

# Olena Goncharuk

## List of Publications by Year in descending order

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65  
papers

1,737  
citations

257101

24  
h-index

288905

40  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual properties of water at hydrophilic/hydrophobic interfaces. <i>Advances in Colloid and Interface Science</i> , 2005, 118, 125-172.	7.0	214
2	Morphology and surface properties of fumed silicas. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 427-445.	5.0	133
3	TSDC spectroscopy of relaxational and interfacial phenomena. <i>Advances in Colloid and Interface Science</i> , 2007, 131, 1-89.	7.0	124
4	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.	5.0	80
5	Fumed Silicas Possessing Different Morphology and Hydrophilicity. <i>Journal of Colloid and Interface Science</i> , 2001, 242, 90-103.	5.0	70
6	Impact of Some Organics on Structural and Adsorptive Characteristics of Fumed Silica in Different Media. <i>Langmuir</i> , 2002, 18, 581-596.	1.6	53
7	Interfacial phenomena at a surface of individual and complex fumed nanooxides. <i>Advances in Colloid and Interface Science</i> , 2016, 235, 108-189.	7.0	50
8	Morphology, crystallization and rigid amorphous fraction in PDMS adsorbed onto carbon nanotubes and graphite. <i>Polymer</i> , 2018, 139, 130-144.	1.8	49
9	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.	2.3	45
10	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.	2.2	45
11	Synthesis, Structural, and Adsorption Properties and Thermal Stability of Nanohydroxyapatite/Polysaccharide Composites. <i>Nanoscale Research Letters</i> , 2017, 12, 155.	3.1	40
12	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.	2.2	39
13	Nanostructure of Poly(Acrylic Acid) Adsorption Layer on the Surface of Activated Carbon Obtained from Residue After Supercritical Extraction of Hops. <i>Nanoscale Research Letters</i> , 2017, 12, 2.	3.1	37
14	Surface electric and titration behaviour of fumed oxides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 240, 9-25.	2.3	36
15	Relationships between surface compositions and properties of surfaces of mixed fumed oxides. <i>Applied Surface Science</i> , 2007, 253, 3215-3230.	3.1	34
16	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.	2.1	34
17	Surface structure and properties of mixed fumed oxides. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 119-130.	5.0	33
18	Successive interaction of pairs of soluble organics with nanosilica in aqueous media. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 20-32.	5.0	32

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19	Titania-Coated Silica Alone and Modified by Sodium Alginate as Sorbents for Heavy Metal Ions. <i>Nanoscale Research Letters</i> , 2018, 13, 96.	3.1	29
20	Comparative characterization of polymethylsiloxane hydrogel and silylated fumed silica and silica gel. <i>Journal of Colloid and Interface Science</i> , 2007, 308, 142-156.	5.0	28
21	Adsorption of polar and nonpolar compounds onto complex nanooxides with silica, alumina, and titania. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 546-558.	5.0	26
22	Nanooxide/Polymer Composites with Silica@PDMS and Ceria@Zirconia@Silica@PDMS: Textural, Morphological, and Hydrophilic/Hydrophobic Features. <i>Nanoscale Research Letters</i> , 2017, 12, 152.	3.1	25
23	Influence of hydrophobization of fumed oxides on interactions with polar and nonpolar adsorbates. <i>Applied Surface Science</i> , 2017, 423, 855-868.	3.1	25
24	Relaxation phenomena in poly(vinyl alcohol)/fumed silica affected by interfacial water. <i>Journal of Colloid and Interface Science</i> , 2007, 312, 201-213.	5.0	24
25	Structural and hydrophobic/hydrophilic properties of nanosilica/zirconia alone and with adsorbed PDMS. <i>Applied Surface Science</i> , 2011, 258, 270-277.	3.1	24
26	Structural and adsorption characteristics and catalytic activity of titania and titania-containing nanomaterials. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 125-137.	5.0	23
27	Silica-Supported Titania@Zirconia Nanocomposites: Structural and Morphological Characteristics in Different Media. <i>Nanoscale Research Letters</i> , 2016, 11, 111.	3.1	23
28	Wettability of modified silica layers deposited on glass support activated by plasma. <i>Applied Surface Science</i> , 2015, 353, 843-850.	3.1	22
29	Interaction of proteins and substituted aromatic drugs with highly disperse oxides in aqueous suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 167, 229-243.	2.3	21
30	Interfacial Behavior of n-Decane Bound to Weakly Hydrated Silica Gel and Nanosilica over a Broad Temperature Range. <i>Langmuir</i> , 2013, 29, 4303-4314.	1.6	21
31	Nanosilica modified by polydimethylsiloxane depolymerized and chemically bound to nanoparticles or physically bound to unmodified or modified surfaces: Structure and interfacial phenomena. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 273-282.	5.0	18
32	Title is missing!. <i>Colloid Journal</i> , 2001, 63, 283-289.	0.5	17
33	Influence of different treatments on characteristics of nanooxide powders alone or with adsorbed polar polymers or proteins. <i>Powder Technology</i> , 2008, 187, 146-158.	2.1	16
34	Thermoresponsive hydrogels physically crosslinked with magnetically modified LAPONITE® nanoparticles. <i>Soft Matter</i> , 2020, 16, 5689-5701.	1.2	16
35	Structural features of polymer adsorbent LiChrolut EN and interfacial behavior of water and water/organic mixtures. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 6-17.	5.0	15
36	The heat of immersion of modified silica in polar and nonpolar liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1365-1373.	2.0	15

