

Imre Dövényi

List of Publications by Year in descending order

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358
papers

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citations

23567

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367
all docs

367
docs citations

367
times ranked

18084
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of Surface Functional Groups in a Series of Progressively Oxidized Graphite Oxides. Chemistry of Materials, 2006, 18, 2740-2749.	6.7	1,600
2	Graphite Oxide:â€” Chemical Reduction to Graphite and Surface Modification with Primary Aliphatic Amines and Amino Acids. Langmuir, 2003, 19, 6050-6055.	3.5	1,151
3	Layer-by-Layer Self-Assembly of Polyelectrolyte-Semiconductor Nanoparticle Composite Films. The Journal of Physical Chemistry, 1995, 99, 13065-13069.	2.9	770
4	Ultrathin graphite oxide-polyelectrolyte composites prepared by self-assembly: Transition between conductive and non-conductive states. Advanced Materials, 1996, 8, 637-641.	21.0	564
5	DRIFT study of deuterium-exchanged graphite oxide. Carbon, 2005, 43, 3186-3189.	10.3	535
6	Enhanced acidity and pH-dependent surface charge characterization of successively oxidized graphite oxides. Carbon, 2006, 44, 537-545.	10.3	456
7	Hydration behavior and dynamics of water molecules in graphite oxide. Journal of Physics and Chemistry of Solids, 2006, 67, 1106-1110.	4.0	380
8	Mechanism of and Defect Formation in the Self-Assembly of Polymeric Polycationâ”Montmorillonite Ultrathin Films. Journal of the American Chemical Society, 1997, 119, 6821-6832.	13.7	251
9	Composite graphitic nanolayers prepared by self-assembly between finely dispersed graphite oxide and a cationic polymer. Carbon, 2005, 43, 87-94.	10.3	239
10	Asphaltene adsorption on clays and crude oil reservoir rocks. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 137, 373-384.	4.7	175
11	Preparation and Characterization of Clay Mineral Intercalated Titanium Dioxide Nanoparticles. Langmuir, 2003, 19, 2938-2946.	3.5	173
12	Preparation and investigation of structural and photocatalytic properties of phosphate modified titanium dioxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 280, 146-154.	4.7	170
13	Surface and Bulk Composition, Structure, and Photocatalytic Activity of Phosphate-Modified TiO ₂ . Chemistry of Materials, 2007, 19, 4811-4819.	6.7	163
14	Chapter 7.3 Clay Mineral Organic Interactions. Developments in Clay Science, 2006, 1, 309-377.	0.5	159
15	Titaniaâ”Sepiolite Nanocomposites Prepared by a Surfactant Templating Colloidal Route. Chemistry of Materials, 2008, 20, 84-91.	6.7	150
16	Ordering and optical properties of monolayers and multilayers of silica spheres deposited by the Langmuirâ”Blodgett method. Journal of Materials Chemistry, 2002, 12, 3268-3274.	6.7	148
17	Selective liquid sorption properties of hydrophobized graphite oxide nanostructures. Colloid and Polymer Science, 1998, 276, 570-576.	2.1	140
18	Synthesis and structural and photocatalytic properties of TiO ₂ /montmorillonite nanocomposites. Applied Clay Science, 2006, 32, 99-110.	5.2	132

