

Vladimir Gun ko

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358 papers	7,832 citations	44 h-index	66 g-index
365 ext. papers	8,590 ext. citations	5 avg, IF	5.99 L-index

#	Paper	IF	Citations
358	Structural and physicochemical properties of natural zeolites: clinoptilolite and mordenite. <i>Microporous and Mesoporous Materials</i> , 2006 , 87, 243-254	5.3	226
357	Cryogels: morphological, structural and adsorption characterisation. <i>Advances in Colloid and Interface Science</i> , 2013 , 187-188, 1-46	14.3	198
356	Unusual properties of water at hydrophilic/hydrophobic interfaces. <i>Advances in Colloid and Interface Science</i> , 2005 , 118, 125-72	14.3	186
355	Aqueous suspension of fumed oxides: particle size distribution and zeta potential. <i>Advances in Colloid and Interface Science</i> , 2001 , 91, 1-112	14.3	182
354	Morphology and surface properties of fumed silicas. <i>Journal of Colloid and Interface Science</i> , 2005 , 289, 427-45	9.3	114
353	Nuclear Magnetic Resonance Studies of Interfacial Phenomena		112
352	TSDC spectroscopy of relaxational and interfacial phenomena. <i>Advances in Colloid and Interface Science</i> , 2007 , 131, 1-89	14.3	110
351	Evaluation of slitlike porosity of carbon adsorbents. <i>Carbon</i> , 2004 , 42, 843-849	10.4	105
350	Driving forces of conformational changes in single-layer graphene oxide. <i>ACS Nano</i> , 2012 , 6, 3967-73	16.7	97
349	Characterisation of pore structure of carbon adsorbents using regularisation procedure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 193, 71-83	5.1	92
348	Composite materials: Textural characteristics. <i>Applied Surface Science</i> , 2014 , 307, 444-454	6.7	89
347	Temperature-programmed desorption of water from fumed silica, silica/titania, and silica/alumina. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998 , 172, 161-179		88
346	Properties of Water Bound in Hydrogels. <i>Gels</i> , 2017 , 3,	4.2	87
345	Adsorptive removal of acid, reactive and direct dyes from aqueous solutions and wastewater using mixed silica-alumina oxide. <i>Powder Technology</i> , 2015 , 278, 306-315	5.2	83
344	Adsorption of anionic and cationic dyes by activated carbons, PVA hydrogels, and PVA/AC composite. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 582-92	9.3	80
343	pH-driven physicochemical conformational changes of single-layer graphene oxide. <i>Chemical Communications</i> , 2011 , 47, 9645-7	5.8	76
342	Comparison of adsorption affinity of polyacrylic acid for surfaces of mixed silica-alumina. <i>Colloid and Polymer Science</i> , 2014 , 292, 699-705	2.4	75

341	Photon correlation spectroscopy investigations of proteins. <i>Advances in Colloid and Interface Science</i> , 2003 , 105, 201-328	14.3	75
340	Characterization of Fumed Alumina/Silica/Titania in the Gas Phase and in Aqueous Suspension. <i>Journal of Colloid and Interface Science</i> , 1999 , 220, 302-323	9.3	75
339	Mechanism and Kinetics of Hexamethyldisilazane Reaction with a Fumed Silica Surface. <i>Journal of Colloid and Interface Science</i> , 2000 , 228, 157-170	9.3	71
338	CVD-Titania on Fumed Silica Substrate. <i>Journal of Colloid and Interface Science</i> , 1998 , 198, 141-156	9.3	70
337	Interaction of poly(ethylene oxide) with fumed silica. <i>Journal of Colloid and Interface Science</i> , 2004 , 279, 326-40	9.3	68
336	Structure of Hydrogen Bonds and ¹ H NMR Spectra of Water at the Interface of Oxides. <i>Langmuir</i> , 1999 , 15, 6405-6415	4	68
335	Effects of Molecular Weight below the Entanglement Threshold on Interfacial Nanoparticles/Polymer Dynamics. <i>Macromolecules</i> , 2016 , 49, 9457-9473	5.5	66
334	A multi-dimensional quasi-discrete model for the analysis of Diesel fuel droplet heating and evaporation. <i>Fuel</i> , 2014 , 129, 238-266	7.1	64
333	Mixed silica-alumina oxide as sorbent for dyes and metal ions removal from aqueous solutions and wastewaters. <i>Microporous and Mesoporous Materials</i> , 2017 , 250, 128-147	5.3	63
332	Porous structure and water state in cross-linked polymer and protein cryo-hydrogels. <i>Soft Matter</i> , 2011 , 7, 4276	3.6	63
331	Fumed Silicas Possessing Different Morphology and Hydrophilicity. <i>Journal of Colloid and Interface Science</i> , 2001 , 242, 90-103	9.3	58
330	Structure of Fumed Titania and Silica/Titania and Influence of the Nature of Surface Sites on Interaction with Water. <i>Journal of Colloid and Interface Science</i> , 1997 , 188, 39-57	9.3	54
329	Magnesia formed on calcination of Mg(OH) ₂ prepared from natural bischofite. <i>Applied Surface Science</i> , 2006 , 252, 4071-4082	6.7	54
328	Features of fumed silica coverage with silanes having three or two groups reacting with the surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000 , 166, 187-201	5.1	53
327	Structure of Chemical Vapor Deposition Titania/Silica Gel. <i>Journal of Colloid and Interface Science</i> , 1999 , 218, 23-39	9.3	52
326	Active Site Nature of Pyrogenic Alumina/Silica and Water Bound to Surfaces. <i>Langmuir</i> , 1997 , 13, 1529-1544	14.4	50
325	Morphology and molecular dynamics investigation of PDMS adsorbed on titania nanoparticles: Effects of polymer molecular weight. <i>European Polymer Journal</i> , 2016 , 74, 64-80	5.2	49
324	Adsorption, NMR, and thermally stimulated depolarization current methods for comparative analysis of heterogeneous solid and soft materials. <i>Langmuir</i> , 2007 , 23, 3184-92	4	49

