Evgeny Abkhalimov

List of Publications by Year
in descending order

41	401	932766 10	794141 19
papers	citations	h-index	g-index

41	41	41	626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photochemical Synthesis of Silver Hydrosol Stabilized by Carbonate Ions and Study of Its Bactericidal Impact on Escherichia coli: Direct and Indirect Effects. International Journal of Molecular Sciences, 2022, 23, 949.	1.8	3
2	Acute Toxicity of Cu-MOF Nanoparticles (nanoHKUST-1) towards Embryos and Adult Zebrafish. International Journal of Molecular Sciences, 2021, 22, 5568.	1.8	28
3	Synthesis and Characterization of New Guanine Complexes of Pt(IV) and Pd(II) by X-ray Diffraction and Hirshfeld Surface Analysis. Crystals, 2021, 11, 1417.	1.0	8
4	The H2-D2 exchange reaction catalyzed by gold nanoparticles supported on Î³-Al2O3: Effect of particle size on the reaction rate. Catalysis Communications, 2020, 133, 105840.	1.6	6
5	Microwave-Assisted Synthesis of Water-Dispersible Humate-Coated Magnetite Nanoparticles: Relation of Coating Process Parameters to the Properties of Nanoparticles. Nanomaterials, 2020, 10, 1558.	1.9	12
6	Synthesis and Characteristics of Agâ€“Pd Nanoparticles: Inhibition of Palladium Surface Catalytic Activity by Silver. Colloid Journal, 2020, 82, 188-193.	0.5	0
7	Syntheses and crystal structures of new aurate salts of adenine or guanine nucleobases. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 139-147.	0.2	1
8	â€œPureâ€•silver hydrosol: nanoparticles and stabilizing carbonate ions. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	9
9	One-Stage Synthesis of Gold Hydrosol with Nanoparticles of Desired Shape. Colloid Journal, 2018, 80, 141-147.	0.5	1
10	Electrochemical mechanism of silver nanoprisms transformation in aqueous solutions containing the halide ions. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	9
11	Ecotoxicity of different-shaped silver nanoparticles: Case of zebrafish embryos. Journal of Hazardous Materials, 2018, 347, 89-94.	6.5	98
12	Low-temperature orthoâ€“para hydrogen conversion catalyzed by gold nanoparticles: Particle size does not affect the rate. International Journal of Hydrogen Energy, 2017, 42, 22897-22902.	3.8	16
13	An aqueous colloidal silver solution stabilized with carbonate ions. Colloid Journal, 2017, 79, 735-739.	0.5	9
14	Structural transformation of silver nanoprisms in aqueous solution initiated by Clâ¯, Brâ¯, and Iâ¯ ions: electrochemical mechanism. Doklady Physical Chemistry, 2017, 477, 227-230.	0.2	1
15	Electron beam agrobionanotechnologies for agriculture and food industry enabled by electron accelerators. Journal of Physics: Conference Series, 2017, 941, 012098.	0.3	6
16	Kinetics of the formation of precipitates and the physicochemical properties of technetium-99 and rhenium sulfides according to small-angle X-ray scattering and ultramicrocentrifugation data. Russian Journal of Inorganic Chemistry, 2016, 61, 1445-1450.	0.3	5
17	Gold nanoparticles in aqueous solutions: influence of size and pH on hydrogen dissociative adsorption and Au(<scp>iii</scp>) ion reduction. Physical Chemistry Chemical Physics, 2016, 18, 13459-13466.	1.3	27
18	Synthesis and properties of Cuâ€“Pd hydrosol: Hydrogen reduction of Cu2+ ions catalyzed by palladium nanoparticles. Colloid Journal, 2016, 78, 685-689.	0.5	2