#	ARTICLE	IF	CITATIONS
19	The influence of temperature on the structural behaviour of sodium tri- and hexa-titanates and their protonated forms. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1614-1619.	2.9	126
20	TiO ₂ -Based Photocatalytic Degradation of 2-Chlorophenol Adsorbed on Hydrophobic Clay. <i>Environmental Science & Technology</i> , 2002, 36, 3618-3624.	10.0	121
21	Functionalization of gold nanoparticles with amino acid, Î²-amyloid peptides and fragment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 235-241.	5.0	116
22	Clay Mineralâ€™Organic Interactions. <i>Developments in Clay Science</i> , 2013, 5, 435-505.	0.5	111
23	Colossal Pressureâ€nduced Lattice Expansion of Graphite Oxide in the Presence of Water. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8268-8271.	13.8	109
24	Secondary Structure Dependent Self-Assembly of Î²-Peptides into Nanosized Fibrils and Membranes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2396-2400.	13.8	105
25	Novel Synthesis Pathway of ZnO Nanoparticles from the Spontaneous Hydrolysis of Zinc Carboxylate Salts. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12597-12604.	2.6	104
26	Synthesis and characterization of silver nanoparticle/kaolinite composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 220, 45-54.	4.7	102
27	Removal of 2-chlorophenol from water by adsorption combined with TiO ₂ photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2002, 39, 247-256.	20.2	98
28	Zinc oxide nanoparticles incorporated in ultrathin layer silicate films and their photocatalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 230, 23-35.	4.7	97
29	Hydrothermal synthesis of prism-like and flower-like ZnO and indium-doped ZnO structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 340, 1-9.	4.7	93
30	The structure of acid treated sepiolites: small-angle X-ray scattering and multi MAS-NMR investigations. <i>Applied Clay Science</i> , 1999, 14, 141-160.	5.2	89
31	Synthesis of ZnO Nanoparticles on a Clay Mineral Surface in Dimethyl Sulfoxide Medium. <i>Langmuir</i> , 2004, 20, 2855-2860.	3.5	89
32	Synthesis and catalytic application of Pd nanoparticles in graphite oxide. <i>Carbon</i> , 2008, 46, 1631-1637.	10.3	89
33	Effect of pH on stability and plasmonic properties of cysteine-functionalized silver nanoparticle dispersion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 98, 43-49.	5.0	86
34	Spreading of Clay Organocomplexes on Aqueous Solutions: Construction of Langmuir-Blodgett Clay Organocomplex Multilayer Films. <i>Langmuir</i> , 1994, 10, 3797-3804.	3.5	85
35	Adsorption on hydrophobized surfaces: Clusters and self-organization. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 189-204.	14.7	85
36	A Thermometric Titration Study on the Micelle Formation of Sodium Decyl Sulfate in Water. <i>Journal of Colloid and Interface Science</i> , 2001, 242, 214-219.	9.4	82

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37	Kinetics of silver nanoparticle growth in aqueous polymer solutions. <i>Colloid and Polymer Science</i> , 2004, 283, 299-305.	2.1	82
38	Preparation of Size-Quantized CdS and ZnS Particles in Nanophase Reactors Provided by Binary Liquids Adsorbed at Layered Silicates. <i>Langmuir</i> , 1995, 11, 2285-2292.	3.5	81
39	In Situ Generation of Palladium Nanoparticles in Smectite Clays. <i>Journal of Catalysis</i> , 1996, 161, 401-408.	6.2	81
40	ZnAl-layer double hydroxides as photocatalysts for oxidation of phenol in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 265, 64-72.	4.7	78
41	Two-dimensional ordering of Stober silica particles at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 227, 77-83.	4.7	77
42	Photocatalytic oxidation of organic pollutants on titania-clay composites. <i>Chemosphere</i> , 2008, 70, 538-542.	8.2	77
43	Synthesis and stabilization of Prussian blue nanoparticles and application for sensors. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 176-182.	9.4	74
44	Pressure-Induced Insertion of Liquid Alcohols into Graphite Oxide Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 18445-18449.	13.7	74
45	Synthesis and intercalation of silver nanoparticles in kaolinite/DMSO complexes. <i>Applied Clay Science</i> , 2004, 25, 149-159.	5.2	73
46	Specific Surface Area of Stoeber Silica Determined by Various Experimental Methods. <i>Langmuir</i> , 2002, 18, 2678-2685.	3.5	72
47	Characterization of Polypyrrole-Silver Nanocomposites Prepared in the Presence of Different Dopants. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17474-17478.	2.6	72
48	The kinetics of homogeneous nucleation of silver nanoparticles stabilized by polymers. <i>Journal of Nanoparticle Research</i> , 2007, 9, 353-364.	1.9	72
49	Hydrophobic layered double hydroxides (LDHs): Selective adsorbents for liquid mixtures. <i>Colloid and Polymer Science</i> , 1997, 275, 681-688.	2.1	70
50	Ion exchange and molecular adsorption of a cationic surfactant on clay minerals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 71, 299-307.	4.7	69
51	Growing and stability of gold nanoparticles and their functionalization by cysteine. <i>Gold Bulletin</i> , 2009, 42, 113-123.	2.7	69
52	Preparation and characterization of SnO ₂ nanoparticles of enhanced thermal stability: The effect of phosphoric acid treatment on SnO ₂ ·nH ₂ O. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 268, 147-154.	4.7	68
53	Structural properties and photocatalytic behaviour of phosphate-modified nanocrystalline titania films. <i>Applied Catalysis B: Environmental</i> , 2007, 77, 175-183.	20.2	67
54	Preparation and Characterization of CdS and ZnS Particles in Nanophase Reactors Provided by Binary Liquids Adsorbed at Colloidal Silica Particles. <i>Langmuir</i> , 1996, 12, 3709-3715.	3.5	65