323	Polydimethylsiloxane at the interfaces of fumed silica and zirconia/fumed silica. <i>Applied Surface Science</i> , 2007 , 253, 7143-7156	6.7	48
322	Distribution Effect of the Second Phase in Disperse Silica/X Oxides (X = Al ₂ O ₃ , TiO ₂ , GeO ₂) on Their Surface Properties. <i>Langmuir</i> , 1999 , 15, 5694-5702	4	48
321	Ag nanoparticles deposited onto silica, titania, and zirconia mesoporous films synthesized by sol-gel template method. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 216-228	2.3	47
320	Effects of chemisorbed arsenate groups on the mesoporous titania morphology and enhanced adsorption properties towards Sr(II) cations. <i>Journal of Molecular Liquids</i> , 2019 , 282, 587-597	6	46
319	Adsorption and photocatalytic decomposition of methylene blue on surface modified silica and silica-titania. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 325, 17-20	5.1	46
318	Impact of Some Organics on Structural and Adsorptive Characteristics of Fumed Silica in Different Media. <i>Langmuir</i> , 2002 , 18, 581-596	4	46
317	Dielectric Properties and Dynamic Simulation of Water Bound to Titania/Silica Surfaces. <i>Langmuir</i> , 1995 , 11, 2115-2120	4	46
316	Functionalized silicas: Structural characteristics and adsorption of Cu(II) and Pb(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 307, 83-92	5.1	44
315	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. <i>Journal of Colloid and Interface Science</i> , 2004 , 269, 403-24	9.3	44
314	Effect of polyacrylic acid (PAA) adsorption on stability of mixed alumina-silica oxide suspension. <i>Powder Technology</i> , 2013 , 233, 190-200	5.2	43
313	The comparative characterization of structural heterogeneity of mesoporous activated carbon fibers (ACFs). <i>Applied Surface Science</i> , 2003 , 206, 67-77	6.7	42
312	Investigation of the polyvinyl alcohol stabilization mechanism and adsorption properties on the surface of ternary mixed nanooxide AST 50 (AlO-SiO-TiO). <i>Journal of Nanoparticle Research</i> , 2015 , 17, 12	2.3	41
311	Interaction of poly(vinyl pyrrolidone) with fumed silica in dry and wet powders and aqueous suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 233, 63-78	5.1	40
310	Characterization of fumed silicas and their interaction with water and dissolved proteins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 180, 87-101	5.1	40
309	Aqueous Suspensions of Fumed Silica and Adsorption of Proteins. <i>Journal of Colloid and Interface Science</i> , 1997 , 192, 166-78	9.3	39
308	Influence of organics on the structure of water adsorbed on activated carbons. <i>Journal of Colloid and Interface Science</i> , 2002 , 253, 23-34	9.3	39
307	Interfacial phenomena in core-shell nanocomposites of PDMS adsorbed onto low specific surface area fumed silica nanooxides: Effects of surface modification. <i>Polymer</i> , 2015 , 68, 158-167	3.9	38
306	Experimental and computational studies of trialkylaluminum and alkylaluminum chloride reactions with silica. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5667-77	3.4	38

