

Imre DÃ©kÃ¡ny

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/225820/publications.pdf>

Version: 2024-02-01

358
papers

16,659
citations

23500

58
h-index

21474

114
g-index

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. <i>Chemistry of Materials</i> , 2006, 18, 2740-2749.	3.2	1,600
2	Graphite Oxide:â€% Chemical Reduction to Graphite and Surface Modification with Primary Aliphatic Amines and Amino Acids. <i>Langmuir</i> , 2003, 19, 6050-6055.	1.6	1,151
3	Layer-by-Layer Self-Assembly of Polyelectrolyte-Semiconductor Nanoparticle Composite Films. <i>The Journal of Physical Chemistry</i> , 1995, 99, 13065-13069.	2.9	770
4	Ultrathin graphite oxide-polyelectrolyte composites prepared by self-assembly: Transition between conductive and non-conductive states. <i>Advanced Materials</i> , 1996, 8, 637-641.	11.1	564
5	DRIFT study of deuterium-exchanged graphite oxide. <i>Carbon</i> , 2005, 43, 3186-3189.	5.4	535
6	Enhanced acidity and pH-dependent surface charge characterization of successively oxidized graphite oxides. <i>Carbon</i> , 2006, 44, 537-545.	5.4	456
7	Hydration behavior and dynamics of water molecules in graphite oxide. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1106-1110.	1.9	380
8	Mechanism of and Defect Formation in the Self-Assembly of Polymeric Polycationâ™Montmorillonite Ultrathin Films. <i>Journal of the American Chemical Society</i> , 1997, 119, 6821-6832.	6.6	251
9	Composite graphitic nanolayers prepared by self-assembly between finely dispersed graphite oxide and a cationic polymer. <i>Carbon</i> , 2005, 43, 87-94.	5.4	239
10	Asphaltene adsorption on clays and crude oil reservoir rocks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 137, 373-384.	2.3	175
11	Preparation and Characterization of Clay Mineral Intercalated Titanium Dioxide Nanoparticles. <i>Langmuir</i> , 2003, 19, 2938-2946.	1.6	173
12	Preparation and investigation of structural and photocatalytic properties of phosphate modified titanium dioxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 280, 146-154.	2.3	170
13	Surface and Bulk Composition, Structure, and Photocatalytic Activity of Phosphate-Modified TiO ₂ . <i>Chemistry of Materials</i> , 2007, 19, 4811-4819.	3.2	163
14	Chapter 7.3 Clay Mineral Organic Interactions. <i>Developments in Clay Science</i> , 2006, 1, 309-377.	0.3	159
15	Titaniaâ™Sepiolite Nanocomposites Prepared by a Surfactant Templating Colloidal Route. <i>Chemistry of Materials</i> , 2008, 20, 84-91.	3.2	150
16	Ordering and optical properties of monolayers and multilayers of silica spheres deposited by the Langmuirâ€Blodgett method. <i>Journal of Materials Chemistry</i> , 2002, 12, 3268-3274.	6.7	148
17	Selective liquid sorption properties of hydrophobized graphite oxide nanostructures. <i>Colloid and Polymer Science</i> , 1998, 276, 570-576.	1.0	140
18	Synthesis and structural and photocatalytic properties of TiO ₂ /montmorillonite nanocomposites. <i>Applied Clay Science</i> , 2006, 32, 99-110.	2.6	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.	1.4	126
20	TiO ₂ -Based Photocatalytic Degradation of 2-Chlorophenol Adsorbed on Hydrophobic Clay. <i>Environmental Science & Technology</i> , 2002, 36, 3618-3624.	4.6	121
21	Functionalization of gold nanoparticles with amino acid, β -amyloid peptides and fragment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 235-241.	2.5	116
22	Clay Mineral-Organic Interactions. <i>Developments in Clay Science</i> , 2013, 5, 435-505.	0.3	111
23	Colossal Pressure-Induced Lattice Expansion of Graphite Oxide in the Presence of Water. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8268-8271.	7.2	109
24	Secondary Structure Dependent Self-Assembly of β -Peptides into Nanosized Fibrils and Membranes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2396-2400.	7.2	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.	1.2	104
26	Synthesis and characterization of silver nanoparticle/kaolinite composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 220, 45-54.	2.3	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.	10.8	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.	2.3	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.	2.3	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.	2.6	89
31	Synthesis of ZnO Nanoparticles on a Clay Mineral Surface in Dimethyl Sulfoxide Medium. <i>Langmuir</i> , 2004, 20, 2855-2860.	1.6	89
32	Synthesis and catalytic application of Pd nanoparticles in graphite oxide. <i>Carbon</i> , 2008, 46, 1631-1637.	5.4	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.	2.5	86
34	Spreading of Clay Organocomplexes on Aqueous Solutions: Construction of Langmuir-Blodgett Clay Organocomplex Multilayer Films. <i>Langmuir</i> , 1994, 10, 3797-3804.	1.6	85
35	Adsorption on hydrophobized surfaces: Clusters and self-organization. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 189-204.	7.0	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.	5.0	82

#	ARTICLE	IF	CITATIONS
37	Kinetics of silver nanoparticle growth in aqueous polymer solutions. <i>Colloid and Polymer Science</i> , 2004, 283, 299-305.	1.0	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.	1.6	81
39	In Situ Generation of Palladium Nanoparticles in Smectite Clays. <i>Journal of Catalysis</i> , 1996, 161, 401-408.	3.1	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.	2.3	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.	2.3	77
42	Photocatalytic oxidation of organic pollutants on titania-clay composites. <i>Chemosphere</i> , 2008, 70, 538-542.	4.2	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.	5.0	74
44	Pressure-Induced Insertion of Liquid Alcohols into Graphite Oxide Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 18445-18449.	6.6	74
45	Synthesis and intercalation of silver nanoparticles in kaolinite/DMSO complexes. <i>Applied Clay Science</i> , 2004, 25, 149-159.	2.6	73
46	Specific Surface Area of Stoeber Silica Determined by Various Experimental Methods. <i>Langmuir</i> , 2002, 18, 2678-2685.	1.6	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.	1.2	72
48	The kinetics of homogeneous nucleation of silver nanoparticles stabilized by polymers. <i>Journal of Nanoparticle Research</i> , 2007, 9, 353-364.	0.8	72
49	Hydrophobic layered double hydroxides (LDHs): Selective adsorbents for liquid mixtures. <i>Colloid and Polymer Science</i> , 1997, 275, 681-688.	1.0	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.	2.3	69
51	Growing and stability of gold nanoparticles and their functionalization by cysteine. <i>Gold Bulletin</i> , 2009, 42, 113-123.	3.2	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.	2.3	68
53	Structural properties and photocatalytic behaviour of phosphate-modified nanocrystalline titania films. <i>Applied Catalysis B: Environmental</i> , 2007, 77, 175-183.	10.8	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.	1.6	65