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55	Effect of pH and ionic strength on the interaction of humic acid with aluminium oxide. Colloid and Polymer Science, 2000, 278, 337-345.	2.1	65
56	Sorption and immersionsal wetting on clay minerals having modified surface. Journal of Colloid and Interface Science, 1986, 109, 376-384.	9.4	64
57	Colloid Clay Science. Developments in Clay Science, 2013, 5, 243-345.	0.5	63
58	Sorption and immersionsal wetting on clay minerals having modified surface. I. Surface properties of nonswelling clay mineral organocomplexes. Journal of Colloid and Interface Science, 1985, 103, 321-331.	9.4	60
59	CdS, TiO ₂ and Pd ⁰ nanoparticles growing in the interlamellar space of montmorillonite in binary liquids. Applied Clay Science, 1999, 15, 221-239.	5.2	60
60	Gold nanoparticles formation in the aqueous system of gold(III) chloride complex ions and hydrazine sulfate—Kinetic studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 397, 63-72.	4.7	58
61	Interlamellar Liquid Sorption on Hydrophobic Silicates. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1985, 89, 62-67.	0.9	57
62	Interactions of Hydrophobic Layer Silicates with Alcohol-Benzene Mixtures II. Structure and Composition of the Adsorption Layer. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1986, 90, 427-431.	0.9	57
63	Title is missing!. Catalysis Letters, 2000, 65, 33-42.	2.6	57
64	Small extracellular vesicles convey the stress-induced adaptive responses of melanoma cells. Scientific Reports, 2019, 9, 15329.	3.3	57
65	Photocatalytic water treatment with different TiO ₂ nanoparticles and hydrophilic/hydrophobic layer silicate adsorbents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 230, 89-97.	4.7	55
66	Hybrid Langmuir–Blodgett monolayers containing clay minerals: effect of clay concentration and surface charge density on the film formation. Physical Chemistry Chemical Physics, 2004, 6, 4174-4184.	2.8	55
67	Magnetic iron oxide/clay composites: effect of the layer silicate support on the microstructure and phase formation of magnetic nanoparticles. Nanotechnology, 2007, 18, 285602.	2.6	55
68	Release of cationic drugs from loaded clay minerals. Colloid and Polymer Science, 2001, 279, 1177-1182.	2.1	54
69	Preparation and characterization of mesoporous N-doped and sulfuric acid treated anatase TiO ₂ catalysts and their photocatalytic activity under UV and Vis illumination. Journal of Solid State Chemistry, 2009, 182, 3076-3084.	2.9	54
70	Preparation of Pd ⁰ nanoparticles stabilized by polymers and layered silicate. Applied Clay Science, 2001, 19, 155-172.	5.2	52
71	Sorption and elution of asphaltenes from porous silica surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 194, 25-39.	4.7	52
72	Adhesion and inactivation of Gram-negative and Gram-positive bacteria on photoreactive TiO ₂ /polymer and Ag ⁺ -TiO ₂ /polymer nanohybrid films. Applied Surface Science, 2016, 371, 139-150.	6.1	52