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19	The crucial role of self-assembly in nonlinear optical properties of polymeric composites based on crown-substituted ruthenium phthalocyaninate. Journal of Materials Chemistry C, 2015, 3, 6692-6700.	2.7	35
20	Adsorption of ozone and plasmonic properties of gold hydrosol: the effect of the nanoparticle size. Physical Chemistry Chemical Physics, 2015, 17, 18431-18436.	1.3	5
21	Catalytic properties of gold nanoparticles in H2â€"D2 exchange and orthoâ€"para hydrogen conversion. Doklady Physical Chemistry, 2015, 463, 165-167.	0.2	8
22	Palladium nanoparticles in aqueous solution: Preparation, properties, and effect of their size on catalytic activity. Colloid Journal, 2014, 76, 553-557.	0.5	6
23	The size effect in the catalytic activity of AgcorePtshell nanoparticles. Colloid Journal, 2014, 76, 381-386.	0.5	4
24	The effects of hydrogen and ph on plasmon absorption of gold hydrosol. Electrochemical reactions on nanoelectrodes. Colloid Journal, 2014, 76, 308-313.	0.5	2
25	Size effects of PtcoreAgshell and AgcorePtshell nanoparticles on their catalytic activity in aqueous solutions. Russian Chemical Bulletin, 2013, 62, 953-961.	0.4	0
26	PdAg2 nanoparticles in aqueous solution: Preparation, characterization, and catalytic properties. Colloid Journal, 2012, 74, 415-419.	0.5	0
27	The effect of ozone on plasmon absorption of gold hydrosols. Quasi-metal and metal nanoparticles. Colloid Journal, 2012, 74, 502-509.	0.5	6
28	Mixed bimetallic palladium-silver nanoparticles in aqueous solution. Doklady Physical Chemistry, 2011, 439, 142-144.	0.2	1
29	Bimetallic Pd-M (M = Co, Ni, Zn, Ag) nanoparticles containing transition metals: Synthesis, characterization, and catalytic performance. Nanotechnologies in Russia, 2011, 6, 323-329.	0.7	10
30	Preparation of silver nanoparticles in aqueous solutions in the presence of carbonate ions as stabilizers. Colloid Journal, 2011, 73, 1-5.	0.5	9
31	Interaction of silver nanoparticles with ozone in aqueous solution. Colloid Journal, 2011, 73, 248-252.	0.5	10
32	Aggregation stability of gold citrate hydrosol: Effect of ozone. Colloid Journal, 2011, 73, 668-675.	0.5	5
33	Preparation of PtcoreAgshell nanoparticles: Catalytic reduction of Ag+ ions by hydrogen. Colloid Journal, 2010, 72, 177-182.	0.5	4
34	PtcoreAgshell nanoparticle-catalyzed reduction of methylviologene with hydrogen in aqueous solution. Colloid Journal, 2010, 72, 441-445.	0.5	6
35	Inhibition by cobalt and zinc of the palladium catalytic activity in uranium(IV) reduction. Doklady Physical Chemistry, 2010, 433, 147-149.	0.2	3
36	Colloidal copper and peculiarities of its reaction with silver ions in aqueous solution. Colloid Journal, 2009, 71, 487-492.	0.5	7

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37	Nucleation of silver upon the reduction by hydrogen in aqueous polyphosphate-containing solutions: Formation of clusters and nanoparticles. Colloid Journal, 2007, 69, 579-584.	0.5	10
38	Catalytic reduction of Np(VI) with formic acid in the presence of platinum nanoparticles. Radiochemistry, 2006, 48, 125-132.	0.2	0
39	Mechanism of silver nucleation upon the radiation-induced reduction of its ions in polyphosphate-containing aqueous solutions. Colloid Journal, 2006, 68, 417-424.	0.5	12
40	Formation of long-lived clusters and silver nucleation in the Î³-irradiation of aqueous silver perchlorate solutions containing polyphosphate. High Energy Chemistry, 2005, 39, 55-59.	0.2	12
41	Metal Nanoparticles on Polymer Surfaces: 5. Catalytic Activity of Colloidal Platinum Films Incorporated in Polystyrene Surface Layer. Colloid Journal, 2005, 67, 357-362.	0.5	5