Liang Gao

List of Publications by Year
in descending order

62	6,606	136950 32	114465 63
papers	citations	h-index	g-index

63	63	63	7448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On-Cell Catalytic Detection of Epithelial-to-Mesenchymal Transition by a Clusterzyme Bioprobe. Analytical Chemistry, 2022, 94, 3023-3028.	6.5	4
2	Application of nanomaterials in the treatment of rheumatoid arthritis. RSC Advances, 2021, 11, 7129-7137.	3.6	29
3	Metal Cluster-Based Electrochemical Biosensing System for Detecting Epithelial-to-Mesenchymal Transition. ACS Sensors, 2021, 6, 2290-2298.	7.8	7
4	Gold Cluster Capped with a BCL-2 Antagonistic Peptide Exerts Synergistic Antitumor Activity in Chronic Lymphocytic Leukemia Cells. ACS Applied Materials & Interfaces, 2021, 13, 21108-21118.	8.0	6
5	Trp2 Peptide-Assembled Nanoparticles with Intrinsically Self-Chelating 64Cu Properties for PET Imaging Tracking and Dendritic Cell-Based Immunotherapy against Melanoma. ACS Applied Bio Materials, 2021, 4, 5707-5716.	4.6	9
6	Catalytic Clusterbody for Enhanced Quantitative Protein Immunoblot. Analytical Chemistry, 2021, 93, 10807-10815.	6.5	10
7	Inherently PET/CT Dual Modality Imaging Lipid Nanocapsules for Early Detection of Orthotopic Lung Tumors. ACS Applied Bio Materials, 2020, 3, 611-621.	4.6	7
8	An artificial metalloenzyme for catalytic cancer-specific DNA cleavage and operando imaging. Science Advances, 2020, 6, eabb1421.	10.3	56
9	A chlorin-lipid nanovesicle nucleus drug for amplified therapeutic effects of lung cancer by internal radiotherapy combined with the Cerenkov radiation-induced photodynamic therapy. Biomaterials Science, 2020, 8, 4841-4851.	5.4	16
10	Peptide and protein modified metal clusters for cancer diagnostics. Chemical Science, 2020, 11, 5614-5629.	7.4	28
11	Is GSH Chelated Pt Molecule Inactive in Antiâ€Cancer Treatment? A Case Study of Pt₆GS₄. Small, 2020, 16, e2002044.	10.0	10
12	Noble-metal nanocluster as enzyme-mimetic catalyst for diagnostic analysis. Science China Technological Sciences, 2019, 62, 2306-2309.	4.0	4
13	Gold Clusters Prevent Inflammation-Induced Bone Erosion through Inhibiting the Activation of NF-ÎºB Pathway. Theranostics, 2019, 9, 1825-1836.	10.0	32
14	Surface-Functionalized Modified Copper Sulfide Nanoparticles Enhance Checkpoint Blockade Tumor Immunotherapy by Photothermal Therapy and Antigen Capturing. ACS Applied Materials & Interfaces, 2019, 11, 13964-13972.	8.0	105
15	Au Clusters Treat Rheumatoid Arthritis with Uniquely Reversing Cartilage/Bone Destruction. Advanced Science, 2019, 6, 1801671.	11.2	60
16	Turning On/Off the Anti-Tumor Effect of the Au Cluster via Atomically Controlling Its Molecular Size. ACS Nano, 2018, 12, 4378-4386.	14.6	34
17	Effect of Alkylsilyl Sideâ€Chain Structure on Photovoltaic Properties of Conjugated Polymer Donors. Advanced Energy Materials, 2018, 8, 1702324.	19.5	102
18	Peptide-Templated Gold Clusters as Enzyme-Like Catalyst Boost Intracellular Oxidative Pressure and Induce Tumor-Specific Cell Apoptosis. Nanomaterials, 2018, 8, 1040.	4.1	10

