

James Cheng-An Lin

List of Publications by Citations

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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.

50
papers

2,163
citations

19
h-index

46
g-index

59
ext. papers

2,339
ext. citations

4.6
avg, IF

4.11
L-index

#	Paper	IF	Citations
50	Synthesis, characterization, and bioconjugation of fluorescent gold nanoclusters toward biological labeling applications. <i>ACS Nano</i> , 2009 , 3, 395-401	16.7	642
49	Design of an amphiphilic polymer for nanoparticle coating and functionalization. <i>Small</i> , 2008 , 4, 334-41	11	387
48	Size Determination of (Bio)conjugated Water-Soluble Colloidal Nanoparticles: A Comparison of Different Techniques. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11552-11559	3.8	153
47	Fluorescent gold nanoclusters as a biocompatible marker for in vitro and in vivo tracking of endothelial cells. <i>ACS Nano</i> , 2011 , 5, 4337-44	16.7	146
46	Bioanalytics and biolabeling with semiconductor nanoparticles (quantum dots). <i>Journal of Materials Chemistry</i> , 2007 , 17, 1343-1346		99
45	Cytokine release from osteoblasts in response to ultrasound stimulation. <i>Biomaterials</i> , 2003 , 24, 2379-85	5.6	61
44	Recombination dynamics of luminescence in colloidal CdSe/ZnS quantum dots. <i>Nanotechnology</i> , 2005 , 16, 1517-1521	3.4	53
43	Laser-ablation production of graphene oxide nanostructures: from ribbons to quantum dots. <i>Nanoscale</i> , 2015 , 7, 2708-15	7.7	51
42	Comparison of ultrasound and electromagnetic field effects on osteoblast growth. <i>Ultrasound in Medicine and Biology</i> , 2006 , 32, 769-75	3.5	51
41	Optimum intensities of ultrasound for PGE(2) secretion and growth of osteoblasts. <i>Ultrasound in Medicine and Biology</i> , 2002 , 28, 683-90	3.5	42
40	Photoluminescence of colloidal CdSe/ZnS quantum dots under oxygen atmosphere. <i>IEEE Nanotechnology Magazine</i> , 2005 , 4, 632-636	2.6	41
39	Improvement of conversion efficiency for multi-junction solar cells by incorporation of Au nanoclusters. <i>Optics Express</i> , 2008 , 16, 15754-8	3.3	40
38	Origin of tunable photoluminescence from graphene quantum dots synthesized via pulsed laser ablation. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 22599-605	3.6	39
37	Synthesis of N-doped graphene quantum dots by pulsed laser ablation with diethylenetriamine (DETA) and their photoluminescence. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22395-22400	3.6	38
36	A Facile and Low-Cost Method to Enhance the Internal Quantum Yield and External Light-Extraction Efficiency for Flexible Light-Emitting Carbon-Dot Films. <i>Scientific Reports</i> , 2016 , 6, 19994	4.9	36
35	Single fluorescent gold nanoclusters. <i>Optics Express</i> , 2009 , 17, 16111-8	3.3	21
34	Non-Toxic Gold Nanoclusters for Solution-Processed White Light-Emitting Diodes. <i>Scientific Reports</i> , 2018 , 8, 8860	4.9	20