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73	Immersional wetting and adsorption displacement on hydrophilic/hydrophobic surfaces. Journal of Colloid and Interface Science, 1991, 147, 119-128.	9.4	51
74	Structural characterization of arsenate ion exchanged MgAl-layered double hydroxide. Applied Clay Science, 2009, 44, 75-82.	5.2	50
75	Adsorption of 1-butanol from water on modified silicate surfaces. Colloid and Polymer Science, 1994, 272, 1129-1135.	2.1	49
76	Synthesis and characterization of Ag/Au alloy and core(Ag)â€“shell(Au) nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 281-287.	4.7	49
77	Photooxidation of organic dye molecules on TiO2 and zincâ€“aluminum layered double hydroxide ultrathin multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 265, 155-162.	4.7	48
78	Isothermal titration calorimetric studies of the pH induced conformational changes of bovine serum albumin. Journal of Thermal Analysis and Calorimetry, 2009, 96, 1009-1017.	3.6	47
79	A redox strategy to tailor the release properties of Fe(III)-alginate aerogels for oral drug delivery. Carbohydrate Polymers, 2018, 188, 159-167.	10.2	47
80	Adsorption of liquid mixtures on bentonite and organophilic bentonite. Journal of Colloid and Interface Science, 1975, 50, 265-271.	9.4	46
81	The effect of particle shape on the activity of nanocrystalline TiO2 photocatalysts in phenol decomposition. Part 3: The importance of surface quality. Applied Catalysis B: Environmental, 2010, 96, 577-585.	20.2	46
82	Silver and gold modified plasmonic TiO2 hybrid films for photocatalytic decomposition of ethanol under visible light. Catalysis Today, 2012, 181, 156-162.	4.4	46
83	Liquid adsorption and immersional wetting on hydrophilic/hydrophobic solid surfaces. Pure and Applied Chemistry, 1992, 64, 1499-1509.	1.9	45
84	Layer-by-Layer Construction of Ultrathin Hybrid Films with Proteins and Clay Minerals. Journal of Physical Chemistry C, 2007, 111, 12730-12740.	3.1	45
85	Photocatalyst separation from aqueous dispersion using graphene oxide/TiO2 nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 230-239.	4.7	45
86	Reduction of Tetrachloroaurate(III) Ions With Bioligands: Role of the Thiol and Amine Functional Groups on the Structure and Optical Features of Gold Nanohybrid Systems. Nanomaterials, 2019, 9, 1229.	4.1	45
87	Quantitative Characterization of Hydrophilicâˆ“Hydrophobic Properties of MWNTs Surfaces. Langmuir, 2004, 20, 1656-1661.	3.5	44
88	Targeting of the kynurenic acid across the bloodâˆ“brain barrier by core-shell nanoparticles. European Journal of Pharmaceutical Sciences, 2016, 86, 67-74.	4.0	44
89	Displacement processes on hydrophilic/hydrophobic surfaces in 1-propanol-water mixtures. Colloid and Polymer Science, 1994, 272, 1136-1142.	2.1	43
90	Preparation of silver nanoparticles in liquid crystalline systems. Colloid and Polymer Science, 2002, 280, 461-470.	2.1	43