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19	The Precise Diagnosis of Cancer Invasion/Metastasis via 2D Laser Ablation Mass Mapping of Metalloproteinase in Primary Cancer Tissue. ACS Nano, 2018, 12, 11139-11151.	14.6	29
20	Highâ€Efficiency Allâ€Smallâ€Molecule Organic Solar Cells Based on an Organic Molecule Donor with Alkylsilylâ€Thienyl Conjugated Side Chains. Advanced Materials, 2018, 30, e1706361.	21.0	154
21	Biomimetic construction of protein-conjugated gold clusters for detecting Hg2+. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 518, 80-84.	4.7	13
22	High Efficiency Ternary Nonfullerene Polymer Solar Cells with Two Polymer Donors and an Organic Semiconductor Acceptor. Advanced Energy Materials, 2017, 7, 1602215.	19.5	92
23	Au nanoclusters suppress chronic lymphocytic leukaemia cells by inhibiting thioredoxin reductase 1 to induce intracellular oxidative stress and apoptosis. Science Bulletin, 2017, 62, 537-545.	9.0	17
24	Peptideâ€“Au Cluster Probe: Precisely Detecting Epidermal Growth Factor Receptor of Three Tumor Cell Lines at a Single-Cell Level. ACS Omega, 2017, 2, 276-282.	3.5	16
25	n-Type conjugated electrolytes cathode interlayer with thickness-insensitivity for highly efficient organic solar cells. Journal of Materials Chemistry A, 2017, 5, 13807-13816.	10.3	39
26	Peptide-Au Clusters Induced Tumor Cells Apoptosis via Targeting Glutathione Peroxidase-1: The Molecular Dynamics Assisted Experimental Studies. Scientific Reports, 2017, 7, 131.	3.3	20
27	A new polymer acceptor containing naphthalene diimide and 1,3,4â€thiadiazole for allâ€polymer solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 990-996.	2.1	15
28	Au Nanoclusters and Photosensitizer Dual Loaded Spatiotemporal Controllable Liposomal Nanocomposites Enhance Tumor Photodynamic Therapy Effect by Inhibiting Thioredoxin Reductase. Advanced Healthcare Materials, 2017, 6, 1601453.	7.6	30
29	Side Chain Engineering on Medium Bandgap Copolymers to Suppress Triplet Formation for Highâ€Efficiency Polymer Solar Cells. Advanced Materials, 2017, 29, 1703344.	21.0	209
30	Medium Bandgap Polymer Donor Based on Bi(trialkylsilylthienylâ€benzo[1,2â€b:4,5â€bâ€²]â€difuran) for High Performance Nonfullerene Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1700746.	19.5	72
31	Naphthalenediimideâ€altâ€Fused Thiophene Dâ€“A Copolymers for the Application as Acceptor in Allâ€Polymer Solar Cells. Chemistry - an Asian Journal, 2016, 11, 2785-2791.	3.3	18
32	11.4% Efficiency non-fullerene polymer solar cells with trialkylsilyl substituted 2D-conjugated polymer as donor. Nature Communications, 2016, 7, 13651.	12.8	917
33	Atomic structure of a peptide coated gold nanocluster identified using theoretical and experimental studies. Nanoscale, 2016, 8, 11454-11460.	5.6	16
34	Peptide protected gold clusters: chemical synthesis and biomedical applications. Nanoscale, 2016, 8, 12095-12104.	5.6	97
35	Alkoxy substituted benzodithiophene-alt-fluorobenzotriazole copolymer as donor in non-fullerene polymer solar cells. Science China Chemistry, 2016, 59, 1317-1322.	8.2	26
36	Photocontrolled Reversible Luminescent Lanthanide Molecular Switch Based on a Diaryletheneâ€“Europium Dyad. Inorganic Chemistry, 2016, 55, 7962-7968.	4.0	44

