

Claire M Cobley

List of Publications by Year in descending order

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43
papers

10,675
citations

172207

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35
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48
all docs

48
docs citations

48
times ranked

15149
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling the Synthesis and Assembly of Silver Nanostructures for Plasmonic Applications. <i>Chemical Reviews</i> , 2011, 111, 3669-3712.	23.0	2,410
2	Gold Nanocages: Synthesis, Properties, and Applications. <i>Accounts of Chemical Research</i> , 2008, 41, 1587-1595.	7.6	1,336
3	Gold nanocages covered by smart polymers for controlled release with near-infrared light. <i>Nature Materials</i> , 2009, 8, 935-939.	13.3	1,335
4	Gold Nanocages: From Synthesis to Theranostic Applications. <i>Accounts of Chemical Research</i> , 2011, 44, 914-924.	7.6	755
5	Gold nanostructures: a class of multifunctional materials for biomedical applications. <i>Chemical Society Reviews</i> , 2011, 40, 44-56.	18.7	727
6	<i>In Vivo</i> Molecular Photoacoustic Tomography of Melanomas Targeted by Bioconjugated Gold Nanocages. <i>ACS Nano</i> , 2010, 4, 4559-4564.	7.3	431
7	Synthesis of Anatase TiO ₂ Nanocrystals with Exposed {001} Facets. <i>Nano Letters</i> , 2009, 9, 2455-2459.	4.5	380
8	Near-Infrared Gold Nanocages as a New Class of Tracers for Photoacoustic Sentinel Lymph Node Mapping on a Rat Model. <i>Nano Letters</i> , 2009, 9, 183-188.	4.5	365
9	Shape-Controlled Synthesis of Silver Nanoparticles for Plasmonic and Sensing Applications. <i>Plasmonics</i> , 2009, 4, 171-179.	1.8	364
10	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> , 2010, 114, 12511-12516.	1.5	314
11	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. <i>Advanced Functional Materials</i> , 2010, 20, 3684-3694.	7.8	216
12	Engineering the properties of metal nanostructures via galvanic replacement reactions. <i>Materials Science and Engineering Reports</i> , 2010, 70, 44-62.	14.8	189
13	Targeting gold nanocages to cancer cells for photothermal destruction and drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 577-587.	2.4	163
14	Quantifying the Cellular Uptake of Antibody-Conjugated Au Nanocages by Two-Photon Microscopy and Inductively Coupled Plasma Mass Spectrometry. <i>ACS Nano</i> , 2010, 4, 35-42.	7.3	150
15	Bright Three-Photon Luminescence from Gold/Silver Alloyed Nanostructures for Bioimaging with Negligible Photothermal Toxicity. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3485-3488.	7.2	133
16	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. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6396-6400.	1.5	127
17	Surface-Enhanced Raman Scattering: Comparison of Three Different Molecules on Single-Crystal Nanocubes and Nanospheres of Silver. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3932-3939.	1.1	125
18	A Sinter-Resistant Catalytic System Based on Platinum Nanoparticles Supported on TiO ₂ Nanofibers and Covered by Porous Silica. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8165-8168.	7.2	125

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19	Measuring the Optical Absorption Cross Sections of Au@Ag Nanocages and Au Nanorods by Photoacoustic Imaging. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9023-9028.	1.5	120
20	Twin-Induced Growth of Palladium-Platinum Alloy Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6304-6308.	7.2	119
21	Probing the surface-enhanced Raman scattering properties of Au@Ag nanocages at two different excitation wavelengths. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5903.	1.3	108
22	Tailoring the Optical and Catalytic Properties of Gold-Silver Nanoboxes and Nanocages by Introducing Palladium. <i>Advanced Materials</i> , 2008, 20, 748-752.	11.1	95
23	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16975-16982.	1.5	92
24	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 & Interfaces</i> , 2009, 1, 2044-2048.	4.0	86
25	Probing the Photothermal Effect of Gold-Based Nanocages with Surface-Enhanced Raman Scattering (SERS). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9924-9927.	7.2	85
26	Etching and Growth: An Intertwined Pathway to Silver Nanocrystals with Exotic Shapes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4824-4827.	7.2	78
27	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> , 2012, 12, 4823-4829.	4.5	68
28	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> , 2009, 20, 434020.	1.3	67
29	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> , 2009, 19, 6317.	6.7	40
30	Gold and Nanotechnology. <i>Elements</i> , 2009, 5, 309-313.	0.5	23
31	Conopeptide-Functionalized Nanoparticles Selectively Antagonize Extrasynaptic N-Methyl-D-aspartate Receptors and Protect Hippocampal Neurons from Excitotoxicity In Vitro. <i>ACS Nano</i> , 2020, 14, 6866-6877.	7.3	10
32	The Role of Surface Nonuniformity in Controlling the Initiation of a Galvanic Replacement Reaction. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1479-1484.	1.7	7
33	Photoacoustic quantification of the optical absorption cross-sections of gold nanostructures. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
34	Engineering the optical properties of gold nanocages for biomedical applications. , 2010, , .		0
35	Advances in Experimental Cell Biology and Cell-Material Interactions. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , 87-105.	0.3	0
36	ChemNanoMat: A New Journal for Small Science with a Big Impact. <i>ChemNanoMat</i> , 2015, 1, 4-8.	1.5	0

#	ARTICLE	IF	CITATIONS
37	Off to a Strong Start. ChemNanoMat, 2016, 2, 3-4.	1.5	0
38	Three and Counting. ChemNanoMat, 2017, 3, 3-4.	1.5	0
39	Building on a Strong Foundation. ChemNanoMat, 2018, 4, 3-5.	1.5	0
40	Time to Celebrate. ChemNanoMat, 2020, 6, 2-3.	1.5	0
41	Introducing our Inaugural Early Career Advisory Board. ChemNanoMat, 2020, 6, 4-4.	1.5	0
42	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.	7.3	0
43	Lead-Free Semiconductors. ChemistryViews, 0, , .	0.0	0