Claire M Cobley

List of Publications by Citations

36 papers	9,476 citations	29 h-index	48 g-index
48 ext. papers	10,112 ext. citations	13.1 avg, IF	5.75 L-index

#	Paper	IF	Citations
36	Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. *Chemical Reviews*, **2011**, 111, 3669-712	68.1	2056
35	Gold nanocages covered by smart polymers for controlled release with near-infrared light. *Nature Materials*, **2009**, 8, 935-9	27	1232
34	Gold nanocages: synthesis, properties, and applications. *Accounts of Chemical Research*, **2008**, 41, 1587-95	24.3	1191
33	Gold nanocages: from synthesis to theranostic applications. *Accounts of Chemical Research*, **2011**, 44, 914-24	24.3	668
32	Gold nanostructures: a class of multifunctional materials for biomedical applications. *Chemical Society Reviews*, **2011**, 40, 44-56	58.5	662
31	In vivo molecular photoacoustic tomography of melanomas targeted by bioconjugated gold nanocages. *ACS Nano*, **2010**, 4, 4559-64	16.7	376
30	Synthesis of anatase TiO2 nanocrystals with exposed {001} facets. *Nano Letters*, **2009**, 9, 2455-9	11.5	368
29	Near-infrared gold nanocages as a new class of tracers for photoacoustic sentinel lymph node mapping on a rat model. *Nano Letters*, **2009**, 9, 183-8	11.5	332
28	Shape-Controlled Synthesis of Silver Nanoparticles for Plasmonic and Sensing Applications. *Plasmonics*, **2009**, 4, 171-179	2.4	290
27	Unraveling the Effects of Size, Composition, and Substrate on the Localized Surface Plasmon Resonance Frequencies of Gold and Silver Nanocubes: A Systematic Single-Particle Approach. *Journal of Physical Chemistry C*, **2010**, 114, 12511-12516	3.8	263
26	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. *Advanced Functional Materials*, **2010**, 20, 3684-3694	15.6	189
25	Engineering the Properties of Metal Nanostructures via Galvanic Replacement Reactions. *Materials Science and Engineering Reports*, **2010**, 70, 44-62	30.9	166
24	Targeting gold nanocages to cancer cells for photothermal destruction and drug delivery. *Expert Opinion on Drug Delivery*, **2010**, 7, 577-87	8	140
23	Quantifying the cellular uptake of antibody-conjugated Au nanocages by two-photon microscopy and inductively coupled plasma mass spectrometry. *ACS Nano*, **2010**, 4, 35-42	16.7	137
22	Surface-enhanced Raman scattering: comparison of three different molecules on single-crystal nanocubes and nanospheres of silver. *Journal of Physical Chemistry A*, **2009**, 113, 3932-9	2.8	119
21	Bright three-photon luminescence from gold/silver alloyed nanostructures for bioimaging with negligible photothermal toxicity. *Angewandte Chemie - International Edition*, **2010**, 49, 3485-8	16.4	118
20	Dissolving Ag from Au-Ag Alloy Nanoboxes with H(2)O(2): A Method for Both Tailoring the Optical Properties and Measuring the H(2)O(2) Concentration. *Journal of Physical Chemistry C*, **2010**, 114, 6396-6400	3.8	115

19	Twin-induced growth of palladium-platinum alloy nanocrystals. *Angewandte Chemie - International Edition*, **2009**, 48, 6304-8	16.4	113
18	Measuring the Optical Absorption Cross-sections of Au-Ag Nanocages and Au Nanorods by Photoacoustic Imaging. *Journal of Physical Chemistry C*, **2009**, 113, 9023-9028	3.8	111
17	A sinter-resistant catalytic system based on platinum nanoparticles supported on TiO2 nanofibers and covered by porous silica. *Angewandte Chemie - International Edition*, **2010**, 49, 8165-8	16.4	109
16	Probing the surface-enhanced Raman scattering properties of Au-Ag nanocages at two different excitation wavelengths. *Physical Chemistry Chemical Physics*, **2009**, 11, 5903-8	3.6	104
15	Tailoring the Optical and Catalytic Properties of Gold-Silver Nanoboxes and Nanocages by Introducing Palladium. *Advanced Materials*, **2008**, 20, 748-752	24	93
14	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. *Journal of Physical Chemistry C*, **2009**, 113, 16975-16982	3.8	84
13	Production of Ag nanocubes on a scale of 0.1 g per batch by protecting the NaHS-mediated polyol synthesis with argon. *ACS Applied Materials & Interfaces*, **2009**, 1, 2044-8	9.5	79
12	Probing the photothermal effect of gold-based nanocages with surface-enhanced Raman scattering (SERS). *Angewandte Chemie - International Edition*, **2009**, 48, 9924-7	16.4	74
11	Etching and growth: an intertwined pathway to silver nanocrystals with exotic shapes. *Angewandte Chemie - International Edition*, **2009**, 48, 4824-7	16.4	68
10	Measuring the surface-enhanced Raman scattering enhancement factors of hot spots formed between an individual Ag nanowire and a single Ag nanocube. *Nanotechnology*, **2009**, 20, 434020	3.4	60
9	Plasmonic near-electric field enhancement effects in ultrafast photoelectron emission: correlated spatial and laser polarization microscopy studies of individual Ag nanocubes. *Nano Letters*, **2012**, 12, 4823-9	11.5	59
8	Fine tuning the optical properties of Au-Ag nanocages by selectively etching Ag with oxygen and a water-soluble thiol. *Journal of Materials Chemistry*, **2009**, 19, 6317-6320		38
7	A Sinter-Resistant Catalytic System Based on Platinum Nanoparticles Supported on TiO2 Nanofibers and Covered by Porous Silica. *Angewandte Chemie*, **2010**, 122, 8341-8344	3.6	23
6	Gold and Nanotechnology. *Elements*, **2009**, 5, 309-313	3.8	19
5	Conopeptide-Functionalized Nanoparticles Selectively Antagonize Extrasynaptic -Methyl-d-aspartate Receptors and Protect Hippocampal Neurons from Excitotoxicity. *ACS Nano*, **2020**, 14, 6866-6877	16.7	7
4	The role of surface nonuniformity in controlling the initiation of a galvanic replacement reaction. *Chemistry - an Asian Journal*, **2011**, 6, 1479-84	4.5	7
3	Advances in Experimental Cell Biology and Cell-Material Interactions. *CISM International Centre for Mechanical Sciences, Courses and Lectures*, **2013**, 87-105	0.6	
2	Gold Nanocages: A Multifunctional Platform for Molecular Optical Imaging and Photothermal Treatment **2011**, 615-638		

1	Reply to Comment on Conopeptide-Functionalized Nanoparticles Selectively Antagonize Extrasynaptic N-Methyl-d-aspartate Receptors and Protect Hippocampal Neurons from Excitotoxicity In Vitro. *ACS Nano*, **2021**, 15, 15409-15417	16.7