305	Effects of enhanced clusterization of water at a surface of partially silylated nanosilica on adsorption of cations and anions from aqueous media. <i>Microporous and Mesoporous Materials</i> , 2019 , 277, 95-104	5.3	38
304	Interfacial phenomena at a surface of individual and complex fumed nanooxides. <i>Advances in Colloid and Interface Science</i> , 2016 , 235, 108-189	14.3	37
303	Structural and energetic characteristics of silicas modified by organosilicon compounds. <i>Journal of Colloid and Interface Science</i> , 2002 , 249, 123-33	9.3	37
302	Structural characteristics of a carbon adsorbent and influence of organic solvents on interfacial water. <i>Applied Surface Science</i> , 2003 , 214, 178-189	6.7	37
301	CVD/Titanania/Silica Gel Carbonized Due to Pyrolysis of Cyclohexene. <i>Langmuir</i> , 2000 , 16, 3227-3243	4	37
300	Interfacial behavior of concentrated HCl solution and water clustered at a surface of nanosilica in weakly polar solvents media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 390, 48-55	5.1	36
299	Surface Properties of Mesoporous Carbon-Silica Gel Adsorbents. <i>Journal of Colloid and Interface Science</i> , 2000 , 223, 112-125	9.3	36
298	Morphology, crystallization and rigid amorphous fraction in PDMS adsorbed onto carbon nanotubes and graphite. <i>Polymer</i> , 2018 , 139, 130-144	3.9	35
297	Synthesis and characterization of Fe ₂ O ₃ /SiO ₂ nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2009 , 338, 376-88	9.3	35
296	Interaction of poly(ethylene glycol) with fumed silica and alumina/silica/titania. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 360, 220-231	5.1	35
295	Competitive adsorption. <i>Theoretical and Experimental Chemistry</i> , 2007 , 43, 139-183	1.3	35
294	Structural characteristics of activated carbons and ibuprofen adsorption affected by bovine serum albumin. <i>Langmuir</i> , 2004 , 20, 2837-51	4	35
293	Structural characteristics of modified activated carbons and adsorption of explosives. <i>Journal of Colloid and Interface Science</i> , 2003 , 266, 388-402	9.3	35
292	Structure of Silica Gel Si-60 and Pyrocarbon/Silica Gel Adsorbents Thermally and Hydrothermally Treated. <i>Langmuir</i> , 2001 , 17, 3148-3161	4	35
291	Synthesis, Structural, and Adsorption Properties and Thermal Stability of Nanohydroxyapatite/Polysaccharide Composites. <i>Nanoscale Research Letters</i> , 2017 , 12, 155	5	33
290	Carbon adsorbents from waste ion-exchange resins. <i>Carbon</i> , 2005 , 43, 1143-1150	10.4	33
289	Interfacial interactions and complex segmental dynamics in systems based on silica-polydimethylsiloxane core-shell nanoparticles: Dielectric and thermal study. <i>Polymer</i> , 2015 , 58, 9-21	3.9	32
288	Weakly and strongly associated nonfreezable water bound in bones. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 48, 167-75	6	32