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37	Highâ€Efficiency Nonfullerene Polymer Solar Cells with Medium Bandgap Polymer Donor and Narrow Bandgap Organic Semiconductor Acceptor. Advanced Materials, 2016, 28, 8288-8295.	21.0	247
38	Folate-Conjugated Magnetic Nanoparticles for Tumor Hyperthermia Therapy: In Vitro and In Vivo Studies. Journal of Nanoscience and Nanotechnology, 2016, 16, 8352-8359.	0.9	4
39	Side-Chain Isomerization on an n-type Organic Semiconductor ITIC Acceptor Makes 11.77% High Efficiency Polymer Solar Cells. Journal of the American Chemical Society, 2016, 138, 15011-15018.	13.7	826
40	Allâ€Polymer Solar Cells Based on Absorptionâ€Complementary Polymer Donor and Acceptor with High Power Conversion Efficiency of 8.27%. Advanced Materials, 2016, 28, 1884-1890.	21.0	670
41	Non-Fullerene Polymer Solar Cells Based on Alkylthio and Fluorine Substituted 2D-Conjugated Polymers Reach 9.5% Efficiency. Journal of the American Chemical Society, 2016, 138, 4657-4664.	13.7	743
42	Indacenodithienothiopheneâ€“naphthalene diimide copolymer as an acceptor for all-polymer solar cells. Journal of Materials Chemistry A, 2016, 4, 5810-5816.	10.3	66
43	Facile Approach To Observe and Quantify the Îł_{IIb}Î²₃ Integrin on a Single-Cell. Analytical Chemistry, 2015, 87, 2546-2549.	6.5	53
44	Label-Free Au Cluster Used for in Vivo 2D and 3D Computed Tomography of Murine Kidneys. Analytical Chemistry, 2015, 87, 343-345.	6.5	48
45	Ultrasmall [⁶⁴Cu]Cu Nanoclusters for Targeting Orthotopic Lung Tumors Using Accurate Positron Emission Tomography Imaging. ACS Nano, 2015, 9, 4976-4986.	14.6	108
46	Bio-inspired peptide-Au cluster applied for mercury (II) ions detection. Science China Chemistry, 2015, 58, 819-824.	8.2	18
47	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunsorbant Assay of Integrin Expression Level on Cell Membrane. ACS Nano, 2015, 9, 10979-10990.	14.6	99
48	Detection of pH Change in Cytoplasm of Live Myocardial Ischemia Cells via the ssDNA-SWCNTs Nanoprobes. Analytical Chemistry, 2014, 86, 3048-3052.	6.5	24
49	Cytotoxicity and therapeutic effect of irinotecan combined with selenium nanoparticles. Biomaterials, 2014, 35, 8854-8866.	11.4	118
50	Spatially marking and quantitatively counting membrane immunoglobulin M in live cells via Ag clusterâ€“aptamer probes. Chemical Communications, 2014, 50, 3560.	4.1	24
51	Plasmon-Mediated Generation of Reactive Oxygen Species from Near-Infrared Light Excited Gold Nanocages for Photodynamic Therapy in Vitro. ACS Nano, 2014, 8, 7260-7271.	14.6	223
52	Positively charged graphene oxide nanoparticle: precisely label the plasma membrane of live cell and sensitively monitor extracellular pH in situ. Chemical Communications, 2014, 50, 3695-3698.	4.1	17
53	High-performance flexible ultraviolet photoconductors based on solution-processed ultrathin ZnO/Au nanoparticle composite films. Scientific Reports, 2014, 4, 4268.	3.3	153
54	Blue two-photon fluorescence metal cluster probe precisely marking cell nuclei of two cell lines. Chemical Communications, 2013, 49, 10724.	4.1	58

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55	Hypocrellin-Loaded Gold Nanocages with High Two-Photon Efficiency for Photothermal/Photodynamic Cancer Therapy in Vitro. ACS Nano, 2012, 6, 8030-8040.	14.6	311
56	pHâ€•and Redoxâ€Responsive Polysaccharideâ€Based Microcapsules with Autofluorescence for Biomedical Applications. Chemistry - A European Journal, 2012, 18, 3185-3192.	3.3	102
57	Large-scale preparation of 3D self-assembled iron hydroxide and oxide hierarchical nanostructures and their applications for water treatment. Journal of Materials Chemistry, 2011, 21, 11742.	6.7	116
58	Selective Recognition of Coâ€assembled Thrombin Aptamer and Docetaxel on Mesoporous Silica Nanoparticles against Tumor Cell Proliferation. Chemistry - A European Journal, 2011, 17, 13170-13174.	3.3	45
59	Nonaqueous microemulsion-containing ionic liquid [bmim][PF6] as polar microenvironment. Colloid and Polymer Science, 2005, 283, 1371-1375.	2.1	65
60	Phase Behaviors, Density, and Isothermal Compressibility of Styrene + CO2, Ethylbenzene + CO2, and Ethylbezene + Styrene + CO2 Systems. Journal of Chemical & Engineering Data, 2005, 50, 1818-1822.	1.9	14
61	Selective oxidation of cyclohexane in compressed CO2 and in liquid solvents over MnAPO-5 molecular sieve. Green Chemistry, 2002, 4, 426-430.	9.0	32
62	Wacker oxidation of 1-hexene in 1-n-butyl-3-methylimidazolium hexafluorophosphate ([bmim][PF6]), supercritical (SC) CO2, and SC CO2/[bmim][PF6] mixed solvent. New Journal of Chemistry, 2002, 26, 1246-1248.	2.8	68