#	ARTICLE	IF	CITATIONS
55	Effect of pH and ionic strength on the interaction of humic acid with aluminium oxide. <i>Colloid and Polymer Science</i> , 2000, 278, 337-345.	1.0	65
56	Sorption and immersional wetting on clay minerals having modified surface. <i>Journal of Colloid and Interface Science</i> , 1986, 109, 376-384.	5.0	64
57	Colloid Clay Science. <i>Developments in Clay Science</i> , 2013, 5, 243-345.	0.3	63
58	Sorption and immersional wetting on clay minerals having modified surface. I. Surface properties of nonswelling clay mineral organocomplexes. <i>Journal of Colloid and Interface Science</i> , 1985, 103, 321-331.	5.0	60
59	CdS, TiO ₂ and Pd ⁰ nanoparticles growing in the interlamellar space of montmorillonite in binary liquids. <i>Applied Clay Science</i> , 1999, 15, 221-239.	2.6	60
60	Gold nanoparticles formation in the aqueous system of gold(III) chloride complex ions and hydrazine sulfate—Kinetic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 397, 63-72.	2.3	58
61	Interlamellar Liquid Sorption on Hydrophobic Silicates. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 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. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1986, 90, 427-431.	0.9	57
63	Title is missing!. <i>Catalysis Letters</i> , 2000, 65, 33-42.	1.4	57
64	Small extracellular vesicles convey the stress-induced adaptive responses of melanoma cells. <i>Scientific Reports</i> , 2019, 9, 15329.	1.6	57
65	Photocatalytic water treatment with different TiO ₂ nanoparticles and hydrophilic/hydrophobic layer silicate adsorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 230, 89-97.	2.3	55
66	Hybrid Langmuir–Blodgett monolayers containing clay minerals: effect of clay concentration and surface charge density on the film formation. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4174-4184.	1.3	55
67	Magnetic iron oxide/clay composites: effect of the layer silicate support on the microstructure and phase formation of magnetic nanoparticles. <i>Nanotechnology</i> , 2007, 18, 285602.	1.3	55
68	Release of cationic drugs from loaded clay minerals. <i>Colloid and Polymer Science</i> , 2001, 279, 1177-1182.	1.0	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. <i>Journal of Solid State Chemistry</i> , 2009, 182, 3076-3084.	1.4	54
70	Preparation of Pd ⁰ nanoparticles stabilized by polymers and layered silicate. <i>Applied Clay Science</i> , 2001, 19, 155-172.	2.6	52
71	Sorption and elution of asphaltenes from porous silica surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 194, 25-39.	2.3	52
72	Adhesion and inactivation of Gram-negative and Gram-positive bacteria on photoreactive TiO ₂ /polymer and Ag–TiO ₂ /polymer nanohybrid films. <i>Applied Surface Science</i> , 2016, 371, 139-150.	3.1	52

#	ARTICLE	IF	CITATIONS
73	Immersional wetting and adsorption displacement on hydrophilic/hydrophobic surfaces. <i>Journal of Colloid and Interface Science</i> , 1991, 147, 119-128.	5.0	51
74	Structural characterization of arsenate ion exchanged MgAl-layered double hydroxide. <i>Applied Clay Science</i> , 2009, 44, 75-82.	2.6	50
75	Adsorption of 1-butanol from water on modified silicate surfaces. <i>Colloid and Polymer Science</i> , 1994, 272, 1129-1135.	1.0	49
76	Synthesis and characterization of Ag/Au alloy and core(Ag)@shell(Au) nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 281-287.	2.3	49
77	Photooxidation of organic dye molecules on TiO ₂ and zinc-aluminum layered double hydroxide ultrathin multilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 265, 155-162.	2.3	48
78	Isothermal titration calorimetric studies of the pH induced conformational changes of bovine serum albumin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 1009-1017.	2.0	47
79	A redox strategy to tailor the release properties of Fe(III)-alginate aerogels for oral drug delivery. <i>Carbohydrate Polymers</i> , 2018, 188, 159-167.	5.1	47
80	Adsorption of liquid mixtures on bentonite and organophilic bentonite. <i>Journal of Colloid and Interface Science</i> , 1975, 50, 265-271.	5.0	46
81	The effect of particle shape on the activity of nanocrystalline TiO ₂ photocatalysts in phenol decomposition. Part 3: The importance of surface quality. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 577-585.	10.8	46
82	Silver and gold modified plasmonic TiO ₂ hybrid films for photocatalytic decomposition of ethanol under visible light. <i>Catalysis Today</i> , 2012, 181, 156-162.	2.2	46
83	Liquid adsorption and immersional wetting on hydrophilic/hydrophobic solid surfaces. <i>Pure and Applied Chemistry</i> , 1992, 64, 1499-1509.	0.9	45
84	Layer-by-Layer Construction of Ultrathin Hybrid Films with Proteins and Clay Minerals. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12730-12740.	1.5	45
85	Photocatalyst separation from aqueous dispersion using graphene oxide/TiO ₂ nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 433, 230-239.	2.3	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. <i>Nanomaterials</i> , 2019, 9, 1229.	1.9	45
87	Quantitative Characterization of Hydrophilic~Hydrophobic Properties of MWNTs Surfaces. <i>Langmuir</i> , 2004, 20, 1656-1661.	1.6	44
88	Targeting of the kynurenic acid across the blood-brain barrier by core-shell nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 86, 67-74.	1.9	44
89	Displacement processes on hydrophilic/hydrophobic surfaces in 1-propanol-water mixtures. <i>Colloid and Polymer Science</i> , 1994, 272, 1136-1142.	1.0	43
90	Preparation of silver nanoparticles in liquid crystalline systems. <i>Colloid and Polymer Science</i> , 2002, 280, 461-470.	1.0	43

#	ARTICLE	IF	CITATIONS
91	Preparation of semiconductor and transition metal nanoparticles on colloidal solid supports. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 141, 405-417.	2.3	42
92	Magnetically Modified Single and Turbostratic Stacked Graphenes from Tris(2,2'-bipyridyl) Iron(II) Ion-Exchanged Graphite Oxide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14461-14469.	1.2	42
93	Structural and thermal properties of polystyrene nanocomposites containing hydrophilic and hydrophobic layered double hydroxides. <i>Applied Clay Science</i> , 2013, 77-78, 46-51.	2.6	42
94	Synthesis of Polymer-Stabilized Nanosized Rhodium Particles in the Interlayer Space of Layered Silicates. <i>Chemistry of Materials</i> , 2004, 16, 1674-1685.	3.2	41
95	Graphite Oxide as a Novel Host Material of Catalytically Active Pd Nanoparticles. <i>Catalysis Letters</i> , 2008, 124, 34-38.	1.4	41
96	Photocatalytic activity of silver-modified titanium dioxide at solid-liquid and solid-gas interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 319, 136-142.	2.3	40
97	Enthalpy of displacement of binary liquid mixtures on solid surfaces part I. Analysis of u-shaped isotherms. <i>Colloids and Surfaces</i> , 1986, 19, 47-66.	0.9	39
98	Interlamellar adsorption of 1-pentanol from aqueous solution on hydrophobic clay mineral. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 119, 7-13.	2.3	39
99	Preparation of ultrathin membranes by layer-by-layer deposition of layered double hydroxide (LDH) and polystyrene sulfonate (PSS). <i>Colloid and Polymer Science</i> , 2005, 283, 1050-1055.	1.0	39
100	Size dependent photocatalytic activity of hydrothermally crystallized titania nanoparticles on poorly adsorbing phenol in absence and presence of fluoride ion. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 314-321.	10.8	39
101	Hybrid Langmuir-Blodgett monolayers of graphite oxide nanosheets. <i>Carbon</i> , 2010, 48, 1676-1680.	5.4	39
102	BSA/polyelectrolyte core-shell nanoparticles for controlled release of encapsulated ibuprofen. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 616-622.	2.5	39
103	Investigation of the antibacterial effects of silver-modified TiO ₂ and ZnO plasmonic photocatalysts embedded in polymer thin films. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11155-11167.	2.7	39
104	Synthesis and utilization of poly (methylmethacrylate) nanocomposites based on modified montmorillonite. <i>Arabian Journal of Chemistry</i> , 2017, 10, 631-642.	2.3	39
105	Optical properties and electric conductivity of gold nanoparticle-containing, hydrogel-based thin layer composite films obtained by photopolymerization. <i>Applied Surface Science</i> , 2010, 256, 2809-2817.	3.1	38
106	Stressors alter intercellular communication and exosome profile of nasopharyngeal carcinoma cells. <i>Journal of Oral Pathology and Medicine</i> , 2017, 46, 259-266.	1.4	38
107	Van der Waals attraction between Stober silica particles in a binary solvent system. <i>Colloid and Polymer Science</i> , 1996, 274, 779-787.	1.0	37
108	Adsorption of protamine and papain proteins on saponite. <i>Clays and Clay Minerals</i> , 2008, 56, 494-504.	0.6	37