287	Surface electric and titration behaviour of fumed oxides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 240, 9-25	5.1	32
286	Morphological and chemical features of nano and macroscale carbons affecting hydrogen peroxide decomposition in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 129-36	9.3	31
285	The effect of heat, adsorption and mechanochemical treatments on stuck structure and adsorption properties of fumed silicas. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 218, 125-135	5.1	31
284	Structured water in partially dehydrated yeast cells and at partially hydrophobized fumed silica surface. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 329-43	9.3	31
283	Molecular-level understanding of the carbonisation of polysaccharides. <i>Chemistry - A European Journal</i> , 2013 , 19, 9351-7	4.8	30
282	Well-defined silica core/poly(vinyl pyrrolidone) shell nanoparticles: Interactions and multi-modal glass transition dynamics at interfaces. <i>Polymer</i> , 2009 , 50, 860-871	3.9	30
281	Relationships between surface compositions and properties of surfaces of mixed fumed oxides. <i>Applied Surface Science</i> , 2007 , 253, 3215-3230	6.7	29
280	Surface structure and properties of mixed fumed oxides. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 119-30	9.3	29
279	Effect of water content on the characteristics of hydro-compacted nanosilica. <i>Applied Surface Science</i> , 2018 , 459, 171-178	6.7	28
278	Successive interaction of pairs of soluble organics with nanosilica in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2006 , 300, 20-32	9.3	28
277	Probing the silica surfaces by red blood cells. <i>Cytometry</i> , 2002 , 49, 56-61		28
276	Influence of the Partial Hydrophobization of Fumed Silica by Hexamethyldisilazane on Interactions with Water. <i>Langmuir</i> , 2003 , 19, 10816-10828	4	28
275	Morphology, Molecular Dynamics, and Interfacial Phenomena in Systems Based on Silica Modified by Grafting Polydimethylsiloxane Chains and Physically Adsorbed Polydimethylsiloxane. <i>Macromolecules</i> , 2019 , 52, 2863-2877	5.5	27
274	Morphology and adsorption properties of chemically modified MWCNT probed by nitrogen, n-propane and water vapor. <i>Carbon</i> , 2012 , 50, 577-585	10.4	27
273	Morphological and structural features of individual and composite nanooxides with alumina, silica, and titania in powders and aqueous suspensions. <i>Powder Technology</i> , 2009 , 195, 245-258	5.2	27
272	Relating bulk resistivity to nanoscale mechanical responses of carbon nanotubes randomly orientated in monoliths under compression. <i>Carbon</i> , 2010 , 48, 3635-3637	10.4	27
271	Characteristics of adsorption phase with water/organic mixtures at a surface of activated carbons possessing intraparticle and textural porosities. <i>Applied Surface Science</i> , 2008 , 254, 3220-3231	6.7	27
270	Adsorption and Migration of Poly(Vinyl Pyrrolidone) at a Fumed Silica Surface. <i>Adsorption Science and Technology</i> , 2006 , 24, 143-158	3.6	27

269	Evaluation of the Structural and Energetic Heterogeneity of Microporous Carbons by Means of Novel Numerical Methods and Genetic Algorithms. <i>Journal of Colloid and Interface Science</i> , 2002 , 256, 378-395	9.3	27
268	Effect of adsorption of nitroaromatic compounds on the characteristics of bound water layers in aqueous suspensions of activated carbons. <i>Carbon</i> , 2002 , 40, 389-396	10.4	27
267	Highly Dispersed X/SiO(2) and C/X/SiO(2) (X=Alumina, Titania, Alumina/Titania) in the Gas and Liquid Media. <i>Journal of Colloid and Interface Science</i> , 2000 , 230, 396-409	9.3	27
266	Chitosan-nanosilica hybrid materials: Preparation and properties. <i>Applied Surface Science</i> , 2014 , 320, 563-569	6.7	26
265	Post-synthesis surface-modified silicas as adsorbents for heavy metal ion contaminants Cd(II), Cu(II), Cr(III), and Sr(II) in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 57-64	9.3	26
264	Structural characteristics of porous polymers treated by freezing with water or acetone. <i>Applied Surface Science</i> , 2005 , 252, 612-618	6.7	26
263	Comparative Characterization of Carbon Adsorbents and Polymer Precursors by Small-Angle X-ray Scattering and Nitrogen Adsorption Methods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10727-10735	3.8	25
262	Activation and structural and adsorption features of activated carbons with highly developed micro-, meso- and macroporosity. <i>Adsorption</i> , 2011 , 17, 453-460	2.6	25
261	Behaviour of pure water and water mixture with benzene or chloroform adsorbed onto ordered mesoporous silicas. <i>Open Chemistry</i> , 2007 , 5, 420-454	1.6	25
260	Structural and adsorption studies of activated carbons derived from porous phenolic resins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 317, 377-387	5.1	25
259	Zeta Potential of Beta Zeolites: Influence of Structure, Acidity, pH, Temperature and Concentration. <i>Molecules</i> , 2018 , 23,	4.8	24
258	Dielectric properties and thermal destruction of poly(dimethylsiloxane)/Fe ₂ O ₃ /SiO ₂ nanocomposites. <i>Applied Surface Science</i> , 2014 , 305, 67-76	6.7	24
257	Mechanical performance of highly compressible multi-walled carbon nanotube columns with hyperboloid geometries. <i>Carbon</i> , 2010 , 48, 145-152	10.4	24
256	Study of interaction of proteins with fumed silica in aqueous suspensions by adsorption and photon correlation spectroscopy methods. <i>Journal of Colloid and Interface Science</i> , 2003 , 260, 56-69	9.3	24
255	Fumed Silica Modified Due to Pyrolysis of Methylene Chloride. <i>Langmuir</i> , 2000 , 16, 374-382	4	24
254	Water Interactions with Hydrophobic versus Hydrophilic Nanosilica. <i>Langmuir</i> , 2018 , 34, 12145-12153	4	24
253	Hydrated phosphorus oxyacids alone and adsorbed on nanosilica. <i>Journal of Colloid and Interface Science</i> , 2012 , 368, 263-72	9.3	23
252	Influence of hydrophobization of fumed oxides on interactions with polar and nonpolar adsorbates. <i>Applied Surface Science</i> , 2017 , 423, 855-868	6.7	23