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37	Evaporation of polar and nonpolar liquids from silica gels and fumed silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 474, 52-62.	2.3	15
38	Regularities in the behaviour of water confined in adsorbents and bioobjects studied by <sup>1</sup> H NMR spectroscopy and TSDC methods at low temperatures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 336, 147-158.	2.3	13
39	Nature and morphology of fumed oxides and features of interfacial phenomena. <i>Applied Surface Science</i> , 2016, 366, 410-423.	3.1	13
40	Hydrophobic properties of hexamethyldisilazane modified nanostructured silica films on glass: effect of plasma pre-treatment of glass and polycondensation features. <i>Materials Research Express</i> , 2018, 5, 016409.	0.8	12
41	Adsorption of methane with the presence of water on oxide, polymer and carbon adsorbents studied using <sup>1</sup> H NMR spectroscopy at low temperatures. <i>Applied Surface Science</i> , 2008, 255, 3310-3317.	3.1	11
42	Nanosized silica-titanium oxide as a potential adsorbent for C.I. Acid Yellow 219 dye removal from textile baths and wastewaters. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 867-876.	1.6	11
43	Silica-supported Ni and Co nanooxides: Colloidal properties and interactions with polar and nonpolar liquids. <i>Journal of Molecular Liquids</i> , 2019, 285, 397-402.	2.3	11
44	Thermosensitive hydrogel nanocomposites with magnetic laponite nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4559-4569.	1.6	11
45	Silica-supported ceria-zirconia and titania-zirconia nanocomposites: Structural characteristics and electro-surface properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 631-638.	2.3	10
46	Comparison of adsorption affinity of anionic polyacrylamide for nanostructured silica-titania mixed oxides. <i>Journal of Molecular Liquids</i> , 2018, 258, 27-33.	2.3	10
47	Effect of the composition and structure of titanosilicas on their photocatalytic activity in the decomposition of methylene blue. <i>Theoretical and Experimental Chemistry</i> , 2006, 42, 26-32.	0.2	9
48	Interfacial phenomena at a surface of partially silylated nanosilica. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 28-39.	5.0	9
49	Wettability and thermal analysis of hydrophobic poly(methyl methacrylate)/silica nanocomposites. <i>Adsorption Science and Technology</i> , 2017, 35, 560-571.	1.5	9
50	Interfacial phenomena in starch/fumed silica at varied hydration levels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 320, 247-259.	2.3	8
51	Interfacial behavior of polar, weakly polar, and nonpolar compounds bound to activated carbons. <i>Journal of Colloid and Interface Science</i> , 2013, 404, 140-149.	5.0	6
52	Synthesis and properties of composites synthesized by deposition of TiO <sub>2</sub> doped with SnO <sub>2</sub> or NiO <sub>2</sub> onto A-300 nanosilica. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013, 49, 541-547.	0.3	5
53	Multi-layer graphene oxide alone and in a composite with nanosilica: Preparation and interactions with polar and nonpolar adsorbates. <i>Applied Surface Science</i> , 2016, 387, 736-749.	3.1	5
54	Heats of immersion of hydroxyapatite and hydroxyapatite/fumed oxides composites in water and n-decane. <i>Materials Chemistry and Physics</i> , 2018, 215, 99-103.	2.0	5

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55	Silica-supported $\text{Ni}_x\text{O}_y$ , $\text{Zn}_x\text{O}_y$ and $\text{Mn}_x\text{O}_y$ nanocomposites: physicochemical characteristics and interactions with water and n-decane. Bulletin of Materials Science, 2019, 42, 1.	0.8	5
56	Integral equation for calculation of distribution function of activation energy of shear viscosity. Journal of Colloid and Interface Science, 2006, 304, 239-245.	5.0	4
57	Macro and micro wettability of hydrophobic siloxane films with hierarchical surface roughness. Smart Materials and Structures, 2018, 27, 075002.	1.8	4
58	Turbidimetric studies of colloidal silica/aqueous solution system stability. Surface Innovations, 2017, 5, 138-146.	1.4	3
59	Adsorptive removal of C.I. Direct Yellow 142 from textile baths using nanosized silica-titanium oxide. European Physical Journal Plus, 2019, 134, 1.	1.2	3
60	Cross-Linked Hydrogels Based on PolyNIPAAm and Acid-Activated Laponite RD: Swelling and Tunable Thermosensitivity. Langmuir, 2022, 38, 5708-5716.	1.6	3
61	The catalytic efficiency of Fe-containing nanocomposites based on highly dispersed silica in the reaction of CO <sub>2</sub> hydrogenation. Research on Chemical Intermediates, 0, , .	1.3	3
62	Structure of aluminosilicate-supported nickel and iron oxides nanocomposites in gaseous and aqueous media. Physicochemical Problems of Mineral Processing, 2021, , .	0.2	2
63	Nanosized Oxides of Different Compositions as Adsorbents for Hazardous Substances Removal from Aqueous Solutions and Wastewaters. Springer Proceedings in Physics, 2018, , 103-126.	0.1	1
64	Equilibrium Contact Angle and Determination of Apparent Surface Free Energy Using Hysteresis Approach on Rough Surfaces. , 2018, , 331-347.		0
65	Influence of water-soluble nonionic polymers adsorption on colloidal properties of nanosilica dispersions. French-Ukrainian Journal of Chemistry, 2019, 7, 57-73.	0.1	0