

Anna M Eremenko

List of Publications by Year in descending order

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48
papers

867
citations

471509

17
h-index

477307

29
g-index

48
all docs

48
docs citations

48
times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen Photofixation on Nanostructured Iron Titanate Films. <i>Chemistry - A European Journal</i> , 2003, 9, 561-565.	3.3	102
2	Antimicrobial activity of stable silver nanoparticles of a certain size. <i>Applied Biochemistry and Microbiology</i> , 2013, 49, 199-206.	0.9	85
3	Growth and fragmentation of silver nanoparticles in their synthesis with a fs laser and CW light by photo-sensitization with benzophenone. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 154.	2.9	72
4	Ag nanoparticles deposited onto silica, titania, and zirconia mesoporous films synthesized by sol-gel template method. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 216-228.	2.4	54
5	Photocatalytic growth of CdS, PbS, and CuxS nanoparticles on the nanocrystalline TiO ₂ films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 203, 137-144.	3.9	51
6	Antitumor Activity of Alloy and Core-Shell-Type Bimetallic AgAu Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 333.	5.7	46
7	Characterization of sol-gel derived TiO ₂ /ZrO ₂ films and powders by Raman spectroscopy. <i>Thin Solid Films</i> , 2012, 520, 4541-4546.	1.8	40
8	Synthesis and Characterization of Photocatalytic Porous Fe ³⁺ /TiO ₂ Layers on Glass. <i>Journal of Sol-Gel Science and Technology</i> , 2001, 22, 109-113.	2.4	39
9	Design and Photocatalytic Activity of Mesoporous TiO ₂ /ZrO ₂ Thin Films. <i>Adsorption Science and Technology</i> , 2005, 23, 497-508.	3.2	33
10	The pH-Dependent Structure and Properties of Au and Ag Nanoparticles Produced by Tryptophan Reduction. <i>Nanoscale Research Letters</i> , 2016, 11, 101.	5.7	30
11	Correlation between electronic structure and photocatalytic properties of non-metal doped TiO ₂ /ZrO ₂ thin films obtained by pulsed laser deposition method. <i>Vacuum</i> , 2015, 114, 166-171.	3.5	27
12	Photoelectrochemical characterization and photocatalytic properties of mesoporous TiO ₂ /ZrO ₂ films. <i>International Journal of Photoenergy</i> , 2006, 2006, 1-6.	2.5	21
13	Using silica films and powders modified with benzophenone to photoreduce silver nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 181, 385-393.	3.9	20
14	Gold nanoparticles into Ti _{1-x} Zn _x O ₂ films: Synthesis, structure and Application. <i>Materials Chemistry and Physics</i> , 2013, 142, 318-324.	4.0	20
15	Tryptophan-Assisted Synthesis Reduces Bimetallic Gold/Silver Nanoparticle Cytotoxicity and Improves Biological Activity. <i>Nanobiomedicine</i> , 2014, 1, 6.	5.7	20
16	Sol-Gel Processed Functional Nanosized TiO ₂ and SiO ₂ -Based Films for Photocatalysts and Other Applications. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 32, 357-362.	2.4	19
17	Photodegradation of Stearic Acid Adsorbed on Superhydrophilic TiO ₂ Surface: In Situ FT-IR and LDI Study. <i>Nanoscale Research Letters</i> , 2015, 10, 500.	5.7	18
18	Structure and spectra of photochemically obtained nanosized silver particles in presence of modified porous silica. <i>International Journal of Photoenergy</i> , 2005, 7, 193-198.	2.5	17