#	ARTICLE	IF	CITATIONS
109	Nanocarbons by High-Temperature Decomposition of Graphite Oxide at Various Pressures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11279-11284.	1.5	37
110	Red-emitting gold nanoclusters for rapid fluorescence sensing of tryptophan metabolites. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 728-733.	4.0	37
111	Preparation and hydrogen sorption of Pd nanoparticles on Al ₂ O ₃ pillared clays. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 139, 109-118.	2.3	36
112	Mesoporous silica core-shell composite functionalized with polyelectrolytes for drug delivery. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 134-141.	2.2	36
113	Preparation and Structural Properties of Tin Oxide-Montmorillonite Nanocomposites. <i>Langmuir</i> , 2003, 19, 3762-3769.	1.6	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. <i>Chemistry of Materials</i> , 2010, 22, 4356-4363.	3.2	33
115	Effect of surface modification on solid-liquid interfacial adsorption of mixtures. <i>Journal of Colloid and Interface Science</i> , 1978, 66, 197-199.	5.0	32
116	Layered solid particles as self-assembled films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 123-124, 391-401.	2.3	32
117	Adsorption of dodecyl pyridinium chloride on monodisperse porous silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 141, 327-336.	2.3	32
118	Preparation of an organophilic palladium montmorillonite catalyst in a micellar system. <i>Chemical Communications</i> , 1999, , 1925-1926.	2.2	32
119	Preparation and structural properties of Pd nanoparticles in layered silicate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 174, 387-402.	2.3	32
120	Adsorption Calorimetric Study of the Organization of Sodium n-Decyl Sulfate at the Graphite/Solution Interface. <i>Langmuir</i> , 2001, 17, 2420-2425.	1.6	32
121	Preparation of Pt nanoparticles in the presence of a chiral modifier and catalytic applications in chemoselective and asymmetric hydrogenations. <i>Journal of Materials Chemistry</i> , 2005, 15, 2464.	6.7	32
122	Optical properties of zinc peroxide and zinc oxide multilayer nanohybrid films. <i>Applied Surface Science</i> , 2009, 255, 6953-6962.	3.1	32
123	Swelling properties of copolymer hydrogels in the presence of montmorillonite and alkylammonium montmorillonite. <i>Applied Clay Science</i> , 2009, 43, 260-270.	2.6	32
124	Preparation of transparent conductive indium tin oxide thin films from nanocrystalline indium tin hydroxide by dip-coating method. <i>Thin Solid Films</i> , 2011, 519, 3113-3118.	0.8	32
125	Sorption and immersionsal wetting properties of palygorskite and its hexadecylpyridinium derivatives. <i>Journal of Colloid and Interface Science</i> , 1983, 93, 151-161.	5.0	31
126	Displacement processes on hydrophilic/hydrophobic surfaces in methanol-water mixtures. <i>Colloid and Polymer Science</i> , 1992, 270, 1027-1034.	1.0	31

#	ARTICLE	IF	CITATIONS
127	Metal nanoparticle formation on layer silicate lamellae. <i>Colloid and Polymer Science</i> , 2008, 286, 3-14.	1.0	31
128	Comparative study of particle size analysis of hydroxyapatite-based nanomaterials. <i>Chemical Papers</i> , 2013, 67, .	1.0	31
129	Selective Sorption of Phenol and Related Compounds from Aqueous Solutions onto Graphitized Carbon Black. <i>Adsorption and Flow Microcalorimetric Studies</i> . <i>Langmuir</i> , 1996, 12, 423-430.	1.6	30
130	Hydrogenation reactions on heterogenized Wilkinson complexes. <i>Journal of Molecular Catalysis A</i> , 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. <i>Colloid and Polymer Science</i> , 2003, 281, 73-78.	1.0	30
132	Hydrophobization of bovine serum albumin with cationic surfactants with different hydrophobic chain length. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 61-68.	2.5	30
133	Bovine serum albumin-sodium alkyl sulfates bioconjugates as drug delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 130, 126-132.	2.5	30
134	Layered double oxide (LDO) particle containing photoreactive hybrid layers with tunable superhydrophobic and photocatalytic properties. <i>Applied Surface Science</i> , 2016, 389, 294-302.	3.1	30
135	Hydroxyapatite-enhanced structural, photocatalytic and antibacterial properties of photoreactive TiO ₂ /HA/polyacrylate hybrid thin films. <i>Surface and Coatings Technology</i> , 2017, 326, 316-326.	2.2	30
136	Enthalpy of displacement of binary liquid mixtures on solid surfaces part II. Analysis of S-shaped excess isotherms. <i>Colloids and Surfaces</i> , 1987, 23, 41-55.	0.9	29
137	Metal ion coordination of macromolecular bioligands: formation of zinc(II) complex of hyaluronic acid. <i>Carbohydrate Research</i> , 2001, 332, 197-207.	1.1	29
138	Intercalation of lecithins for preparation of layered nanohybrid materials and adsorption of limonene. <i>Applied Clay Science</i> , 2013, 72, 155-162.	2.6	29
139	Structural, optical and photoelectric properties of indium-doped zinc oxide nanoparticles prepared in dimethyl sulphoxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 141-150.	2.3	28
140	Comparative study of the kinetics and equilibrium of phenol biosorption on immobilized white-rot fungus <i>Phanerochaete chrysosporium</i> from aqueous solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 381-390.	2.5	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. <i>Talanta</i> , 2018, 179, 193-199.	2.9	28
142	The effect of synthesis conditions and tunable hydrophilicity on the drug encapsulation capability of PLA and PLGA nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 212-218.	2.5	28
143	Selective liquid adsorption and structural properties of montmorillonite and its hexadecylpyridinium derivatives. <i>Colloid and Polymer Science</i> , 1978, 256, 150-160.	1.0	27
144	Wetting and adsorption on organophilic illites and swelling montmorillonites in methanol-benzene mixtures. <i>Colloid and Polymer Science</i> , 1988, 266, 82-96.	1.0	27

