

Karolina M Siskova

List of Publications by Citations

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44
papers

1,551
citations

21
h-index

39
g-index

47
ext. papers

1,713
ext. citations

4.7
avg, IF

4.3
L-index

#	Paper	IF	Citations
44	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	14.3	267
43	Photoluminescence effects of graphitic core size and surface functional groups in carbon dots: COOH-induced red-shift emission. <i>Carbon</i> , 2014 , 70, 279-286	10.4	183
42	Interactions of aqueous Ag ⁺ with fulvic acids: mechanisms of silver nanoparticle formation and investigation of stability. <i>Environmental Science & Technology</i> , 2013 , 47, 757-64	10.3	137
41	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	8.3	87
40	Air stable magnetic bimetallic Fe-Ag nanoparticles for advanced antimicrobial treatment and phosphorus removal. <i>Environmental Science & Technology</i> , 2013 , 47, 5285-93	10.3	87
39	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	10	79
38	The production of chemically converted graphenes from graphite fluoride. <i>Carbon</i> , 2012 , 50, 1425-1428	10.4	59
37	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		58
36	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, 10097-105	4.8	58
35	Enhanced formation of silver nanoparticles in Ag ⁺ -NOM-iron(II, III) systems and antibacterial activity studies. <i>Environmental Science & Technology</i> , 2014 , 48, 3228-35	10.3	56
34	Single-molecule surface-enhanced Raman spectroscopy from a molecularly-bridged silver nanoparticle dimer. <i>Chemical Physics Letters</i> , 2008 , 455, 131-134	2.5	55
33	Synthesis and properties of core-shell fluorescent hybrids with distinct morphologies based on carbon dots. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16219		38
32	Lipid Enhanced Exfoliation for Production of Graphene Nanosheets. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11800-11803	3.8	35
31	Single molecule SERS: Perspectives of analytical applications. <i>Journal of Molecular Structure</i> , 2007 , 834-836, 42-47	3.4	35
30	Space weathering simulations through controlled growth of iron nanoparticles on olivine. <i>Icarus</i> , 2014 , 237, 75-83	3.8	30
29	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	3.4	26
28	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, 2233-42	3.6	25

27	Surface-enhanced Raman scattering from a single molecularly bridged silver nanoparticle aggregate. <i>Journal of Molecular Structure</i> , 2009 , 924-926, 567-570	3.4	24
26	Ion-Specific Effects on Laser Ablation of Silver in Aqueous Electrolyte Solutions. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4435-4443	3.8	24
25	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, 4415-22	3.6	22
24	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	2.3	22
23	High-valent iron (Fe(VI), Fe(V), and Fe(IV)) species in water: characterization and oxidative transformation of estrogenic hormones. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 18802-10	3.6	20
22	Formation of Zero-valent Iron Nanoparticles Mediated by Amino Acids. <i>Procedia Environmental Sciences</i> , 2013 , 18, 809-817		15
21	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, 2321-9	4.4	12
20	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	2.3	11
19	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		10
18	Stabilization of Au nanoparticles prepared by laser ablation in chloroform with free-base porphyrin molecules. <i>Applied Surface Science</i> , 2010 , 256, 2979-2987	6.7	10
17	Transformations of ferrates(iv,v,vi) in liquids: Mössbauer spectroscopy of frozen solutions. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 30247-30256	3.6	10
16	Mössbauer investigation of the reaction of ferrate(VI) with sulfamethoxazole and aniline in alkaline medium. <i>Hyperfine Interactions</i> , 2014 , 224, 7-13	0.8	8
15	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	3.8	8
14	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, 19452-73	6.3	7
13	Magnetic Bimetallic Fe/Ag Nanoparticles: Decontamination and Antimicrobial Agents. <i>ACS Symposium Series</i> , 2013 , 193-209	0.4	6
12	Non-chemical approach toward 2D self-assemblies of Ag nanoparticles via cold plasma treatment of substrates. <i>Nanotechnology</i> , 2011 , 22, 275601	3.4	6
11	Laser-induced transformations of zero-valent iron particles 2012 ,		4
10	Mechanism of oxidation of cysteine and methionine by ferrate(VI): Mössbauer investigation 2012 ,		3

9	HCl Effect on Two Types of Ag Nanoparticles Utilizable in Detection of Low Concentrations of Organic Species. <i>ACS Symposium Series</i> , 2013 , 151-163	0.4	3
8	Porphyryns as SERRS spectral probes of chemically functionalized Ag nanoparticles. <i>Vibrational Spectroscopy</i> , 2008 , 48, 44-52	2.1	3
7	The Effect of Fatty Acids and BSA Purity on Synthesis and Properties of Fluorescent Gold Nanoclusters. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
6	Effect of citrate ions on laser ablation of Ag foil in aqueous medium. <i>Journal of Physics: Conference Series</i> , 2007 , 59, 202-205	0.3	2
5	Cisplatin interacting with buffering media and cysteine: Molecular insight due to Raman microspectroscopy. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 528-536	2.3	1
4	Pulsed-Laser Ablation of Au Foil in Primary Alcohols Influenced by Direct Current 2011 ,		1
3	Effect of Noble Metal Nanoparticles in SERRS Measurements of Water-Soluble Porphyrins. <i>Advanced Materials Research</i> , 2015 , 1088, 43-47	0.5	
2	Mössbauer investigation of the reaction of ferrate(VI) with sulfamethoxazole and aniline in alkaline medium 2013 , 1-7		
1	Revisiting spontaneous silver nanoparticles formation: a factor influencing the determination of minimum inhibitory concentration values?. <i>AIMS Environmental Science</i> , 2015 , 2, 607-622	1.9	