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91	Preparation of semiconductor and transition metal nanoparticles on colloidal solid supports. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 141, 405-417.	4.7	42
92	Magnetically Modified Single and Turbostratic Stacked Graphenes from Tris(2,2-â€²-bipyridyl) Iron(II) Ion-Exchanged Graphite Oxide. Journal of Physical Chemistry B, 2008, 112, 14461-14469.	2.6	42
93	Structural and thermal properties of polystyrene nanocomposites containing hydrophilic and hydrophobic layered double hydroxides. Applied Clay Science, 2013, 77-78, 46-51.	5.2	42
94	Synthesis of Polymer-Stabilized Nanosized Rhodium Particles in the Interlayer Space of Layered Silicates. Chemistry of Materials, 2004, 16, 1674-1685.	6.7	41
95	Graphite Oxide as a Novel Host Material of Catalytically Active Pd Nanoparticles. Catalysis Letters, 2008, 124, 34-38.	2.6	41
96	Photocatalytic activity of silver-modified titanium dioxide at solid-â€²liquid and solid-â€²gas interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 136-142.	4.7	40
97	Enthalpy of displacement of binary liquid mixtures on solid surfaces part I. Analysis of u-shaped isotherms. Colloids and Surfaces, 1986, 19, 47-66.	0.9	39
98	Interlamellar adsorption of 1-pentanol from aqueous solution on hydrophobic clay mineral. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 119, 7-13.	4.7	39
99	Preparation of ultrathin membranes by layer-by-layer deposition of layered double hydroxide (LDH) and polystyrene sulfonate (PSS). Colloid and Polymer Science, 2005, 283, 1050-1055.	2.1	39
100	Size dependent photocatalytic activity of hydrothermally crystallized titania nanoparticles on poorly adsorbing phenol in absence and presence of fluoride ion. Applied Catalysis B: Environmental, 2007, 72, 314-321.	20.2	39
101	Hybrid Langmuir-â€²Blodgett monolayers of graphite oxide nanosheets. Carbon, 2010, 48, 1676-1680.	10.3	39
102	BSA/polyelectrolyte core-â€²shell nanoparticles for controlled release of encapsulated ibuprofen. Colloids and Surfaces B: Biointerfaces, 2014, 123, 616-622.	5.0	39
103	Investigation of the antibacterial effects of silver-modified TiO2 and ZnO plasmonic photocatalysts embedded in polymer thin films. Environmental Science and Pollution Research, 2014, 21, 11155-11167.	5.3	39
104	Synthesis and utilization of poly (methylmethacrylate) nanocomposites based on modified montmorillonite. Arabian Journal of Chemistry, 2017, 10, 631-642.	4.9	39
105	Optical properties and electric conductivity of gold nanoparticle-containing, hydrogel-based thin layer composite films obtained by photopolymerization. Applied Surface Science, 2010, 256, 2809-2817.	6.1	38
106	Stressors alter intercellular communication and exosome profile of nasopharyngeal carcinoma cells. Journal of Oral Pathology and Medicine, 2017, 46, 259-266.	2.7	38
107	Van der Waals attraction between StÄ½ber silica particles in a binary solvent system. Colloid and Polymer Science, 1996, 274, 779-787.	2.1	37
108	Adsorption of protamine and papain proteins on saponite. Clays and Clay Minerals, 2008, 56, 494-504.	1.3	37