#	ARTICLE	IF	CITATIONS
145	Adsorption of salicylate on alumina surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 141, 319-325.	2.3	27
146	Cadmium Ion Adsorption Controls the Growth of CdS Nanoparticles on Layered Montmorillonite and Calumit Surfaces. <i>Journal of Colloid and Interface Science</i> , 1999, 213, 584-591.	5.0	27
147	Orientation and conformation of octadecyl rhodamine B in hybrid Langmuir-Blodgett monolayers containing clay minerals. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5347-5352.	1.3	27
148	Layered double hydroxides for ultrathin hybrid film preparation using layer-by-layer and spin coating methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 319, 116-121.	2.3	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. <i>Journal of Biomaterials Applications</i> , 2016, 31, 55-67.	1.2	27
150	Enthalpy of displacement of binary liquid mixtures on solid surfaces part III. Determination of the adsorption capacity from calorimetric and adsorption data. <i>Colloids and Surfaces</i> , 1987, 23, 57-68.	0.9	26
151	Thermodynamic properties of the S/L interfacial layer: Stabilization of the colloidal system in binary liquids. <i>Pure and Applied Chemistry</i> , 1993, 65, 901-906.	0.9	26
152	Adsorption of nitrobenzene and n-pentanol from aqueous solution on hydrophilic and hydrophobic clay minerals. <i>Colloid and Polymer Science</i> , 1996, 274, 981-988.	1.0	26
153	Photocatalytic degradation of hydrocarbons by bentonite and TiO ₂ in aqueous suspensions containing surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 230, 191-199.	2.3	26
154	Surface, liquid sorption and monolayer-forming properties of hydrophilic and hydrophobic Stüßer silica particles. <i>Colloid and Polymer Science</i> , 2003, 282, 1-6.	1.0	26
155	Preparation of ultrathin membranes by layer-by-layer (LBL) deposition of oppositely charged inorganic colloids. <i>Colloid and Polymer Science</i> , 2006, 284, 611-619.	1.0	26
156	Photooxidation of dichloroacetic acid controlled by pH-stat technique using TiO ₂ /layer silicate nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2006, 68, 49-58.	10.8	26
157	Comprehensive study on the structure of the BSA from extended-to aged form in wide (2-12) pH range. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 51-58.	3.6	26
158	Interaction of monovalent cationic drugs with montmorillonite. <i>Colloid and Polymer Science</i> , 2002, 280, 372-379.	1.0	25
159	Preparation of nanosize cerium oxide particles in W/O microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 345, 31-40.	2.3	25
160	Interaction of biofunctionalized gold nanoparticles with model phospholipid membranes. <i>Colloid and Polymer Science</i> , 2014, 292, 2715-2725.	1.0	25
161	Wetting, swelling and sediment volumes of organophilic clays. <i>Colloids and Surfaces</i> , 1986, 18, 359-371.	0.9	24
162	The properties of the adsorption layer and the stability of aerosol dispersions in binary liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 71, 241-254.	2.3	24

#	ARTICLE	IF	CITATIONS
163	Photocatalytic performance of silver-modified TiO ₂ embedded in poly(ethyl-acrylate-co-methyl) Tj ETQq1 1 0.784314.rgBT /Oyerlock 10	1.0	24
164	Sol-gel synthesis of nanostructured indium tin oxide with controlled morphology and porosity. Applied Surface Science, 2014, 320, 725-731.	3.1	24
165	Nucleotide-directed syntheses of gold nanohybrid systems with structure-dependent optical features: Selective fluorescence sensing of Fe ³⁺ ions. Colloids and Surfaces B: Biointerfaces, 2017, 155, 135-141.	2.5	24
166	Dimensional characterization of gold nanorods by combining millisecond and microsecond temporal resolution single particle ICP-MS measurements. Journal of Analytical Atomic Spectrometry, 2017, 32, 2455-2462.	1.6	24
167	Cross-linked and hydrophobized hyaluronic acid-based controlled drug release systems. Carbohydrate Polymers, 2018, 195, 99-106.	5.1	24
168	Colloid synthesis of monodisperse Pd nanoparticles in layered silicates. Solid State Ionics, 2001, 141-142, 169-176.	1.3	23
169	Effect of heat treatment on synthetic carbon precursors. Carbon, 2003, 41, 1205-1214.	5.4	23
170	X-ray investigation of the role of the mixed emulsifier in the structure formation in o/w creams. Colloid and Polymer Science, 2007, 285, 657-663.	1.0	23
171	Structural, optical, and adsorption properties of ZnO ₂ /poly(acrylic acid) hybrid thin porous films prepared by ionic strength controlled layer-by-layer method. Journal of Colloid and Interface Science, 2009, 332, 173-182.	5.0	23
172	Photocatalytic, photoelectrochemical, and antibacterial activity of benign-by-design mechanochemically synthesized metal oxide nanomaterials. Catalysis Today, 2017, 284, 3-10.	2.2	23
173	Preparation of novel tissue acidosis-responsive chitosan drug nanoparticles: Characterization and in vitro release properties of Ca ²⁺ channel blocker nimodipine drug molecules. European Journal of Pharmaceutical Sciences, 2018, 123, 79-88.	1.9	23
174	Chitosan nanoparticles release nimodipine in response to tissue acidosis to attenuate spreading depolarization evoked during forebrain ischemia. Neuropharmacology, 2020, 162, 107850.	2.0	23
175	Adsorption behavior of radioiodides in hexadecylpyridinium humate complexes. Applied Clay Science, 2001, 19, 27-37.	2.6	22
176	Short-Chain alkylammonium montmorillonites and alcohols: gas adsorption and immersional wetting. Clay Minerals, 1989, 24, 631-647.	0.2	21
177	Cadmium sulfide particles in organomontmorillonite complexes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 71, 317-326.	2.3	21
178	A new way for calculating the adsorption capacity from surface excess isotherms. Colloid and Polymer Science, 1998, 276, 511-517.	1.0	21
179	Interlamellar adsorption of organic pollutants in hydrophobic montmorillonite. Colloid and Polymer Science, 2001, 279, 459-467.	1.0	21
180	Experimental and numerical results in hydrothermal synthesis of CuInS ₂ compound semiconductor nanocrystals. Journal of Crystal Growth, 2005, 275, e2383-e2387.	0.7	21

#	ARTICLE	IF	CITATIONS
181	Layer-by-layer self-assembly preparation of layered double hydroxide/polyelectrolyte nanofilms monitored by surface plasmon resonance spectroscopy. <i>Colloid and Polymer Science</i> , 2005, 283, 937-945.	1.0	21
182	Nucleation and growth of silver nanoparticles monitored by titration microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 587-594.	2.0	21
183	Adsorption of Ibuprofen and Dopamine on Functionalized Gold Using Surface Plasmon Resonance Spectroscopy at Solid-Liquid Interface. <i>Croatica Chemica Acta</i> , 2013, 86, 287-295.	0.1	21
184	Spherical LDH ^{Ag} -Montmorillonite Heterocoagulated System with a pH-Dependent Sol-Gel Structure for Controlled Accessibility of AgNPs Immobilized on the Clay Lamellae. <i>Langmuir</i> , 2015, 31, 2019-2027.	1.6	21
185	The liquid-crystal structure of adsorbed layers and the stability of dispersed systems in organic liquids. <i>Colloids and Surfaces</i> , 1989, 41, 107-121.	0.9	20
186	Thermodynamics of multilayer adsorption of aqueous butanol solution onto Printex and graphitised Printex carbon blacks. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 3373.	1.0	20
187	Structural properties of palladium nanoparticles embedded in inverse microemulsions. <i>Colloid and Polymer Science</i> , 2001, 279, 449-458.	1.0	20
188	Hybrid ZnO/polymer thin films prepared by RF magnetron sputtering. <i>Colloid and Polymer Science</i> , 2009, 287, 481-485.	1.0	20
189	Influence of pH and aurate/amino acid ratios on the tuneable optical features of gold nanoparticles and nanoclusters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 601-608.	2.3	20
190	The Effect of Cadmium Ion Adsorption on the Growth of CdS Nanoparticles at Colloidal Silica Particle Interfaces in Binary Liquids. <i>Journal of Colloid and Interface Science</i> , 1997, 195, 307-315.	5.0	19
191	Stabilization of palladium nanoparticles by polymers and layer silicates. <i>Colloid and Polymer Science</i> , 2003, 281, 727-737.	1.0	19
192	Investigation of the structure and swelling of poly(N-isopropyl-acrylamide-acrylamide) and poly(N-isopropyl-acrylamide-acrylic acid) based copolymer and composite hydrogels. <i>Colloid and Polymer Science</i> , 2008, 286, 1575-1585.	1.0	19
193	Formation of gold nanoparticles in diblock copolymer micelles with various reducing agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 865-872.	2.0	19
194	The significance of colloidal hydrocarbons in crude oil production Part 1. New aspects of the stability and rheological properties of water-crude oil emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 113, 279-293.	2.3	18
195	Sorption and Microcalorimetric Investigations of Palladium/Hydrogen Interactions on Palladium ²⁺ Graphimetric Intercalation Catalyst. <i>Langmuir</i> , 1997, 13, 465-468.	1.6	18
196	Structural properties of nonionic surfactant/glycerol/paraffin lyotropic liquid crystals. <i>Colloid and Polymer Science</i> , 2003, 281, 839-844.	1.0	18
197	Structural and photooxidation properties of SnO ₂ /layer silicate nanocomposites. <i>Applied Clay Science</i> , 2004, 27, 29-40.	2.6	18
198	Surface and Structural Properties of Gold Nanoparticles and Their Biofunctionalized Derivatives in Aqueous Electrolytes Solution. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 815-825.	1.3	18

