

Xiaonan Gao

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,777
citations

304368

22
h-index

276539

41
g-index

52
all docs

52
docs citations

52
times ranked

2602
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Au Se bonded nanoprobe for specific detection of thrombin in lung cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130999.	4.0	1
2	A simple, rapid and low-cost qPCR assay for evaluating the severity of exosomal PD-L1-mediated T cell exhaustion in blood samples. <i>Chemical Communications</i> , 2022, 58, 831-834.	2.2	2
3	Acid-driven aggregation of selenol-functionalized zwitterionic gold nanoparticles improves the photothermal treatment efficacy of tumors. <i>Materials Chemistry Frontiers</i> , 2022, 6, 775-782.	3.2	2
4	Au- ⁶⁵ Se bonded nanoprobe for prostate specific antigen detection in serum. <i>Analytica Chimica Acta</i> , 2022, 1210, 339852.	2.6	4
5	Visualization of the process: selenocysteine activates GPX4 in ferroptosis based on a nano-fluorescent probe. <i>Science China Chemistry</i> , 2022, 65, 1286-1290.	4.2	4
6	Tricolor imaging of MMPs to investigate the promoting roles of inflammation on invasion and migration of tumor cells. <i>Talanta</i> , 2021, 222, 121525.	2.9	13
7	Fishing out Methionine-Containing Proteins from Complex Biological Systems Based on a Non-Enzymatic Biochemical Reaction. <i>Nano Letters</i> , 2021, 21, 209-215.	4.5	4
8	Hydrogen selenide, a vital metabolite of sodium selenite, uncouples the sulfilimine bond and promotes the reversal of liver fibrosis. <i>Science China Life Sciences</i> , 2021, 64, 443-451.	2.3	7
9	Real-time in situ monitoring of Lon and Caspase-3 for assessing the state of cardiomyocytes under hypoxic conditions via a novel Au- ⁶⁵ Se fluorescent nanoprobe. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112965.	5.3	8
10	A mitochondria-targeting near-infrared fluorescent probe for imaging hypochlorous acid in cells. <i>Talanta</i> , 2021, 226, 122152.	2.9	37
11	A Mitochondrial-Targeting Near-Infrared Fluorescent Probe for Revealing the Effects of Hydrogen Peroxide And Heavy Metal Ions on Viscosity. <i>Analytical Chemistry</i> , 2021, 93, 9244-9249.	3.2	51
12	Monitoring the Activation of Caspases-1/3/4 for Describing the Pyroptosis Pathways of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 12022-12031.	3.2	9
13	Se-modified gold nanorods for enhancing the efficiency of photothermal therapy: avoiding the off-target problem induced by biothiols. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8832-8841.	2.9	3
14	Real-time in situ monitoring of signal molecules's evolution in apoptotic pathway via Au- ⁶⁵ Se bond constructed nanoprobe. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111755.	5.3	18
15	Simultaneous bioimaging of MMP-2 and MMP-7 via Au-Se constructed fluorescence nanoprobe. <i>Science China Chemistry</i> , 2020, 63, 135-140.	4.2	4
16	A differential study on oxidized/reduced ascorbic acid induced tumor cells' apoptosis under hypoxia. <i>Analyst</i> , 2020, 145, 6363-6368.	1.7	4
17	Reconstruction of nano-flares based on Au- ⁶⁵ Se bonds for high-fidelity detection of RNA in living cells. <i>Chemical Communications</i> , 2020, 56, 5178-5181.	2.2	12
18	Homotypic cell membrane-cloaked biomimetic nanocarrier for the accurate photothermal-chemotherapy treatment of recurrent hepatocellular carcinoma. <i>Journal of Nanobiotechnology</i> , 2020, 18, 60.	4.2	13