33	Study of Fluorescence Enhancement of Colloidal CdSe/ZnS Quantum Dots Bound to Hexadecylamine by Single-Molecule Measurements. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15166-15172	3.8	20
32	Engineering Ligand-Metal Charge Transfer States in Cross-Linked Gold Nanoclusters for Greener Luminescent Solar Concentrators with Solid-State Quantum Yields Exceeding 50% and Low Reabsorption Losses. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20019-20026	3.8	19
31	Rapid transformation of protein-caged nanomaterials into microbubbles as bimodal imaging agents. <i>ACS Nano</i> , 2012 , 6, 5111-21	16.7	19
30	Tracking of cellular uptake of hydrophilic CdSe/ZnS quantum dots/hydroxyapatite composites nanoparticles in MC3T3-E1 osteoblast cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2758-62	1.3	19
29	Photoinduced fluorescence enhancement in colloidal CdSeTe/ZnS core/shell quantum dots. <i>Applied Physics Letters</i> , 2008 , 92, 183108	3.4	18
28	Origins of excitation-wavelength-dependent photoluminescence in WS ₂ quantum dots. <i>Applied Physics Letters</i> , 2018 , 112, 092106	3.4	13
27	Application of Gold in Biomedicine: Past, Present and Future. <i>International Journal of Gerontology</i> , 2012 , 6, 1-4		13
26	Distance dependence of energy transfer from InGa _N quantum wells to graphene oxide. <i>Optics Letters</i> , 2013 , 38, 2897-9	3	13
25	Probing the photoluminescence properties of gold nanoclusters by fluorescence lifetime correlation spectroscopy. <i>Journal of Chemical Physics</i> , 2013 , 139, 234311	3.9	12
24	Recombination dynamics of photoluminescence in thiol-protected gold nanoclusters. <i>Applied Physics Letters</i> , 2009 , 95, 261911	3.4	10
23	. <i>Journal of Medical and Biological Engineering</i> , 2013 , 33, 23	2.2	10
22	Eco-friendly luminescent solar concentrators with low reabsorption losses and resistance to concentration quenching based on aqueous-solution-processed thiolate-gold nanoclusters. <i>Nanotechnology</i> , 2017 , 28, 375702	3.4	9
21	Solid-state, ambient-operation thermally activated delayed fluorescence from flexible, non-toxic gold-nanocluster thin films: towards the development of biocompatible light-emitting devices. <i>Nanotechnology</i> , 2016 , 27, 345701	3.4	8
20	Efficient energy transfer from InGa _N quantum wells to Ag nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3618-22	3.6	8
19	Enhanced Conversion Efficiency of III-V Triple-junction Solar Cells with Graphene Quantum Dots. <i>Scientific Reports</i> , 2016 , 6, 39163	4.9	8
18	Thermally-activated delayed fluorescence from biocompatible, solid-state gold nanoclusters embedded into ionic-crystal matrices. <i>Journal of Luminescence</i> , 2017 , 187, 269-273	3.8	6
17	Dihydrolipoic acid induces cytotoxicity in mouse blastocysts through apoptosis processes. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 3988-4002	6.3	6
16	Two new, near-infrared, fluorescent probes as potential tools for imaging bone repair. <i>Scientific Reports</i> , 2020 , 10, 2580	4.9	4

15	Impact of dihydrolipoic acid on mouse embryonic stem cells and related regulatory mechanisms. <i>Environmental Toxicology</i> , 2013 , 28, 87-97	4.2	4
14	Energy transfer from InGaN quantum wells to Au nanoclusters via optical waveguiding. <i>Optics Express</i> , 2011 , 19 Suppl 2, A194-200	3.3	3
13	Interrelation of transport and optical properties in gold nanoclusters. <i>Applied Physics Letters</i> , 2010 , 97, 123108	3.4	3
12	Synthesis and surface modification of highly fluorescent gold nanoclusters and their exploitation for cellular labeling 2010 ,		2
11	Site-selective photoluminescence in thiol-capped gold nanoclusters. <i>Applied Physics Letters</i> , 2012 , 100, 103102	3.4	2
10	QUANTUM DOT APPLICATIONS IN BIOTECHNOLOGY: PROGRESS AND CHALLENGES. <i>Annual Review of Nano Research</i> , 2006 , 467-530		2
9	A Perspective on Imiquimod Microneedles for Treating Warts. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
8	Dihydrolipoic acid-coated gold nanocluster bioactivity against senescence and inflammation through the mitochondria-mediated JNK/AP-1 pathway. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 36, 102427	6	2
7	Template-based formation of ultrasound microbubble contrast agents. <i>RSC Advances</i> , 2016 , 6, 69185-69190	3.9	1
6	From mono-PEGylation towards anti-nonspecific protein interaction: comparison of dihydrolipoic acid versus glutathione-capped fluorescent gold nanoclusters using gel electrophoresis. <i>Nanoscale</i> , 2020 , 12, 17786-17794	7.7	1
5	Oxygen Transfer to Tissue in Fluid Resuscitation. <i>IFMBE Proceedings</i> , 2015 , 17-20	0.2	
4	Pharmacokinetic/Hemodynamic Model for Propofol Concentration during Anesthesia. <i>IFMBE Proceedings</i> , 2015 , 21-24	0.2	
3	Waveguide based energy transfer with gold nanoclusters for detection of hydrogen peroxide. <i>RSC Advances</i> , 2014 , 4, 30392-30397	3.7	
2	Improving Performance of InGaN/GaN Light-Emitting Diodes and GaAs Solar Cells Using Luminescent Gold Nanoclusters. <i>Journal of Nanomaterials</i> , 2009 , 2009, 1-5	3.2	
1	Physical Way to Enhance the Quantum Yield and Analyze the Photostability of Fluorescent Gold Clusters. <i>IFMBE Proceedings</i> , 2009 , 867-869	0.2	