#	ARTICLE	IF	CITATIONS
199	New insights into the relationship between structure and photocatalytic properties of TiO ₂ catalysts. RSC Advances, 2015, 5, 2421-2428.	1.7	18
200	Room temperature ethanol sensor with sub-ppm detection limit: Improving the optical response by using mesoporous silica foam. Sensors and Actuators B: Chemical, 2017, 243, 1205-1213.	4.0	18
201	Rheological, adsorption and stability behaviour of hydrophobic aerosil particles in binary liquid mixtures. Colloids and Surfaces, 1991, 61, 331-348.	0.9	17
202	Calculation of the BET Compatible Surface Area from Any Type I Isotherms Measured below the Critical Temperature. Journal of Colloid and Interface Science, 1999, 212, 402-410.	5.0	17
203	Infrared reflection absorption spectroscopy study of smectite clay monolayers. Thin Solid Films, 2004, 466, 291-294.	0.8	17
204	Structural and luminescence properties of Y ₂ O ₃ :Eu ³⁺ core-shell nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 405, 6-13.	2.3	17
205	Kinetic and Thermodynamic Evaluation of Kynurenic Acid Binding to GluR1 ²⁷⁰⁻³⁰⁰ Polypeptide by Surface Plasmon Resonance Experiments. Journal of Physical Chemistry B, 2016, 120, 7844-7850.	1.2	17
206	Calorimetric Study of Sorption of Hydrogen by Carbon-Supported Palladium. Langmuir, 1998, 14, 1281-1282.	1.6	16
207	Effect of different treatments on Aerosil silica-supported Pd nanoparticles produced by controlled colloidal synthesis™. Solid State Ionics, 2001, 141-142, 147-152.	1.3	16
208	Alkylthiol-functionalized gold nanoparticles for sensing organic vapours: The connection between the adsorption isotherm and the sensor resistance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 329, 205-210.	2.3	16
209	Thermodynamic and kinetic characterization of pH-dependent interactions between bovine serum albumin and ibuprofen in 2D and 3D systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 471-478.	2.3	16
210	Preparation and investigation of core-shell nanoparticles containing human interferon- β . International Journal of Pharmaceutics, 2020, 573, 118825.	2.6	16
211	Transformation of carbon compounds on graphimetal catalysts IX. Structural properties and catalytic activity of Pd-graphimetal. Applied Catalysis A: General, 1996, 144, 237-248.	2.2	15
212	Nucleation and growth of palladium nanoparticles stabilized by polymers and layer silicates. Colloid and Polymer Science, 2006, 284, 1049-1056.	1.0	15
213	Effects of phosphate modification on the structure and surface properties of ordered mesoporous SnO ₂ . Microporous and Mesoporous Materials, 2010, 134, 79-86.	2.2	15
214	Highly transparent ITO thin films on photosensitive glass: sol-gel synthesis, structure, morphology and optical properties. Applied Physics A: Materials Science and Processing, 2012, 107, 385-392.	1.1	15
215	Liquid sorption and immersional wetting on dealuminated Y-type zeolites. Journal of Colloid and Interface Science, 1986, 112, 261-267.	5.0	14
216	Heats of immersion in monolayer adsorption from binary liquid mixtures on heterogeneous solid surfaces: Equations for excess isotherms and heats of immersion corresponding to condensation approximation and Rudzinski-Jagiello approach. Journal of Colloid and Interface Science, 1986, 112, 473-483.	5.0	14

#	ARTICLE	IF	CITATIONS
217	Algebraic and geometric interpretations of adsorption excess quantities. <i>Colloid and Polymer Science</i> , 1988, 266, 663-671.	1.0	14
218	Calculation of the change in the solid-liquid interfacial tension for adsorption from binary liquid mixtures. <i>Colloids and Surfaces</i> , 1988, 34, 1-11.	0.9	14
219	Small angle X-ray scattering of hydrophilic and hydrophobic SiO ₂ particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 126, 59-66.	2.3	14
220	Measurements of Interaction Forces between Polycations, between Clay Nanoplatelets, and between Polycations and Clay Nanoplatelets by Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10579-10587.	1.2	14
221	Optical properties of zinc oxide ultrathin hybrid films on silicon wafer prepared by layer-by-layer method. <i>Thin Solid Films</i> , 2008, 516, 3009-3014.	0.8	14
222	Size-dependent photoluminescence properties of bare ZnO and polyethylene imine stabilized ZnO nanoparticles and their Langmuir-Blodgett films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 364, 26-33.	2.3	14
223	Hydrothermal synthesis and humidity sensing property of ZnO nanostructures and ZnOIn(OH) ₃ nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 100-109.	5.0	14
224	ZnO ₂ nanohybrid thin film sensor for the detection of ethanol vapour at room temperature using reflectometric interference spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 435-442.	4.0	14
225	Gold nanohybrid systems with tunable fluorescent feature: Interaction of cysteine and cysteine-containing peptides with gold in two- and three-dimensional systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 264-271.	2.3	14
226	Evaluation of pH-responsive poly(styrene-co-maleic acid) copolymer nanoparticles for the encapsulation and pH-dependent release of ketoprofen and tocopherol model drugs. <i>European Polymer Journal</i> , 2019, 114, 361-368.	2.6	14
227	Microcalorimetric and catalytic investigations of transition metal nanoparticles intercalated in graphite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 141, 397-403.	2.3	13
228	Two-dimensional arrangement of monodisperse ZnO particles with Langmuir-Blodgett technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 80-89.	2.3	13
229	A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 53-58.	2.2	13
230	Anti-ulcerant kynurenic acid molecules intercalated Mg/Al-layered double hydroxide and its release study. <i>Applied Clay Science</i> , 2018, 156, 28-35.	2.6	13
231	Preparation of photocatalytic thin films with composition dependent wetting properties and self-healing ability. <i>Catalysis Today</i> , 2019, 328, 85-90.	2.2	13
232	Liquid sorption and wetting oil hydrophilic/hydrophobic layer silicates. <i>Colloids and Surfaces</i> , 1991, 58, 251-261.	0.9	12
233	The structure of chiral phenylethylammonium montmorillonites in ethanol-toluene mixtures. <i>Colloid and Polymer Science</i> , 1999, 277, 340-346.	1.0	12
234	Preparation of hexagonally aligned inorganic nanoparticles from diblock copolymer micellar systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 331, 213-219.	2.3	12