251	Structural and adsorptive properties of activated carbons prepared by carbonization and activation of resins. <i>Journal of Colloid and Interface Science</i> , 2003 , 263, 533-41	9.3	23
250	Structural and Energetic Nonuniformities of Pyrocarbon-Mineral Adsorbents. <i>Journal of Colloid and Interface Science</i> , 2001 , 238, 340-356	9.3	23
249	Relationship between Structural Characteristics of Activated Carbons and Their Concentrating Efficiency with Respect to Nitroorganics. <i>Journal of Colloid and Interface Science</i> , 2001 , 239, 489-500	9.3	23
248	Silica Gel Modified Due to Pyrolysis of Acetylacetone and Metal (Ti, Cr, Co, Ni, Zn, Zr) Acetylacetonates. <i>Journal of Colloid and Interface Science</i> , 2000 , 231, 13-25	9.3	23
247	Influence of hydrophobic nanosilica and hydrophobic medium on water bound in hydrophilic components of complex systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 552, 39-47	5.1	22
246	Cottonised flax fibres vs. cotton fibres: structural, textural and adsorption characteristics. <i>RSC Advances</i> , 2012 , 2, 2032	3.7	22
245	Activated carbons and carbon-containing poly(vinyl alcohol) cryogels: characterization, protein adsorption and possibility of myoglobin clearance. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16267-78	3.6	22
244	Comparative study of nanopores in activated carbons by HRTEM and adsorption methods. <i>Carbon</i> , 2012 , 50, 3146-3153	10.4	22
243	Structural, textural and adsorption characteristics of nanosilica mechanochemically activated in different media. <i>Journal of Colloid and Interface Science</i> , 2011 , 355, 300-11	9.3	22
242	Modification of some oxides by organic and organosilicon compounds. <i>Journal of Adhesion Science and Technology</i> , 1997 , 11, 627-653	2	22
241	Influence of modification of fine silica by organosilicon compounds on particle-particle interaction in aqueous suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 132, 241-249	5.1	22
240	Comparative characterization of polymethylsiloxane hydrogel and silylated fumed silica and silica gel. <i>Journal of Colloid and Interface Science</i> , 2007 , 308, 142-56	9.3	22
239	Relaxation phenomena in poly(vinyl alcohol)/fumed silica affected by interfacial water. <i>Journal of Colloid and Interface Science</i> , 2007 , 312, 201-13	9.3	22
238	Carbon-mineral adsorbents with a diatomaceous earth/perlite matrix modified by carbon deposits. <i>Microporous and Mesoporous Materials</i> , 2012 , 156, 209-216	5.3	21
237	Dielectric and thermal studies of segmental dynamics in silica/PDMS and silica/titania/PDMS nanocomposites. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	21
236	Interfacial behavior of n-decane bound to weakly hydrated silica gel and nanosilica over a broad temperature range. <i>Langmuir</i> , 2013 , 29, 4303-14	4	21
235	Characterisation and performance of hydrogel tissue scaffolds. <i>Soft Matter</i> , 2010 , 6, 5351	3.6	21
234	Structural and adsorption characteristics and catalytic activity of titania and titania-containing nanomaterials. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 125-37	9.3	21