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109	Nanocarbons by High-Temperature Decomposition of Graphite Oxide at Various Pressures. Journal of Physical Chemistry C, 2009, 113, 11279-11284.	3.1	37
110	Red-emitting gold nanoclusters for rapid fluorescence sensing of tryptophan metabolites. Sensors and Actuators B: Chemical, 2019, 288, 728-733.	7.8	37
111	Preparation and hydrogen sorption of Pd nanoparticles on Al ₂ O ₃ pillared clays. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 139, 109-118.	4.7	36
112	Mesoporous silica core-shell composite functionalized with polyelectrolytes for drug delivery. Microporous and Mesoporous Materials, 2015, 213, 134-141.	4.4	36
113	Preparation and Structural Properties of Tin Oxide-Montmorillonite Nanocomposites. Langmuir, 2003, 19, 3762-3769.	3.5	33
114	A Layered Titanium Phosphate Ti ₂ O ₃ (H ₂ PO ₄) ₂ ·2H ₂ O with Rectangular Morphology: Synthesis, Structure, and Cysteamine Intercalation. Chemistry of Materials, 2010, 22, 4356-4363.	6.7	33
115	Effect of surface modification on solid-liquid interfacial adsorption of mixtures. Journal of Colloid and Interface Science, 1978, 66, 197-199.	9.4	32
116	Layered solid particles as self-assembled films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 123-124, 391-401.	4.7	32
117	Adsorption of dodecyl pyridinium chloride on monodisperse porous silica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 141, 327-336.	4.7	32
118	Preparation of an organophilic palladium montmorillonite catalyst in a micellar system. Chemical Communications, 1999, , 1925-1926.	4.1	32
119	Preparation and structural properties of Pd nanoparticles in layered silicate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 174, 387-402.	4.7	32
120	Adsorption Calorimetric Study of the Organization of Sodium n-Decyl Sulfate at the Graphite/Solution Interface. Langmuir, 2001, 17, 2420-2425.	3.5	32
121	Preparation of Pt nanoparticles in the presence of a chiral modifier and catalytic applications in chemoselective and asymmetric hydrogenations. Journal of Materials Chemistry, 2005, 15, 2464.	6.7	32
122	Optical properties of zinc peroxide and zinc oxide multilayer nanohybrid films. Applied Surface Science, 2009, 255, 6953-6962.	6.1	32
123	Swelling properties of copolymer hydrogels in the presence of montmorillonite and alkylammonium montmorillonite. Applied Clay Science, 2009, 43, 260-270.	5.2	32
124	Preparation of transparent conductive indium tin oxide thin films from nanocrystalline indium tin hydroxide by dip-coating method. Thin Solid Films, 2011, 519, 3113-3118.	1.8	32
125	Sorption and immersional wetting properties of palygorskite and its hexadecylpyridinium derivatives. Journal of Colloid and Interface Science, 1983, 93, 151-161.	9.4	31
126	Displacement processes on hydrophilic/hydrophobic surfaces in methanol-water mixtures. Colloid and Polymer Science, 1992, 270, 1027-1034.	2.1	31

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127	Metal nanoparticle formation on layer silicate lamellae. Colloid and Polymer Science, 2008, 286, 3-14.	2.1	31
128	Comparative study of particle size analysis of hydroxyapatite-based nanomaterials. Chemical Papers, 2013, 67, .	2.2	31
129	Selective Sorption of Phenol and Related Compounds from Aqueous Solutions onto Graphitized Carbon Black. Adsorption and Flow Microcalorimetric Studies. Langmuir, 1996, 12, 423-430.	3.5	30
130	Hydrogenation reactions on heterogenized Wilkinson complexes. Journal of Molecular Catalysis A, 1999, 139, 227-234.	4.8	30
131	Surface fractal and structural properties of layered clay minerals monitored by small-angle X-ray scattering and low-temperature nitrogen adsorption experiments. Colloid and Polymer Science, 2003, 281, 73-78.	2.1	30
132	Hydrophobization of bovine serum albumin with cationic surfactants with different hydrophobic chain length. Colloids and Surfaces B: Biointerfaces, 2010, 79, 61-68.	5.0	30
133	Bovine serum albumin-sodium alkyl sulfates bioconjugates as drug delivery systems. Colloids and Surfaces B: Biointerfaces, 2015, 130, 126-132.	5.0	30
134	Layered double oxide (LDO) particle containing photoreactive hybrid layers with tunable superhydrophobic and photocatalytic properties. Applied Surface Science, 2016, 389, 294-302.	6.1	30
135	Hydroxyapatite-enhanced structural, photocatalytic and antibacterial properties of photoreactive TiO ₂ /HAp/polyacrylate hybrid thin films. Surface and Coatings Technology, 2017, 326, 316-326.	4.8	30
136	Enthalpy of displacement of binary liquid mixtures on solid surfaces part II. Analysis of S-shaped excess isotherms. Colloids and Surfaces, 1987, 23, 41-55.	0.9	29
137	Metal ion coordination of macromolecular bioligands: formation of zinc(II) complex of hyaluronic acid. Carbohydrate Research, 2001, 332, 197-207.	2.3	29
138	Intercalation of lecithins for preparation of layered nanohybrid materials and adsorption of limonene. Applied Clay Science, 2013, 72, 155-162.	5.2	29
139	Structural, optical and photoelectric properties of indium-doped zinc oxide nanoparticles prepared in dimethyl sulphoxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 318, 141-150.	4.7	28
140	Comparative study of the kinetics and equilibrium of phenol biosorption on immobilized white-rot fungus Phanerochaete chrysosporium from aqueous solution. Colloids and Surfaces B: Biointerfaces, 2013, 103, 381-390.	5.0	28
141	Determination of the structure and composition of Au-Ag bimetallic spherical nanoparticles using single particle ICP-MS measurements performed with normal and high temporal resolution. Talanta, 2018, 179, 193-199.	5.5	28
142	The effect of synthesis conditions and tunable hydrophilicity on the drug encapsulation capability of PLA and PLGA nanoparticles. Colloids and Surfaces B: Biointerfaces, 2019, 176, 212-218.	5.0	28
143	Selective liquid adsorption and structural properties of montmorillonite and its hexadecylpyridinium derivatives. Colloid and Polymer Science, 1978, 256, 150-160.	2.1	27
144	Wetting and adsorption on organophilic illites and swelling montmorillonites in methanol-benzene mixtures. Colloid and Polymer Science, 1988, 266, 82-96.	2.1	27