#	ARTICLE	IF	CITATIONS
235	AFM Study of Smectites in Hybrid Langmuir-Blodgett Films: Saponite, Wyoming Bentonite, Hectorite, and Laponite. <i>Clays and Clay Minerals</i> , 2009, 57, 706-714.	0.6	12
236	Stabilisation of SWNTs by alkyl-sulfate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties. <i>Nanoscale</i> , 2011, 3, 1218.	2.8	12
237	Titanate nanotube thin films with enhanced thermal stability and high-transparency prepared from additive-free sols. <i>Journal of Solid State Chemistry</i> , 2012, 192, 342-350.	1.4	12
238	Controlled syntheses and structural characterization of plasmonic and red-emitting gold/lysozyme nanohybrid dispersions. <i>Colloid and Polymer Science</i> , 2016, 294, 49-58.	1.0	12
239	Sorption of binary liquid mixtures on polymer networks Part I. Determination of surface excess isotherms and free energy functions. <i>Colloid and Polymer Science</i> , 1992, 270, 68-77.	1.0	11
240	Preparation of nanosize FeS particles on SiO ₂ and clay mineral supports: SAXS and Mössbauer spectroscopic measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 119, 195-203.	2.3	11
241	Multilayer adsorption with variable thickness at solid-liquid interfaces. <i>Colloid and Polymer Science</i> , 1997, 275, 876-882.	1.0	11
242	Variable thickness of the liquid sorption layers on solid surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 141, 305-317.	2.3	11
243	Optical and structural properties of protein/gold hybrid bio-nanofilms prepared by layer-by-layer method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 276-283.	2.5	11
244	Growth of raspberry-, prism- and flower-like ZnO particles using template-free low-temperature hydrothermal method and their application as humidity sensors. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	11
245	Optimization of the Field Enhancement and Spectral Bandwidth of Single and Coupled Bimetal Core-Shell Nanoparticles for Few-Cycle Laser Applications. <i>Plasmonics</i> , 2012, 7, 99-106.	1.8	11
246	Graphite Oxide-TiO ₂ Nanocomposite Type Photocatalyst for Methanol Photocatalytic Reforming Reaction. <i>Topics in Catalysis</i> , 2018, 61, 1323-1334.	1.3	11
247	Mössbauer spectroscopy of tin tetrachloride solutions trapped in the pores of a "thirsty glass"™ carrier. <i>Inorganica Chimica Acta</i> , 1985, 100, 17-21.	1.2	10
248	Surface modification and surface thermodynamic potential functions at the s/l interface. <i>Colloids and Surfaces</i> , 1990, 49, 81-93.	0.9	10
249	Transformation of carbon compounds on graphimetal catalysts. Part V. The effect of pretreatment on the structure and activity of Pt-graphimetal catalyst. <i>Journal of Molecular Catalysis A</i> , 1995, 99, 115-121.	4.8	10
250	Selective liquid sorption and wetting of pillared montmorillonites. <i>Clay Minerals</i> , 1997, 32, 331-339.	0.2	10
251	Separation of the First Adsorbed Layer from Others and Calculation of the BET Compatible Surface Area from Type II Isotherms. <i>Journal of Colloid and Interface Science</i> , 1999, 212, 411-418.	5.0	10
252	The effect of nanoparticle growth on rheological properties of silica and silicate dispersions. <i>Colloid and Polymer Science</i> , 2000, 278, 211-219.	1.0	10

#	ARTICLE	IF	CITATIONS
253	Formation of octacalcium phosphate by heterogeneous nucleation on a titania surface. <i>Colloid and Polymer Science</i> , 2005, 283, 587-592.	1.0	10
254	Structural Characterization of Self-Assembled Polypeptide Films on Titanium and Glass Surfaces by Atomic Force Microscopy. <i>Biomacromolecules</i> , 2005, 6, 3345-3350.	2.6	10
255	The effect of surface modification of layer silicates on the thermoanalytical properties of poly(NIPAAm-co-AAm) based composite hydrogels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 485-493.	2.0	10
256	Optical, structural and adsorption properties of zinc peroxide/hydrogel nanohybrid films. <i>Applied Surface Science</i> , 2010, 256, 5349-5354.	3.1	10
257	Preparation and properties of nanoscale containers for biomedical application in drug delivery: preliminary studies with kynurenic acid. <i>Journal of Neural Transmission</i> , 2012, 119, 115-121.	1.4	10
258	Adsorption of Arsenic on MgAl Layered Double Hydroxide. <i>Croatica Chemica Acta</i> , 2013, 86, 273-279.	0.1	10
259	Determination of binding capacity and adsorption enthalpy between Human Glutamate Receptor (GluR1) peptide fragments and kynurenic acid by surface plasmon resonance experiments. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 924-929.	2.5	10
260	Intercalation and coordination of copper(II)-2,2'-bipyridine complexes into graphite oxide. <i>Carbon</i> , 2014, 72, 425-428.	5.4	10
261	Confocal Raman spectroscopy to monitor intracellular penetration of TiO ₂ nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 807-813.	1.2	10
262	Collective Plasmonic Resonances on Arrays of Cysteine-Functionalized Silver Nanoparticle Aggregates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17940-17955.	1.5	10
263	Thermodynamic Characterization of Temperature- and Composition-Dependent Mixed Micelle Formation in Aqueous Medium. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1291-1299.	1.0	10
264	Enthalpy and entropy effects in adsorption and displacement. <i>Colloids and Surfaces</i> , 1990, 49, 95-101.	0.9	9
265	Preparation, characterization and application of platinum catalysts immobilized on clays. <i>Solid State Ionics</i> , 2001, 141-142, 273-278.	1.3	9
266	Thin films of layered double hydroxide and silver-doped polystyrene particles. <i>Applied Clay Science</i> , 2011, 51, 241-249.	2.6	9
267	Comparative Study of Plasmonic Properties of Cysteine-Functionalized Gold and Silver Nanoparticle Aggregates. <i>Plasmonics</i> , 2013, 8, 53-62.	1.8	9
268	Fine structure of gold nanoparticles stabilized by buthlyldithiol: Species identified by Mössbauer spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 260-266.	2.3	9
269	Microstructuration of poly(3-hexylthiophene) leads to bifunctional superhydrophobic and photoreactive surfaces. <i>Chemical Communications</i> , 2018, 54, 650-653.	2.2	9
270	Thermodynamic formulation of adsorption phenomena at the solid/solution interface: A practical approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 71, 287-292.	2.3	8

