

Ru Liu

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.

40
papers

1,646
citations

20
h-index

40
g-index

42
ext. papers

1,832
ext. citations

8
avg, IF

4.11
L-index

#	Paper	IF	Citations
40	Indium oxide nanoparticles induce lung intercellular toxicity between bronchial epithelial cells and macrophages. <i>Journal of Applied Toxicology</i> , 2020 , 40, 1636-1646	4.1	3
39	Preparing dangling bonds by nanoholes on graphene oxide nanosheets and their enhanced magnetism.. <i>RSC Advances</i> , 2020 , 10, 36378-36385	3.7	4
38	Suppressing the Radiation-Induced Corrosion of Bismuth Nanoparticles for Enhanced Synergistic Cancer Radiophototherapy. <i>ACS Nano</i> , 2020 , 14, 13016-13029	16.7	24
37	Interaction Principle Between Coagulation Factor X and Fullerene Derivatives with Different Hydrophilic-Hydrophobic Properties for Anticoagulation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4603-4610	1.3	0
36	Quantitative Analysis of Multiple Proteins of Different Invasive Tumor Cell Lines at the Same Single-Cell Level. <i>Small</i> , 2018 , 14, e1703684	11	15
35	Specific detection and effective inhibition of a single bacterial species in situ using peptide mineralized Au cluster probes. <i>Science China Chemistry</i> , 2018 , 61, 627-634	7.9	9
34	The Precise Diagnosis of Cancer Invasion/Metastasis via 2D Laser Ablation Mass Mapping of Metalloproteinase in Primary Cancer Tissue. <i>ACS Nano</i> , 2018 , 12, 11139-11151	16.7	15
33	Lipid- and gut microbiota-modulating effects of graphene oxide nanoparticles in high-fat diet-induced hyperlipidemic mice.. <i>RSC Advances</i> , 2018 , 8, 31366-31371	3.7	9
32	Au nanoclusters suppress chronic lymphocytic leukaemia cells by inhibiting thioredoxin reductase 1 to induce intracellular oxidative stress and apoptosis. <i>Science Bulletin</i> , 2017 , 62, 537-545	10.6	10
31	Peptide-Au Cluster Probe: Precisely Detecting Epidermal Growth Factor Receptor of Three Tumor Cell Lines at a Single-Cell Level. <i>ACS Omega</i> , 2017 , 2, 276-282	3.9	10
30	Au Nanoclusters and Photosensitizer Dual Loaded Spatiotemporal Controllable Liposomal Nanocomposites Enhance Tumor Photodynamic Therapy Effect by Inhibiting Thioredoxin Reductase. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601453	10.1	22
29	Atomic structure of a peptide coated gold nanocluster identified using theoretical and experimental studies. <i>Nanoscale</i> , 2016 , 8, 11454-60	7.7	11
28	Peptide protected gold clusters: chemical synthesis and biomedical applications. <i>Nanoscale</i> , 2016 , 8, 12095-104	7.7	71
27	Label-free Au cluster used for in vivo 2D and 3D computed tomography of murine kidneys. <i>Analytical Chemistry</i> , 2015 , 87, 343-5	7.8	39
26	Ultrasmlal [(64)Cu]Cu nanoclusters for targeting orthotopic lung tumors using accurate positron emission tomography imaging. <i>ACS Nano</i> , 2015 , 9, 4976-86	16.7	93
25	Bio-inspired peptide-Au cluster applied for mercury (II) ions detection. <i>Science China Chemistry</i> , 2015 , 58, 819-824	7.9	16
24	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunsorbant Assay of Integrin Expression Level on Cell Membrane. <i>ACS Nano</i> , 2015 , 9, 10979-90	16.7	84