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145	Adsorption of salicylate on alumina surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 141, 319-325.	4.7	27
146	Cadmium Ion Adsorption Controls the Growth of CdS Nanoparticles on Layered Montmorillonite and Calumit Surfaces. Journal of Colloid and Interface Science, 1999, 213, 584-591.	9.4	27
147	Orientation and conformation of octadecyl rhodamine B in hybrid Langmuir-Blodgett monolayers containing clay minerals. Physical Chemistry Chemical Physics, 2004, 6, 5347-5352.	2.8	27
148	Layered double hydroxides for ultrathin hybrid film preparation using layer-by-layer and spin coating methods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 116-121.	4.7	27
149	Investigation of the <i>in vitro</i> photocatalytic antibacterial activity of nanocrystalline TiO ₂ and coupled TiO ₂ /Ag containing copolymer on the surface of medical grade titanium. Journal of Biomaterials Applications, 2016, 31, 55-67.	2.4	27
150	Enthalpy of displacement of binary liquid mixtures on solid surfaces part III. Determination of the adsorption capacity from calorimetric and adsorption data. Colloids and Surfaces, 1987, 23, 57-68.	0.9	26
151	Thermodynamic properties of the S/L interfacial layer: Stabilization of the colloidal system in binary liquids. Pure and Applied Chemistry, 1993, 65, 901-906.	1.9	26
152	Adsorption of nitrobenzene and n-pentanol from aqueous solution on hydrophilic and hydrophobic clay minerals. Colloid and Polymer Science, 1996, 274, 981-988.	2.1	26
153	Photocatalytic degradation of hydrocarbons by bentonite and TiO ₂ in aqueous suspensions containing surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 230, 191-199.	4.7	26
154	Surfacial, liquid sorption and monolayer-forming properties of hydrophilic and hydrophobic Stöber silica particles. Colloid and Polymer Science, 2003, 282, 1-6.	2.1	26
155	Preparation of ultrathin membranes by layer-by-layer (LBL) deposition of oppositely charged inorganic colloids. Colloid and Polymer Science, 2006, 284, 611-619.	2.1	26
156	Photooxidation of dichloroacetic acid controlled by pH-stat technique using TiO ₂ /layer silicate nanocomposites. Applied Catalysis B: Environmental, 2006, 68, 49-58.	20.2	26
157	Comprehensive study on the structure of the BSA from extended to aged form in wide (2-12) pH range. International Journal of Biological Macromolecules, 2016, 88, 51-58.	7.5	26
158	Interaction of monovalent cationic drugs with montmorillonite. Colloid and Polymer Science, 2002, 280, 372-379.	2.1	25
159	Preparation of nanosize cerium oxide particles in W/O microemulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 345, 31-40.	4.7	25
160	Interaction of biofunctionalized gold nanoparticles with model phospholipid membranes. Colloid and Polymer Science, 2014, 292, 2715-2725.	2.1	25
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