

# Claire M Cobley

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Reply to Comment on Conopeptide-Functionalized Nanoparticles Selectively Antagonize Extrasynaptic N-Methyl-d-aspartate Receptors and Protect Hippocampal Neurons from Excitotoxicity In Vitro. <i>ACS Nano</i> , <b>2021</b> , 15, 15409-15417                        | 16.7 |           |
| 35 | Conopeptide-Functionalized Nanoparticles Selectively Antagonize Extrasynaptic -Methyl-d-aspartate Receptors and Protect Hippocampal Neurons from Excitotoxicity. <i>ACS Nano</i> , <b>2020</b> , 14, 6866-6877  | 16.7 | 7         |
| 34 | Advances in Experimental Cell Biology and Cell-Material Interactions. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2013</b> , 87-105   | 0.6  |           |
| 33 | Plasmonic near-electric field enhancement effects in ultrafast photoelectron emission: correlated spatial and laser polarization microscopy studies of individual Ag nanocubes. <i>Nano Letters</i> , <b>2012</b> , 12, 4823-9  | 11.5 | 59        |
| 32 | Gold nanocages: from synthesis to theranostic applications. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 914-24   | 24.3 | 668       |
| 31 | The role of surface nonuniformity in controlling the initiation of a galvanic replacement reaction. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1479-84  | 4.5  | 7         |
| 30 | Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. <i>Chemical Reviews</i> , <b>2011</b> , 111, 3669-712   | 68.1 | 2056      |
| 29 | Gold Nanocages: A Multifunctional Platform for Molecular Optical Imaging and Photothermal Treatment <b>2011</b> , 615-638   |      |           |
| 28 | Gold nanostructures: a class of multifunctional materials for biomedical applications. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 44-56  | 58.5 | 662       |
| 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. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12511-12516        | 3.8  | 263       |
| 26 | Quantifying the cellular uptake of antibody-conjugated Au nanocages by two-photon microscopy and inductively coupled plasma mass spectrometry. <i>ACS Nano</i> , <b>2010</b> , 4, 35-42   | 16.7 | 137       |
| 25 | Targeting gold nanocages to cancer cells for photothermal destruction and drug delivery. <i>Expert Opinion on Drug Delivery</i> , <b>2010</b> , 7, 577-87   | 8    | 140       |
| 24 | Dissolving Ag from Au-Ag Alloy Nanoboxes with H <sub>2</sub> O <sub>2</sub> : A Method for Both Tailoring the Optical Properties and Measuring the H <sub>2</sub> O <sub>2</sub> Concentration. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6396-6400 | 3.8  | 115       |
| 23 | In vivo molecular photoacoustic tomography of melanomas targeted by bioconjugated gold nanocages. <i>ACS Nano</i> , <b>2010</b> , 4, 4559-64  | 16.7 | 376       |
| 22 | Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3684-3694   | 15.6 | 189       |
| 21 | A Sinter-Resistant Catalytic System Based on Platinum Nanoparticles Supported on TiO <sub>2</sub> Nanofibers and Covered by Porous Silica. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8341-8344  | 3.6  | 23        |
| 20 | Bright three-photon luminescence from gold/silver alloyed nanostructures for bioimaging with negligible photothermal toxicity. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3485-8  | 16.4 | 118       |

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|----|--|------|------|
| 19 | A sinter-resistant catalytic system based on platinum nanoparticles supported on TiO <sub>2</sub> nanofibers and covered by porous silica. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 8165-8 | 16.4 | 109  |
| 18 | Engineering the Properties of Metal Nanostructures via Galvanic Replacement Reactions. <i>Materials Science and Engineering Reports</i> , <b>2010</b> , 70, 44-62  | 30.9 | 166  |
| 17 | Measuring the surface-enhanced Raman scattering enhancement factors of hot spots formed between an individual Ag nanowire and a single Ag nanocube. <i>Nanotechnology</i> , <b>2009</b> , 20, 434020                   | 3.4  | 60   |
| 16 | Surface-enhanced Raman scattering: comparison of three different molecules on single-crystal nanocubes and nanospheres of silver. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 3932-9                   | 2.8  | 119  |
| 15 | Etching and growth: an intertwined pathway to silver nanocrystals with exotic shapes. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 4824-7  | 16.4 | 68   |
| 14 | Twin-induced growth of palladium-platinum alloy nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6304-8  | 16.4 | 113  |
| 13 | Probing the photothermal effect of gold-based nanocages with surface-enhanced Raman scattering (SERS). <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 9924-7                                     | 16.4 | 74   |
| 12 | Shape-Controlled Synthesis of Silver Nanoparticles for Plasmonic and Sensing Applications. <i>Plasmonics</i> , <b>2009</b> , 4, 171-179  | 2.4  | 290  |
| 11 | Gold nanocages covered by smart polymers for controlled release with near-infrared light. <i>Nature Materials</i> , <b>2009</b> , 8, 935-9   | 27   | 1232 |
| 10 | Gold and Nanotechnology. <i>Elements</i> , <b>2009</b> , 5, 309-313  | 3.8  | 19   |
| 9  | Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16975-16982  | 3.8  | 84   |
| 8  | Fine tuning the optical properties of Au-Ag nanocages by selectively etching Ag with oxygen and a water-soluble thiol. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6317-6320                             |      | 38   |
| 7  | Near-infrared gold nanocages as a new class of tracers for photoacoustic sentinel lymph node mapping on a rat model. <i>Nano Letters</i> , <b>2009</b> , 9, 183-8  | 11.5 | 332  |
| 6  | Measuring the Optical Absorption Cross-sections of Au-Ag Nanocages and Au Nanorods by Photoacoustic Imaging. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9023-9028                                     | 3.8  | 111  |
| 5  | Production of Ag nanocubes on a scale of 0.1 g per batch by protecting the NaHS-mediated polyol synthesis with argon. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 2044-8                          | 9.5  | 79   |
| 4  | Probing the surface-enhanced Raman scattering properties of Au-Ag nanocages at two different excitation wavelengths. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 5903-8                             | 3.6  | 104  |
| 3  | Synthesis of anatase TiO <sub>2</sub> nanocrystals with exposed {001} facets. <i>Nano Letters</i> , <b>2009</b> , 9, 2455-9  | 11.5 | 368  |
| 2  | Gold nanocages: synthesis, properties, and applications. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 1587-95  | 24.3 | 1191 |

- 1 Tailoring the Optical and Catalytic Properties of Gold-Silver Nanoboxes and Nanocages by Introducing Palladium. *Advanced Materials*, **2008**, 20, 748-752

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