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19	Photophysical properties of organic fluorescent probes on nanosized TiO ₂ /SiO ₂ systems prepared by the sol-gel method. Journal of Molecular Structure, 2000, 553, 1-7.	3.6	15
20	Fluorescence spectra of adsorbed heteroaromatic molecules at selective laser excitation. Journal of Molecular Structure, 1992, 266, 417-422.	3.6	11
21	Photochemical Preparation of Nanoparticles of Ag in Aqueous-Alcoholic Solutions and on the Surface of Mesoporous Silica. Theoretical and Experimental Chemistry, 2005, 41, 105-110.	0.8	11
22	Laser flash photolysis study of electron transfer processes of adsorbed anthracene on titania-silica surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 230, 45-55.	4.7	10
23	Investigation of silica surface chemistry by luminescent probes method. Colloids and Surfaces, 1992, 63, 83-92.	0.9	9
24	Synthesis and Photocatalytic Properties of Mesoporous TiO ₂ /ZnO Films with Improved Hydrophilicity. Adsorption Science and Technology, 2007, 25, 35-43.	3.2	9
25	Luminescence of organic dyes in silica matrices. Research on Chemical Intermediates, 1993, 19, 855-864.	2.7	8
26	Photogeneration of nanosized gold on the surface of mesoporous silica modified by benzophenone. Theoretical and Experimental Chemistry, 2005, 41, 365-370.	0.8	8
27	The effect of nanosized titania-silica film composition on the photostability of adsorbed methylene blue dye. Theoretical and Experimental Chemistry, 2007, 43, 235-240.	0.8	8
28	Photocatalytic properties of mesoporous TiO ₂ /ZrO ₂ films in gas-phase oxidation of alcohols. Theoretical and Experimental Chemistry, 2005, 41, 371-376.	0.8	6
29	Giant nonlinear optical response application for nanoporous titanium dioxide photocatalytic activity monitoring. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3303-3307.	0.8	6
30	Photocatalytic Degradation of Tetracycline Hydrochloride in Aqueous Solution at Ambient Conditions Stimulated by Gold Containing Zinc- Titanium Oxide Films. Journal of Advanced Oxidation Technologies, 2009, 12, .	0.5	6
31	Probing the Sol-gel Conversion in the Tetraethoxysilane/Alcohol/Water System with the Aid of Diffusion-Controlled Fluorescence Quenching. Journal of Colloid and Interface Science, 1997, 193, 163-166.	9.4	5
32	Electron transfer processes of coadsorbed Anthracene and N,N-Dimethylaniline on titania-silica. International Journal of Photoenergy, 2004, 6, 11-16.	2.5	4
33	SOL-GEL PRODUCED MESOPOROUS TiO ₂ /Ag COATINGS EFFECTIVE IN RHODAMINE B PHOTOOXIDATION. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 485-490.	0.1	4
34	Physical and Chemical Properties and Photocatalytic Activity of Nanostructured TiO ₂ /CdS Films. Journal of Applied Spectroscopy, 2014, 81, 238-243.	0.7	4
35	Effects of Photochromic Furan-Based Diarylethenes on Gold Nanoparticles Aggregation. Nanoscale Research Letters, 2017, 12, 271.	5.7	4
36	Photophysical properties of TICT molecule adsorbed on semiconductor titania-silica colloids. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 177, 83-88.	3.9	3

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37	Morphology and optical properties of thin silica films containing bimetallic Ag/Au nanoparticles. Theoretical and Experimental Chemistry, 2008, 44, 356-361.	0.8	3
38	Optical Spectra and Morphology of Photochemically Produced Ag/Au Bimetallic Clusters. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 473-480.	0.2	3
39	Effect of gold nanoparticles on an aerosil surface on the fluorescence and Raman spectra of adsorbed tryptophan. Theoretical and Experimental Chemistry, 2012, 48, 54-61.	0.8	3
40	Spectral parameters and photoprotolytic interactions for acridine adsorbed on silica. Journal of Applied Spectroscopy, 1990, 52, 195-198.	0.7	2
41	Fluorescent properties of pyrene- β -cyclodextrin inclusion complexes in titanium-silica sols. Colloid Journal, 2006, 68, 236-240.	1.3	2
42	Photodegradation and aggregation of acridine dyes adsorbed on the surface of mesoporous TiO ₂ films. Journal of Applied Spectroscopy, 2010, 77, 202-205.	0.7	2
43	Spectral properties of organosilicon polymer/SiO ₂ porous film nanocomposite films. Journal of Applied Spectroscopy, 2011, 78, 75-80.	0.7	2
44	Pulsed Laser-Deposited TiO ₂ -based Films: Synthesis, Electronic Structure and Photocatalytic Activity. , 0, , .		2
45	Synthesis and photocatalytic properties of 3-d metal ions (Mn, Co, Ni, Cu, Fe) doped titania nanostructured films. , 2019, , 67-83.		2
46	Electron spectra of acridine yellow dye in the silicon dioxide matrix. Journal of Applied Spectroscopy, 1984, 41, 1228-1231.	0.7	1
47	<title>Broadband light action on opportunistic microorganisms photosensitized by TiO ₂ and Ag-SiO ₂ nanoparticle films</title>. , 2006, 6163, 534.		0
48	Electrooxidation of Se on nanodispersed films of titanium dioxide modified with ZnO and Au. French-Ukrainian Journal of Chemistry, 2017, 5, 56-61.	0.4	0