed oxides. Journal of Colloid and Interface Science, 2007, 314, 119-130.	9.4	33
84	Well-defined silica coreâ€“poly(vinyl pyrrolidone) shell nanoparticles: Interactions and multi-modal glass transition dynamics at interfaces. Polymer, 2009, 50, 860-871.	3.8	33
85	Comparative Characterization of Carbon Adsorbents and Polymer Precursors by Small-Angle X-ray Scattering and Nitrogen Adsorption Methods. Journal of Physical Chemistry C, 2011, 115, 10727-10735.	3.1	33
86	Molecularâ€Level Understanding of the Carbonisation of Polysaccharides. Chemistry - A European Journal, 2013, 19, 9351-9357.	3.3	33
87	Influence of the Partial Hydrophobization of Fumed Silica by Hexamethyldisilazane on Interactions with Water. Langmuir, 2003, 19, 10816-10828.	3.5	32
88	Successive interaction of pairs of soluble organics with nanosilica in aqueous media. Journal of Colloid and Interface Science, 2006, 300, 20-32.	9.4	32
89	Post-synthesis surface-modified silicas as adsorbents for heavy metal ion contaminants Cd(II), Cu(II), Cr(III), and Sr(II) in aqueous solutions. Journal of Colloid and Interface Science, 2013, 392, 57-64.	9.4	32
90	Structural and Morphological Features of Disperse Alumina Synthesized Using Aluminum Nitrate Nonahydrate. Nanoscale Research Letters, 2016, 11, 153.	5.7	32

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91	Probing the silica surfaces by red blood cells. Cytometry, 2002, 49, 56-61.	1.8	31
92	Structural characteristics of porous polymers treated by freezing with water or acetone. Applied Surface Science, 2005, 252, 612-618.	6.1	31
93	Adsorption and Migration of Poly(Vinyl Pyrrolidone) at a Fumed Silica Surface. Adsorption Science and Technology, 2006, 24, 143-158.	3.2	31
94	Characteristics of adsorption phase with water/organic mixtures at a surface of activated carbons possessing intraparticle and textural porosities. Applied Surface Science, 2008, 254, 3220-3231.	6.1	31
95	Relating bulk resistivity to nanoscale mechanical responses of carbon nanotubes randomly orientated in monoliths under compression. Carbon, 2010, 48, 3635-3637.	10.3	31
96	Structural, textural and adsorption characteristics of nanosilica mechanochemically activated in different media. Journal of Colloid and Interface Science, 2011, 355, 300-311.	9.4	31
97	Cottonised flax fibres vs. cotton fibres: structural, textural and adsorption characteristics. RSC Advances, 2012, 2, 2032.	3.6	31
98	Morphology and adsorption properties of chemically modified MWCNT probed by nitrogen, n-propane and water vapor. Carbon, 2012, 50, 577-585.	10.3	31
99	Chitosan-nanosilica hybrid materials: Preparation and properties. Applied Surface Science, 2014, 320, 563-569.	6.1	31
100	Effect of adsorption of nitroaromatic compounds on the characteristics of bound water layers in aqueous suspensions of activated carbons. Carbon, 2002, 40, 389-396.	10.3	30
101	Activation and structural and adsorption features of activated carbons with highly developed micro-, meso- and macroporosity. Adsorption, 2011, 17, 453-460.	3.0	30
102	Study of interaction of proteins with fumed silica in aqueous suspensions by adsorption and photon correlation spectroscopy methods. Journal of Colloid and Interface Science, 2003, 260, 56-69.	9.4	29
103	Behaviour of pure water and water mixture with benzene or chloroform adsorbed onto ordered mesoporous silicas. Open Chemistry, 2007, 5, 420-454.	1.9	29
104	Structural and adsorption studies of activated carbons derived from porous phenolic resins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 317, 377-387.	4.7	29
105	Dielectric properties and thermal destruction of poly(dimethylsiloxane)/Fe2O3/SiO2 nanocomposites. Applied Surface Science, 2014, 305, 67-76.	6.1	29
106	Synthesis and structure characterization of polymeric nanoporous microspheres with lignin. Cellulose, 2018, 25, 5843-5862.	4.9	29
107	Silica Gel Modified Due to Pyrolysis of Acetylacetone and Metal (Ti, Cr, Co, Ni, Zn, Zr) Acetylacetonates. Journal of Colloid and Interface Science, 2000, 231, 13-25.	9.4	28
108	Evaluation of the Structural and Energetic Heterogeneity of Microporous Carbons by Means of Novel Numerical Methods and Genetic Algorithms. Journal of Colloid and Interface Science, 2002, 256, 378-395.	9.4	28