23	Facile approach to observe and quantify the α 5 β 1 integrin on a single-cell. <i>Analytical Chemistry</i> , 2015 , 87, 2546-9	7.8	47
22	The Au clusters induce tumor cell apoptosis via specifically targeting thioredoxin reductase 1 (TrxR1) and suppressing its activity. <i>Chemical Communications</i> , 2014 , 50, 10687-90	5.8	43
21	Detection of pH change in cytoplasm of live myocardial ischemia cells via the ssDNA-SWCNTs nanopores. <i>Analytical Chemistry</i> , 2014 , 86, 3048-52	7.8	20
20	Cytotoxicity and therapeutic effect of irinotecan combined with selenium nanoparticles. <i>Biomaterials</i> , 2014 , 35, 8854-8866	15.6	97
19	Spatially marking and quantitatively counting membrane immunoglobulin M in live cells via Ag cluster-aptamer probes. <i>Chemical Communications</i> , 2014 , 50, 3560-3	5.8	21
18	Plasmon-mediated generation of reactive oxygen species from near-infrared light excited gold nanocages for photodynamic therapy in vitro. <i>ACS Nano</i> , 2014 , 8, 7260-71	16.7	170
17	Embedded carbon nanotubes nanoparticles in plasma membrane induce cellular calcium outflow imbalancing. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 4058-65	1.3	2
16	Positively charged graphene oxide nanoparticle: precisely label the plasma membrane of live cell and sensitively monitor extracellular pH in situ. <i>Chemical Communications</i> , 2014 , 50, 3695-8	5.8	15
15	Hairpin oligonucleotides anchored terbium ion: a fluorescent probe to specifically detect lead(II) at sub-nM levels. <i>Analyst, The</i> , 2013 , 138, 2302-7	5	10
14	Blue two-photon fluorescence metal cluster probe precisely marking cell nuclei of two cell lines. <i>Chemical Communications</i> , 2013 , 49, 10724-6	5.8	51
13	Luminescent silver nanoclusters anchored by oligonucleotides detect human telomerase ribonucleic acid template. <i>Analyst, The</i> , 2013 , 138, 1338-41	5	21
12	Temporal techniques: dynamic tracking of nanomaterials in live cells. <i>Small</i> , 2013 , 9, 1585-94	11	15
11	RNase non-sensitive and endocytosis independent siRNA delivery system: delivery of siRNA into tumor cells and high efficiency induction of apoptosis. <i>Nanoscale</i> , 2013 , 5, 7256-64	7.7	9
10	Bifunctional peptides that precisely biomineralize Au clusters and specifically stain cell nuclei. <i>Chemical Communications</i> , 2012 , 48, 871-3	5.8	124
9	Surface functionalized gold nanorods: tracking and observing live cell via three optical signals. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6893-9	1.3	4
8	Serial silver clusters biomineralized by one peptide. <i>ACS Nano</i> , 2011 , 5, 8684-9	16.7	119
7	Ag cluster-aptamer hybrid: specifically marking the nucleus of live cells. <i>Chemical Communications</i> , 2011 , 47, 11960-2	5.8	90
6	Nanopores: quantitatively detecting the femtogram level of arsenite ions in live cells. <i>ACS Nano</i> , 2011 , 5, 5560-5	16.7	16

5	Sorting the unique chirality, right handed single wall carbon nanotubes via the dye modified ssDNA. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7587-92	1.3	1
4	Ag nanoparticles coated SWCNT with surface enhanced Raman scattering (SERS) signals. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8538-43	1.3	5
3	Bio-distribution and metabolic paths of silica coated CdSeS quantum dots. <i>Toxicology and Applied Pharmacology</i> , 2008 , 230, 364-71	4.6	135
2	Age-related differences in pulmonary and cardiovascular responses to SiO ₂ nanoparticle inhalation: nanotoxicity has susceptible population. <i>Environmental Science & Technology</i> , 2008 , 42, 8985-92	10.3	109
1	Detection of trace Hg ²⁺ via induced circular dichroism of DNA wrapped around single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9190-1	16.4	87