233	Wettability of modified silica layers deposited on glass support activated by plasma. <i>Applied Surface Science</i> , 2015 , 353, 843-850	6.7	20
232	Structural and Morphological Features of Disperse Alumina Synthesized Using Aluminum Nitrate Nonahydrate. <i>Nanoscale Research Letters</i> , 2016 , 11, 153	5	20
231	Structural and hydrophobic/hydrophilic properties of nanosilica/zirconia alone and with adsorbed PDMS. <i>Applied Surface Science</i> , 2011 , 258, 270-277	6.7	20
230	Textural and electronic characteristics of mechanochemically activated composites with nanosilica and activated carbon. <i>Applied Surface Science</i> , 2011 , 258, 1115-1125	6.7	20
229	Porous structure of activated carbons and tert-butylbenzene breakthrough dynamics. <i>Journal of Colloid and Interface Science</i> , 2002 , 250, 5-17	9.3	20
228	A quantum chemical study of the processes during the evaporation of real-life Diesel fuel droplets. <i>Fluid Phase Equilibria</i> , 2013 , 356, 146-156	2.5	19
227	Interactions of single and multi-layer graphene oxides with water, methane, organic solvents and HCl studied by ¹ H NMR. <i>Carbon</i> , 2013 , 57, 191-201	10.4	19
226	Infrared spectroscopy as a tool for textural and structural characterization of individual and complex fumed oxides. <i>Vibrational Spectroscopy</i> , 2017 , 88, 56-62	2.1	19
225	Composites with macroporous poly(vinyl alcohol) cryogels with attached activated carbon microparticles with controlled accessibility of a surface. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5936-44	9.5	19
224	Influence of Basic Red 1 dye adsorption on thermal stability of Na-clinoptilolite and Na-bentonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 103, 607-615	4.1	19
223	Adsorption of polar and nonpolar compounds onto complex nanooxides with silica, alumina, and titania. <i>Journal of Colloid and Interface Science</i> , 2010 , 348, 546-58	9.3	19
222	Study of surfaces properties of fumed alumina/silica materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997 , 127, 11-18	5.1	19
221	Adsorption of lipopolysaccharide on carbon sieves. <i>Carbon</i> , 2006 , 44, 1258-1262	10.4	19
220	Influence of organic solvents on interfacial water at surfaces of silica gel and partially silylated fumed silica. <i>Applied Surface Science</i> , 2004 , 229, 197-213	6.7	19
219	Structural and energetic heterogeneities of hybrid carbon-mineral adsorbents. <i>Applied Surface Science</i> , 2002 , 191, 286-299	6.7	19
218	Carbon-mineral adsorbents prepared by pyrolysis of waste materials in the presence of tetrachloromethane. <i>Journal of Colloid and Interface Science</i> , 2005 , 284, 39-47	9.3	19
217	Silica-Supported Titania-Zirconia Nanocomposites: Structural and Morphological Characteristics in Different Media. <i>Nanoscale Research Letters</i> , 2016 , 11, 111	5	18
216	Influence of silica matrix morphology on characteristics of grafted nanozirconia. <i>Applied Surface Science</i> , 2009 , 255, 7818-7824	6.7	18

215	Nanocomposites with fumed silica/poly(vinyl pyrrolidone) prepared at a low content of solvents. <i>Applied Surface Science</i> , 2006 , 253, 2801-2811	6.7	18
214	Characterisation of the nanoporous structure of collagen-glycosaminoglycan hydrogels by freezing-out of bulk and bound water. <i>Biomaterials</i> , 2006 , 27, 3599-607	15.6	18
213	Pyrocarbons prepared by carbonisation of polymers adsorbed or synthesised on a surface of silica and mixed oxides. <i>Applied Surface Science</i> , 2004 , 227, 219-243	6.7	18
212	Heterogeneity of adsorption energy of water, methanol and diethyl ether on activated carbons: effect of porosity and surface chemistry. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 2096	3.6	18
211	Interfacial effects in PDMS/titania nanocomposites studied by thermal and dielectric techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 519, 212-222	5.1	17
210	Effect of polyvinyl alcohol adsorption on the mixed alumina-silica-titania suspension stability. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 23, 265-272	6.3	17
209	Modelling of multi-component kerosene and surrogate fuel droplet heating and evaporation characteristics: A comparative analysis. <i>Fuel</i> , 2020 , 269, 117115	7.1	17
208	Polyurethane-poly(2-hydroxyethyl methacrylate) semi-IPN-nanoxide composites. <i>RSC Advances</i> , 2013 , 3, 14560	3.7	17
207	Interaction of Quercetin with Highly Dispersed Silica in Aqueous Suspensions. <i>Colloid Journal</i> , 2002 , 64, 412-418	1.1	17
206	Phosphorus-containing carbon deposits on silica gel Si-100. <i>Microporous and Mesoporous Materials</i> , 2005 , 87, 133-145	5.3	17
205	Properties of Aqueous Suspensions of Highly Dispersed Silica in the Presence of Polyvinylpyrrolidone. <i>Colloid Journal</i> , 2001 , 63, 283-289	1.1	17
204	Synthesis and structure characterization of polymeric nanoporous microspheres with lignin. <i>Cellulose</i> , 2018 , 25, 5843-5862	5.5	17
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