#	ARTICLE	IF	CITATIONS
271	Acrylamide, Acrylic Acid and N-Isopropylacrylamide Hydrogels as Osmotic Tissue Expanders. <i>Skin Pharmacology and Physiology</i> , 2009, 22, 305-312.	1.1	8
272	Photocatalysis on silver-layer silicate/titanium dioxide composite thin films at solid/vapour interface. <i>Catalysis Today</i> , 2009, 144, 160-165.	2.2	8
273	Use of non-living lyophilized <i>Phanerochaete chrysosporium</i> cultivated in various media for phenol removal. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8550-8562.	2.7	8
274	Preparation of sulfur hydrophobized plasmonic photocatalyst towards durable superhydrophobic coating material. <i>Journal of Materials Science and Technology</i> , 2020, 41, 159-167.	5.6	8
275	A Stimulus-Responsive Polymer Composite Surface with Magnetic Field-Governed Wetting and Photocatalytic Properties. <i>Polymers</i> , 2020, 12, 1890.	2.0	8
276	Non-equilibrium effects in liquid-solid chromatography and flow sorption microcalorimetry. , 1990, , 68-74.		7
277	Adsorption and microcalorimetric investigations of n-butylamine intercalation in $\hat{1}\pm$ - and $\hat{1}^3$ -zirconium phosphates. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 190, 167-174.	0.7	7
278	Small-angle X-ray scattering of colloidal aerosil particles in binary liquid mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 133, 233-243.	2.3	7
279	Characterisation of surface modified polystyrene particles by microcalorimetry and liquid sorption. <i>Thermochimica Acta</i> , 1999, 337, 55-63.	1.2	7
280	Structural properties of cationic surfactant/pentanol/water systems and their interaction with negatively charged layer silicates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 183-185, 715-724.	2.3	7
281	Thermoanalytical and structural properties of metal oxide semiconductor and palladium/layer silicate nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 595-604.	2.0	7
282	The Effect of Transition Metal Doping on the Photooxidation Process of Titania-Clay Composites. <i>International Journal of Photoenergy</i> , 2008, 2008, 1-9.	1.4	7
283	Enhanced Photoluminescence of ZnO Langmuir-Blodgett Films on Gold-Coated Substrates by Plasmonic Coupling. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15667-15674.	1.5	7
284	Synthesis and catalytic investigation of organophilic Pd/graphite oxide nanocomposites. <i>Catalysis Communications</i> , 2012, 17, 104-107.	1.6	7
285	Determination of binding capacity and adsorption enthalpy between Human Glutamate Receptor (GluR1) peptide fragments and kynurenic acid by surface plasmon resonance experiments. Part 2: Interaction of GluR1270-300 with KYNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 66-72.	2.5	7
286	Photocatalytic elimination of interfacial water pollutants by floatable photoreactive composite nanoparticles. <i>Environmental Pollution</i> , 2020, 266, 115285.	3.7	7
287	Rational Mitomycin Nanocarriers Based on Hydrophobically Functionalized Polyelectrolytes and Poly(lactide-co-glycolide). <i>Langmuir</i> , 2022, 38, 5404-5417.	1.6	7
288	Growth of Pd nanoparticles on layer silicates hydrophobized with alkyl chains in ethanol-tetrahydrofuran mixtures. <i>Colloid and Polymer Science</i> , 2002, 280, 956-962.	1.0	6

#	ARTICLE	IF	CITATIONS
289	Surface Characteristics, Hydrogen Sorption, and Catalytic Properties of Pd~Zr Alloys. Langmuir, 2003, 19, 3692-3697.	1.6	6
290	Colloid chemical characterisation of layered titanates, their hydrophobic derivatives and self-assembled films. Colloid and Polymer Science, 2005, 283, 1116-1122.	1.0	6
291	Preparation and Properties of a Graphene Oxide Intercalation Compound Utilizing Hydrocalumite Layered Double Hydroxide as Host Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1413-1419.	0.6	6
292	Sensitive detection of aflatoxin B1 molecules on gold SPR chip surface using functionalized gold nanoparticles. Cereal Research Communications, 2015, 43, 426-437.	0.8	6
293	Reflectometric measurement of n-hexane adsorption on ZnO2 nanohybrid film modified by hydrophobic gold nanoparticles. Applied Surface Science, 2015, 333, 48-53.	3.1	6
294	Nonactivated titanium-dioxide nanoparticles promote the growth of Chlamydia trachomatis and decrease the antimicrobial activity of silver nanoparticles. Journal of Applied Microbiology, 2017, 123, 1335-1345.	1.4	6
295	First Surfactant-Polymer EOR Injectivity Test in the Algy� Field, Hungary. , 2017, , .		6
296	Visible Light-Generated Antiviral Effect on Plasmonic Ag-TiO2-Based Reactive Nanocomposite Thin Film. Frontiers in Bioengineering and Biotechnology, 2021, 9, 709462.	2.0	6
297	Antioxidant colloids via heteroaggregation of cerium oxide nanoparticles and latex beads. Colloids and Surfaces B: Biointerfaces, 2022, 216, 112531.	2.5	6
298	Interlamellar adsorption of alcohols 4. Adsorption properties of crystalline silicas. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 71, 219-231.	2.3	5
299	Compression study on hydrophobic layered silicates dispersed in organic liquid mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 71, 269-276.	2.3	5
300	Preparation of CdS and ZnS Particles in Nanophase Reactors Provided by Binary Liquids Adsorbed at Layered Clay and Spherical Silica Particle Surfaces. , 1996, , 443-455.		5
301	Multilayer Adsorption on Solid Surfaces: Calculation of Layer Thickness on the Basis of the Athermal Parallel Layer Model. Journal of Colloid and Interface Science, 2001, 243, 37-45.	5.0	5
302	Binary solvent mixture adsorption as a characterisation tool to determine the hydrophilic/hydrophobic properties of multiwall carbon nanotubes. Chemical Communications, 2003, , 2746.	2.2	5
303	Surface modification of activated carbon and fullerene black by Diels-Alder reaction. Colloid and Polymer Science, 2004, 283, 237-242.	1.0	5
304	Plasmonic structure generation by laser illumination of silica colloid spheres deposited onto prepatterned polymer-bimetal films. Applied Surface Science, 2009, 255, 5138-5145.	3.1	5
305	Three-dimensionally embedded indium tin oxide (ITO) films in photosensitive glass: a transparent and conductive platform for microdevices. Applied Physics A: Materials Science and Processing, 2011, 102, 265-269.	1.1	5
306	Silver and Phosphate Functionalized Reactive TiO2/Polymer Composite Films for Destructions of Resistant Bacteria Using Visible Light. Journal of Advanced Oxidation Technologies, 2012, 15, .	0.5	5

