

Karolina M Siskova

List of Publications by Year in descending order

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46
papers

1,858
citations

279701

23
h-index

289141

40
g-index

47
all docs

47
docs citations

47
times ranked

3471
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-coated silver nanoparticles in biological and environmental conditions: Fate, stability and toxicity. <i>Advances in Colloid and Interface Science</i> , 2014, 204, 15-34.	7.0	320
2	Photoluminescence effects of graphitic core size and surface functional groups in carbon dots: COO ⁻ induced red-shift emission. <i>Carbon</i> , 2014, 70, 279-286.	5.4	240
3	Interactions of Aqueous Ag ⁺ with Fulvic Acids: Mechanisms of Silver Nanoparticle Formation and Investigation of Stability. <i>Environmental Science & Technology</i> , 2013, 47, 757-764.	4.6	156
4	Iron(II,III)-Polyphenol Complex Nanoparticles Derived from Green Tea with Remarkable Ecotoxicological Impact. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1674-1680.	3.2	122
5	Air Stable Magnetic Bimetallic Fe-Ag Nanoparticles for Advanced Antimicrobial Treatment and Phosphorus Removal. <i>Environmental Science & Technology</i> , 2013, 47, 5285-5293.	4.6	105
6	Chitosan-based synthesis of magnetically-driven nanocomposites with biogenic magnetite core, controlled silver size, and high antimicrobial activity. <i>Green Chemistry</i> , 2012, 14, 2550.	4.6	87
7	Mechanisms and Efficiency of the Simultaneous Removal of Metals and Cyanides by Using Ferrate(VI): Crucial Roles of Nanocrystalline Iron(III) Oxyhydroxides and Metal Carbonates. <i>Chemistry - A European Journal</i> , 2011, 17, 10097-10105.	1.7	71
8	Facile fabrication of tin-doped hematite photoelectrodes – effect of doping on magnetic properties and performance for light-induced water splitting. <i>Journal of Materials Chemistry</i> , 2012, 22, 23232.	6.7	65
9	The production of chemically converted graphenes from graphite fluoride. <i>Carbon</i> , 2012, 50, 1425-1428.	5.4	65
10	Enhanced Formation of Silver Nanoparticles in Ag ⁺ -NOM-Iron(II, III) Systems and Antibacterial Activity Studies. <i>Environmental Science & Technology</i> , 2014, 48, 3228-3235.	4.6	65
11	Single-molecule surface-enhanced Raman spectroscopy from a molecularly-bridged silver nanoparticle dimer. <i>Chemical Physics Letters</i> , 2008, 455, 131-134.	1.2	58
12	Synthesis and properties of core-shell fluorescent hybrids with distinct morphologies based on carbon dots. <i>Journal of Materials Chemistry</i> , 2012, 22, 16219.	6.7	40
13	Single molecule SERS: Perspectives of analytical applications. <i>Journal of Molecular Structure</i> , 2007, 834-836, 42-47.	1.8	38
14	Lipid Enhanced Exfoliation for Production of Graphene Nanosheets. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11800-11803.	1.5	38
15	Space weathering simulations through controlled growth of iron nanoparticles on olivine. <i>Icarus</i> , 2014, 237, 75-83.	1.1	38
16	Surface-enhanced Raman scattering from a single molecularly bridged silver nanoparticle aggregate. <i>Journal of Molecular Structure</i> , 2009, 924-926, 567-570.	1.8	28
17	SERS-activating effect of chlorides on borate-stabilized silver nanoparticles: formation of new reduced adsorption sites and induced nanoparticle fusion. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2233.	1.3	27
18	Spectral detection of J-aggregates of cationic porphyrin and investigation of conditions of their formation. <i>Journal of Molecular Structure</i> , 2005, 744-747, 265-272.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Impact of inorganic buffering ions on the stability of Fe(VI) in aqueous solution: role of the carbonate ion. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4415-4422.	1.3	26
20	Ion-Specific Effects on Laser Ablation of Silver in Aqueous Electrolyte Solutions. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4435-4443.	1.5	25
21	Air-stable nZVI formation mediated by glutamic acid: solid-state storable material exhibiting 2D chain morphology and high reactivity in aqueous environment. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	25
22	Formation of Zero-valent Iron Nanoparticles Mediated by Amino Acids. <i>Procedia Environmental Sciences</i> , 2013, 18, 809-817.	1.3	25
23	High-valent iron (FeVI, FeV, and FeIV) species in water: characterization and oxidative transformation of estrogenic hormones. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18802-18810.	1.3	25
24	Characterization and surface-enhanced Raman spectral probing of silver hydrosols prepared by two-wavelength laser ablation and fragmentation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 2321-2329.	2.0	15
25	Transformations of ferrates(IV), (V), (VI) in liquids: Mössbauer spectroscopy of frozen solutions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30247-30256.	1.3	13
26	Spacer-free SERRS spectra of unperturbed porphyrin detected at 100 fM concentration in Ag hydrosols prepared by modified Tollens method. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 689-691.	1.2	12
27	Stabilization of Au nanoparticles prepared by laser ablation in chloroform with free-base porphyrin molecules. <i>Applied Surface Science</i> , 2010, 256, 2979-2987.	3.1	11
28	Mössbauer investigation of the reaction of ferrate(VI) with sulfamethoxazole and aniline in alkaline medium. <i>Hyperfine Interactions</i> , 2014, 224, 7-13.	0.2	11
29	Laser Ablation of Silver in Aqueous Solutions of Organic Species: Probing Ag Nanoparticle Adsorbate Systems Evolution by Surface-Enhanced Raman and Surface Plasmon Extinction Spectra. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5404-5412.	1.5	10
30	The effect of surface modification on the fluorescence and morphology of CdSe nanoparticles embedded in a 3D phosphazene-based matrix: nanowire-like quantum dots. <i>Journal of Materials Chemistry</i> , 2011, 21, 1086-1093.	6.7	10
31	Mixtures of L-Amino Acids as Reaction Medium for Formation of Iron Nanoparticles: The Order of Addition into a Ferrous Salt Solution Matters. <i>International Journal of Molecular Sciences</i> , 2013, 14, 19452-19473.	1.8	9
32	Evidence of Au(II) and Au(0) States in Bovine Serum Albumin-Au Nanoclusters Revealed by CW-EPR/LEPR and Peculiarities in HR-TEM/STEM Imaging. <i>Nanomaterials</i> , 2022, 12, 1425.	1.9	8
33	Non-chemical approach toward 2D self-assemblies of Ag nanoparticles via cold plasma treatment of substrates. <i>Nanotechnology</i> , 2011, 22, 275601.	1.3	7
34	Magnetic Bimetallic Fe/Ag Nanoparticles: Decontamination and Antimicrobial Agents. <i>ACS Symposium Series</i> , 2013, , 193-209.	0.5	7
35	The Effect of Fatty Acids and BSA Purity on Synthesis and Properties of Fluorescent Gold Nanoclusters. <i>Nanomaterials</i> , 2020, 10, 343.	1.9	7
36	Porphyrins as SERRS spectral probes of chemically functionalized Ag nanoparticles. <i>Vibrational Spectroscopy</i> , 2008, 48, 44-52.	1.2	4

