Zeljka Krpetic

List of Publications by Year in Descending Order

30 papers	1,818 citations	22 h-index	32 g-index
32 ext. papers	1,970 ext. citations	9.3 avg, IF	4.42 L-index

#	Paper	IF	Citations
30	In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. *Scientific Reports*, **2021**, 11, 6443	4.9	5
29	Detecting the shape of anisotropic gold nanoparticles in dispersion with single particle extinction and scattering. *Nanoscale*, **2017**, 9, 2778-2784	7.7	20
28	Influence of Size and Shape on the Anatomical Distribution of Endotoxin-Free Gold Nanoparticles. *ACS Nano*, **2017**, 11, 5519-5529	16.7	99
27	Towards a classification strategy for complex nanostructures. *Nanoscale Horizons*, **2017**, 2, 187-198	10.8	32
26	Mapping protein binding sites on the biomolecular corona of nanoparticles. *Nature Nanotechnology* , **2015**, 10, 472-9	28.7	268
25	Direct surface-enhanced Raman scattering analysis of DNA duplexes. *Angewandte Chemie - International Edition*, **2015**, 54, 1144-8	16.4	124
24	Direct Surface-Enhanced Raman Scattering Analysis of DNA Duplexes. *Angewandte Chemie*, **2015**, 127, 1160-1164	3.6	37
23	Revealing DNA interactions with exogenous agents by surface-enhanced Raman scattering. *Journal of the American Chemical Society*, **2015**, 137, 469-76	16.4	77
22	Preparation and characterization of Au nanoparticles capped with mercaptocarboranyl clusters. *Dalton Transactions*, **2014**, 43, 5054-61	4.3	21
21	Interactions of gold nanoparticles with a phospholipid monolayer membrane on mercury. *ACS Nano* , **2014**, 8, 6074-80	16.7	17
20	Nanomaterials: impact on cells and cell organelles. *Advances in Experimental Medicine and Biology*, **2014**, 811, 135-56	3.6	28
19	High-resolution sizing of monolayer-protected gold clusters by differential centrifugal sedimentation. *ACS Nano*, **2013**, 7, 8881-90	16.7	60
18	Conjugation of PEG and gold nanoparticles to increase the accessibility and valency of tethered RNA splicing enhancers. *Chemical Science*, **2013**, 4, 257-265	9.4	6
17	Directed assembly of DNA-functionalized gold nanoparticles using pyrrole-imidazole polyamides. *Journal of the American Chemical Society*, **2012**, 134, 8356-9	16.4	42
16	Mercaptocarborane-capped gold nanoparticles: electron pools and ion traps with switchable hydrophilicity. *Journal of the American Chemical Society*, **2012**, 134, 212-21	16.4	117
15	Positively charged silver nanoparticles and their effect on surface-enhanced Raman scattering of dye-labelled oligonucleotides. *Chemical Communications*, **2012**, 48, 8192-4	5.8	66
14	Importance of nanoparticle size in colorimetric and SERS-based multimodal trace detection of Ni(II) ions with functional gold nanoparticles. *Small*, **2012**, 8, 707-14	11	99

13	Intracellular mapping with SERS-encoded gold nanostars. *Integrative Biology (United Kingdom)*, **2011**, 3, 922-6	3.7	116
12	Negotiation of intracellular membrane barriers by TAT-modified gold nanoparticles. *ACS Nano*, **2011**, 5, 5195-201	16.7	131
11	Energy Dependence of Gold Nanoparticle Radiosensitization in Plasmid DNA. *Journal of Physical Chemistry C*, **2011**, 115, 20160-20167	3.8	43
10	Acrylate-facilitated cellular uptake of gold nanoparticles. *Small*, **2011**, 7, 1982-6	11	15
9	Phagocytosis of biocompatible gold nanoparticles. *Langmuir*, **2010**, 26, 14799-805	4	54
8	Inflicting controlled nonthermal damage to subcellular structures by laser-activated gold nanoparticles. *Nano Letters*, **2010**, 10, 4549-54	11.5	91
7	Electroreductions on Silver-Based Electrocatalysts: The Use of Ag Nanoparticles for CHCl3 to CH4 Conversion. *Fuel Cells*, **2009**, 9, 253-263	2.9	39
6	A multidentate peptide for stabilization and facile bioconjugation of gold nanoparticles. *Bioconjugate Chemistry*, **2009**, 20, 619-24	6.3	67
5	Gold nanoparticles prepared using cape aloe active components. *Langmuir*, **2009**, 25, 7217-21	4	32
4	Gold-ligand interaction studies of water-soluble aminoalcohol capped gold nanoparticles by NMR. *Langmuir*, **2008**, 24, 7061-4	4	37
3	Gold nanoparticles capped by peptides. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 140, 187-194	3.1	51
2	Selective entrance of gold nanoparticles into cancer cells **2006**, 39, 66-68		18
1	Single-phase bimetallic system for the selective oxidation of glycerol to glycerate. *Studies in Surface Science and Catalysis*, **2006**, 162, 553-560	1.8	3