#	ARTICLE	IF	CITATIONS
307	Low-temperature sintering behavior of nanocrystalline indium tin oxide prepared from polymer-containing sols. <i>Materials Research Bulletin</i> , 2012, 47, 933-940.	2.7	5
308	Catalytic investigation of PdCl ₂ (TDA) ₂ immobilized on hydrophobic graphite oxide in the hydrogenation of 1-pentyne and the Heck coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 113, 61-68.	0.8	5
309	Modelling and Characterization of the Sorption of Kynurenic Acid on Protein Surfaces. <i>Periodica Polytechnica: Chemical Engineering</i> , 2017, 61, 3.	0.5	5
310	The Theoretical Concept of Polarization Reflectometric Interference Spectroscopy (PRIFS): An Optical Method to Monitor Molecule Adsorption and Nanoparticle Adhesion on the Surface of Thin Films. <i>Photonics</i> , 2019, 6, 76.	0.9	5
311	Fundamentals and utilization of solid/ liquid phase boundary interactions on functional surfaces. <i>Advances in Colloid and Interface Science</i> , 2022, 303, 102657.	7.0	5
312	Flow microcalorimetry and competitive liquid sorption I. Sorption behaviour of some polymer networks. <i>Thermochimica Acta</i> , 1996, 271, 59-66.	1.2	4
313	Preparation and Characterization of New Chirally Modified Laponites. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 341, 339-344.	0.3	4
314	Title is missing!. <i>Journal of Porous Materials</i> , 2001, 8, 49-59.	1.3	4
315	Colloid and surface properties of clays and related minerals. <i>Reaction Kinetics and Catalysis Letters</i> , 2002, 77, 393-394.	0.6	4
316	LED-light Activated Antibacterial Surfaces Using Silver-modified TiO ₂ Embedded in Polymer Matrix. <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	4
317	Detection of biomolecules and bioconjugates by monitoring rotated grating-coupled surface plasmon resonance. <i>Optical Materials Express</i> , 2017, 7, 3181.	1.6	4
318	TiO ₂ /Ag@TiO ₂ Nanohybrid Films are Cytocompatible with Primary Epithelial Cells of Human Origin: An <i>In Vitro</i> Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3916-3924.	0.9	4
319	Characterization of the solvent specific evaporation from a fluoropolymer surface roughened by layered double oxide (LDO) particles. <i>Journal of Molecular Liquids</i> , 2020, 305, 112826.	2.3	4
320	Use of Self-Assembled Colloidal Prodrug Nanoparticles for Controlled Drug Delivery of Anticancer, Antifibrotic and Antibacterial Mitomycin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6807.	1.8	4
321	Synthesis of self-cleaning and photoreactive spherical layered double oxide/polymer composite thin layers: Biofouling and inactivation of bacteria. <i>Applied Clay Science</i> , 2022, 228, 106587.	2.6	4
322	Interpretation of adsorption excess quantities: the absolute surface excess concentration. <i>Colloid and Polymer Science</i> , 1990, 268, 687-690.	1.0	3
323	Mössbauer spectroscopy of liquid SnCl ₄ solutions trapped in a rigid microemulsion. <i>Structural Chemistry</i> , 1991, 2, (69)277-(72)280.	1.0	3
324	The use of rigid organic microemulsions to fix liquid solutions for Mössbauer studies. <i>Inorganica Chimica Acta</i> , 1992, 198-200, 867-871.	1.2	3

#	ARTICLE	IF	CITATIONS
325	Liquid Sorption and Nanoparticle Intercalation in Layer-Structured Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 341, 363-368.	0.3	3
326	Light scattering and the fractal properties of hydrophilic and hydrophobic SiO ₂ aggregates in ethanol-toluene binary mixtures. <i>Colloid and Polymer Science</i> , 2002, 280, 736-743.	1.0	3
327	Functionalized gold nanoparticles for 2-naphthol binding and their fluorescence properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 244-251.	2.3	3
328	Surface wetting driven release of antifibrotic Mitomycin-C drug from modified biopolymer thin films. <i>European Polymer Journal</i> , 2020, 139, 109995.	2.6	3
329	Time-dependent changes of adsorption and wetting properties of pillared montmorillonites. <i>Clay Minerals</i> , 2000, 35, 763-769.	0.2	3
330	Surface reaction of triethanolamine on cement clinkers. <i>Colloids and Surfaces</i> , 1986, 20, 121-131.	0.9	2
331	Sorption properties of celluloses in binary liquid mixtures. <i>Colloid and Polymer Science</i> , 1992, 270, 470-477.	1.0	2
332	Mössbauer study of a rigid organic microemulsion used as carrier for fixing a methanolic solution of ascorbic acid complexes of iron. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 799-804.	2.0	2
333	Mössbauer study of the structure of liquid nanophases trapped in porous silicate and solid microemulsion matrix. <i>Colloid and Polymer Science</i> , 1997, 275, 587-592.	1.0	2
334	Interaction between silica nanoparticles in binary liquid mixtures: the effect of polarity on adhesion. <i>Colloid and Polymer Science</i> , 2003, 281, 845-851.	1.0	2
335	Incorporation of silver nanoparticles in kaolinite clays. , 2003, , .		2
336	Metal and semiconductor nanoparticles stabilized in ultrathin nanofilms and layer-structured materials. , 2003, 5118, 441.		2
337	Formulation of an intermediate product from human serum albumin for the production of a solid dosage form. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 741-746.	2.0	2
338	Numerical investigation of the plasmonic properties of bare and cysteine-functionalized silver nanoparticles. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
339	Fast optical method for characterizing plasmonic nanoparticle adhesion on functionalized surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3395-3404.	1.9	2
340	Cu-superconductors in organic catalysis, II. The conversion of benzyl alcohol on various Cu-catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1996, 59, 285-293.	0.6	1
341	Nanolayer liquid density on hydrophobic surfaces. <i>Colloid and Polymer Science</i> , 1998, 276, 1145-1150.	1.0	1
342	Stabilization of rhodium nanoparticles in an aqueous medium by polymer and layered silicates. , 2003, 5118, 646.		1

#	ARTICLE	IF	CITATIONS
343	Surface porosity of fullerene black adsorbents modified by the Diels-Alder reaction. Carbon, 2004, 42, 677-679.	5.4	1
344	The influence of the interfacial properties of composite catalyst material on the photocatalytic conversion of TiO ₂ layer silicates. Periodica Polytechnica: Chemical Engineering, 2009, 53, 31.	0.5	1
345	Photooxidation of ethanol on Cu-layer silicate/TiO ₂ composite thin films. Reaction Kinetics and Catalysis Letters, 2009, 96, 367-377.	0.6	1
346	¹⁵¹ Eu Mössbauer study of luminescent Y ₂ O ₃ :Eu ³⁺ core-shell nanoparticles. Hyperfine Interactions, 2013, 218, 23-28.	0.2	1
347	Preparation of Nanoparticles in the Interfacial Layer of Binary Liquids on Solid Supports. , 1996, , 293-324.		1
348	Some Colloidal Routes to Synthesize Metal Nanoparticle-Based Catalysts. , 2012, , 413-457.		1
349	Solid/Liquid Interaction on Hydrophilic/Hydrophobic Adsorbents: Sorption, Microcalorimetric and SAXS Experiments. , 1997, , 369-406.		1
350	Effect of the Dealumination of Y-Type Zeolites on Their Wetting Properties. Studies in Surface Science and Catalysis, 1985, 24, 385-391.	1.5	0
351	Ferenc Szántó (1925-1989). Colloids and Surfaces, 1990, 49, vii.	0.9	0
352	Honoring Janos H. Fendler. Colloid and Polymer Science, 2008, 286, 1-2.	1.0	0
353	Title is missing!. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 1.	2.3	0
354	Composition dependent changes in the swelling and mechanical properties of nanocomposite hydrogels. Nanopages, 2009, 4, 13-32.	0.2	0
355	Synthesis, Structure, and Photocatalytic Activity of Titanium Dioxide and Some of Its Surface-Modified Derivatives. , 2012, , 459-489.		0
356	Superoxide dismutase inspired immobilised Ni(II)-protected amino acid catalysts—Synthesis, characterisation, and catalytic activity. Journal of Molecular Catalysis A, 2014, 395, 93-99.	4.8	0
357	Preparation and Antibacterial Properties of Reactive Surface Coatings Using Solar Energy Driven Photocatalyst. , 2018, , 89-107.		0
358	Preparation and Photocatalytic Application of Different TiO ₂ and Zn(OH) ₂ /ZnO Nanoparticles and Hydrophilic/Hydrophobic Layered Silicates. , 2003, , 425-443.		0