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37	Laser-induced transformations of zero-valent iron particles. , 2012, , .		4
38	HCl Effect on Two Types of Ag Nanoparticles Utilizable in Detection of Low Concentrations of Organic Species. ACS Symposium Series, 2013, , 151-163.	0.5	4
39	Effect of citrate ions on laser ablation of Ag foil in aqueous medium. Journal of Physics: Conference Series, 2007, 59, 202-205.	0.3	3
40	Mechanism of oxidation of cysteine and methionine by ferrate(VI): Mořssbauer investigation. , 2012, , .		3
41	Cisplatin interacting with buffering media and cysteine: Molecular insight due to Raman microspectroscopy. Journal of Raman Spectroscopy, 2019, 50, 528-536.	1.2	2
42	Distinctly Different Morphologies of Bimetallic Au-Ag Nanostructures and Their Application in Submicromolar SERS-Detection of Free Base Porphyrin. Nanomaterials, 2021, 11, 2185.	1.9	2
43	Pulsed-Laser Ablation of Au Foil in Primary Alcohols Influenced by Direct Current. , 0, , .		1
44	Nanocomposites With Strong Optical Resonances: Silver Nanoparticles-Organic Molecules Systems. , 2008, , .		0
45	Effect of Noble Metal Nanoparticles in SERRS Measurements of Water-Soluble Porphyrins. Advanced Materials Research, 2015, 1088, 43-47.	0.3	0
46	Revisiting spontaneous silver nanoparticles formation: a factor influencing the determination of minimum inhibitory concentration values?. AIMS Environmental Science, 2015, 2, 607-622.	0.7	0