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109	Comparative characterization of polymethylsiloxane hydrogel and silylated fumed silica and silica gel. Journal of Colloid and Interface Science, 2007, 308, 142-156.	9.4	28
110	Comparative study of nanopores in activated carbons by HRTEM and adsorption methods. Carbon, 2012, 50, 3146-3153.	10.3	28
111	Blends of amorphous/crystalline nanoalumina and hydrophobic amorphous nanosilica. Journal of Non-Crystalline Solids, 2018, 500, 351-358.	3.1	28
112	Structural and Energetic Nonuniformities of Pyrocarbonâ€“Mineral Adsorbents. Journal of Colloid and Interface Science, 2001, 238, 340-356.	9.4	27
113	Hydrated phosphorus oxyacids alone and adsorbed on nanosilica. Journal of Colloid and Interface Science, 2012, 368, 263-272.	9.4	27
114	Influence of hydrophobic nanosilica and hydrophobic medium on water bound in hydrophilic components of complex systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 39-47.	4.7	27
115	Membrane-Filtered Kraft Lignināˆ“Silica Hybrids as Bio-Based Sorbents for Cobalt(II) Ion Recycling. ACS Omega, 2020, 5, 10847-10856.	3.5	27
116	Fumed Silica Modified Due to Pyrolysis of Methylene Chloride. Langmuir, 2000, 16, 374-382.	3.5	26
117	Structural and adsorptive properties of activated carbons prepared byÂcarbonization and activation of resins. Journal of Colloid and Interface Science, 2003, 263, 533-541.	9.4	26
118	Adsorption of polar and nonpolar compounds onto complex nanooxides with silica, alumina, and titania. Journal of Colloid and Interface Science, 2010, 348, 546-558.	9.4	26
119	Activated carbons and carbon-containing poly(vinyl alcohol) cryogels: characterization, protein adsorption and possibility of myoglobin clearance. Physical Chemistry Chemical Physics, 2012, 14, 16267.	2.8	26
120	Behavior of water and methane bound to hydrophilic and hydrophobic nanosilicas and their mixture. Chemical Physics Letters, 2017, 690, 25-30.	2.6	26
121	Characterisation and performance of hydrogel tissue scaffolds. Soft Matter, 2010, 6, 5351.	2.7	25
122	Textural and electronic characteristics of mechanochemically activated composites with nanosilica and activated carbon. Applied Surface Science, 2011, 258, 1115-1125.	6.1	25
123	Dielectric and thermal studies of segmental dynamics in silica/PDMS and silica/titania/PDMS nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	25
124	Nanooxide/Polymer Composites with Silica@PDMS and Ceriaâ€“Zirconiaâ€“Silica@PDMS: Textural, Morphological, and Hydrophilic/Hydrophobic Features. Nanoscale Research Letters, 2017, 12, 152.	5.7	25
125	Influence of hydrophobization of fumed oxides on interactions with polar and nonpolar adsorbates. Applied Surface Science, 2017, 423, 855-868.	6.1	25
126	Modification of some oxides by organic and organosilicon compounds. Journal of Adhesion Science and Technology, 1997, 11, 627-653.	2.6	24

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127	Relaxation phenomena in poly(vinyl alcohol)/fumed silica affected by interfacial water. Journal of Colloid and Interface Science, 2007, 312, 201-213.	9.4	24
128	Mechanical performance of highly compressible multi-walled carbon nanotube columns with hyperboloid geometries. Carbon, 2010, 48, 145-152.	10.3	24
129	Structural and hydrophobicâ€“hydrophilic properties of nanosilica/zirconia alone and with adsorbed PDMS. Applied Surface Science, 2011, 258, 270-277.	6.1	24
130	Interactions of single and multi-layer graphene oxides with water, methane, organic solvents and HCl studied by 1H NMR. Carbon, 2013, 57, 191-201.	10.3	24
131	Structural Features of Carbons Produced Using Glucose, Lactose, and Saccharose. Nanoscale Research Letters, 2016, 11, 508.	5.7	24
132	Modelling of multi-component kerosene and surrogate fuel droplet heating and evaporation characteristics: A comparative analysis. Fuel, 2020, 269, 117115.	6.4	24
133	Influence of modification of fine silica by organosilicon compounds on particle-particle interaction in aqueous suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 132, 241-249.	4.7	23
134	Relationship between Structural Characteristics of Activated Carbons and Their Concentrating Efficiency with Respect to Nitroorganics. Journal of Colloid and Interface Science, 2001, 239, 489-500.	9.4	23
135	Influence of organic solvents on interfacial water at surfaces of silica gel and partially silylated fumed silica. Applied Surface Science, 2004, 229, 197-213.	6.1	23
136	Carbonâ€“mineral adsorbents prepared by pyrolysis of waste materials in the presence of tetrachloromethane. Journal of Colloid and Interface Science, 2005, 284, 39-47.	9.4	23
137	Structural and adsorption characteristics and catalytic activity of titania and titania-containing nanomaterials. Journal of Colloid and Interface Science, 2009, 330, 125-137.	9.4	23
138	Composites with Macroporous Poly(vinyl alcohol) Cryogels with Attached Activated Carbon Microparticles with Controlled Accessibility of a Surface. ACS Applied Materials & Interfaces, 2012, 4, 5936-5944.	8.0	23
139	Carbon-mineral adsorbents with a diatomaceous earth/perlite matrix modified by carbon deposits. Microporous and Mesoporous Materials, 2012, 156, 209-216.	4.4	23
140	Unusual interfacial phenomena at a surface of fullerite and carbon nanotubes. Chemical Physics, 2015, 459, 172-185.	1.9	23
141	Silica-Supported Titaniaâ€“Zirconia Nanocomposites: Structural and Morphological Characteristics in Different Media. Nanoscale Research Letters, 2016, 11, 111.	5.7	23
142	Interfacial effects in PDMS/titania nanocomposites studied by thermal and dielectric techniques. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 212-222.	4.7	23
143	Infrared spectroscopy as a tool for textural and structural characterization of individual and complex fumed oxides. Vibrational Spectroscopy, 2017, 88, 56-62.	2.2	23
144	Polymethylsiloxane alone and in composition with nanosilica under various conditions. Journal of Colloid and Interface Science, 2019, 541, 213-225.	9.4	23

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145	Structural and energetic heterogeneities of hybrid carbon-mineral adsorbents. Applied Surface Science, 2002, 191, 286-299.	6.1	22
146	Impact of thermal and hydrothermal treatments on structural characteristics of silica gel Si-40 and carbon/silica gel adsorbents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 235, 101-111.	4.7	22
147	Phosphorus-containing carbon deposits on silica gel Si-100. Microporous and Mesoporous Materials, 2005, 87, 133-145.	4.4	22
148	Adsorption of lipopolysaccharide on carbon sieves. Carbon, 2006, 44, 1258-1262.	10.3	22
149	Wettability of modified silica layers deposited on glass support activated by plasma. Applied Surface Science, 2015, 353, 843-850.	6.1	22
150	Study of surfaces properties of fumed alumina/silica materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 127, 11-18.	4.7	21
151	Interaction of proteins and substituted aromatic drugs with highly disperse oxides in aqueous suspension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 167, 229-243.	4.7	21
152	Porous Structure of Activated Carbons and Tert-butylbenzene Breakthrough Dynamics. Journal of Colloid and Interface Science, 2002, 250, 5-17.	9.4	21
153	Interaction of Quercetin with Highly Dispersed Silica in Aqueous Suspensions. Colloid Journal, 2002, 64, 412-418.	1.3	21
154	Effect of preparation conditions of carbonâ€“silica adsorbents based on mesoporous silica gel Si-100 and carbonised glucose on their pore structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 231, 39-49.	4.7	21
155	Pyrocarbons prepared by carbonisation of polymers adsorbed or synthesised on a surface of silica and mixed oxides. Applied Surface Science, 2004, 227, 219-243.	6.1	21
156	Nanocomposites with fumed silica/poly(vinyl pyrrolidone) prepared at a low content of solvents. Applied Surface Science, 2006, 253, 2801-2811.	6.1	21
157	Influence of Basic Red 1 dye adsorption on thermal stability of Na-clinoptilolite and Na-bentonite. Journal of Thermal Analysis and Calorimetry, 2011, 103, 607-615.	3.6	21
158	Interfacial Behavior of n-Decane Bound to Weakly Hydrated Silica Gel and Nanosilica over a Broad Temperature Range. Langmuir, 2013, 29, 4303-4314.	3.5	21
159	Synthesis and characterization of carbon composites containing Fe, Co, Ni nanoparticles. Journal of Thermal Analysis and Calorimetry, 2015, 122, 553-561.	3.6	21
160	Interactions of human serum albumin with doxorubicin in different media. Chemical Physics, 2017, 483-484, 26-34.	1.9	21
161	CVD-zirconia on fumed silica and silica gel. Applied Surface Science, 2005, 242, 1-12.	6.1	20
162	Characterisation of the nanoporous structure of collagen-glycosaminoglycan hydrogels by freezing-out of bulk and bound water. Biomaterials, 2006, 27, 3599-607.	11.4	20

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163	Influence of silica matrix morphology on characteristics of grafted nanozirconia. Applied Surface Science, 2009, 255, 7818-7824.	6.1	20
164	Well-Defined Oxide Coreâ^'Polymer Shell Nanoparticles: Interfacial Interactions, Peculiar Dynamics, and Transitions in Polymer Nanolayers. Langmuir, 2010, 26, 10968-10979.	3.5	20
165	A quantum chemical study of the processes during the evaporation of real-life Diesel fuel droplets. Fluid Phase Equilibria, 2013, 356, 146-156.	2.5	20
166	Comparison of stability properties of poly(acrylic acid) adsorbed on the surface of silica, alumina and mixed silica-alumina nanoparticles â€" application of turbidimetry method. Open Chemistry, 2014, 12, 476-479.	1.9	20
167	Effect of polyvinyl alcohol adsorption on the mixed aluminaâ€"silicaâ€"titania suspension stability. Journal of Industrial and Engineering Chemistry, 2015, 23, 265-272.	5.8	20
168	Synthesis and properties of zinc oxide photocatalyst by high-temperature processing of resorcinol-formaldehyde/zinc acetate mixture. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 334, 36-46.	3.9	20
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