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19	Ascorbic acid induced HepG2 cells' apoptosis <i>via</i> intracellular reductive stress. <i>Theranostics</i> , 2019, 9, 4233-4240.	4.6	24
20	Homotypic Cell Membrane-Cloaked Biomimetic Nanocarrier for the Targeted Chemotherapy of Hepatocellular Carcinoma. <i>Theranostics</i> , 2019, 9, 5828-5838.	4.6	47
21	Effective Separation of Enantiomers Based on Novel Chiral Hierarchical Porous Metal-Organic Gels. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800862.	2.0	9
22	Unique Topology Analysis by ToposPro for a Metal-Organic Framework with Multiple Coordination Centers. <i>Inorganic Chemistry</i> , 2019, 58, 3099-3106.	1.9	8
23	A fluorescent probe for simultaneously sensing NTR and hNQO1 and distinguishing cancer cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6822-6827.	2.9	23
24	Dicyanoisophorone-Based Near-Infrared-Emission Fluorescent Probe for Detecting NAD(P)H in Living Cells and in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 1368-1374.	3.2	61
25	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nano-MOF with Cu ^{II} as the Active Center. <i>Angewandte Chemie</i> , 2018, 130, 4985-4990.	1.6	70
26	Au-Se-Bond-Based Nanoprobe for Imaging MMP-2 in Tumor Cells under a High-Thiol Environment. <i>Analytical Chemistry</i> , 2018, 90, 4719-4724.	3.2	67
27	A mitochondria-targeted nanoradiosensitizer activating reactive oxygen species burst for enhanced radiation therapy. <i>Chemical Science</i> , 2018, 9, 3159-3164.	3.7	75
28	Reversing Multidrug Resistance by Multiplexed Gene Silencing for Enhanced Breast Cancer Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15461-15466.	4.0	55
29	Avoiding Thiol Compound Interference: A Nanoplatfrom Based on High-Fidelity Au-Se Bonds for Biological Applications. <i>Angewandte Chemie</i> , 2018, 130, 5404-5407.	1.6	22
30	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nano-MOF with Cu ^{II} as the Active Center. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4891-4896.	7.2	259
31	A Highly Sensitive Strategy for Fluorescence Imaging of MicroRNA in Living Cells and in Vivo Based on Graphene Oxide-Enhanced Signal Molecules Quenching of Molecular Beacon. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6982-6990.	4.0	71
32	Targetable Mesoporous Silica Nanoprobes for Mapping the Subcellular Distribution of H ₂ Se in Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17345-17351.	4.0	8
33	Avoiding Thiol Compound Interference: A Nanoplatfrom Based on High-Fidelity Au-Se Bonds for Biological Applications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5306-5309.	7.2	100
34	Crystal structure of di-1/4 ₂ -aqua-tetraaqua-bis(4-(1 <i>H</i> -1,2,4-triazol-1-yl)benzoato- ^{δ-} N)disodium(I) C ₁₈ H ₂₄ N ₆ Na ₂ O ₁₀ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 965-966.	0.1	1
35	Double-ratiometric fluorescence imaging of H ₂ Se and O ₂ ^E ™ under hypoxia for exploring Na ₂ SeO ₃ -induced HepG2 cells' apoptosis. <i>RSC Advances</i> , 2018, 8, 40984-40988.	1.7	6
36	Rheological and thermo-responsive characteristics of the mixed aqueous solution of gemini cationic surfactant and hydroxyl naphthalene carboxylic acid sodium. <i>Soft Materials</i> , 2018, 16, 303-314.	0.8	1

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37	Cyclic Regulation of the Sulfilimine Bond in Peptides and NC1 Hexamers via the HOBr/H ₂ Se Conjugated System. <i>Analytical Chemistry</i> , 2018, 90, 9523-9528.	3.2	12
38	A graphene-based fluorescent nanoprobe for simultaneous monitoring of miRNA and mRNA in living cells. <i>Nanoscale</i> , 2018, 10, 14264-14271.	2.8	54
39	Treatment of hyperphosphatemia based on specific interactions between phosphorus and Zr(^{IV}) active centers of nano-MOFs. <i>Chemical Science</i> , 2018, 9, 7483-7487.	3.7	16
40	Nuclear-Targeted Photothermal Therapy Prevents Cancer Recurrence with Near-Infrared Triggered Copper Sulfide Nanoparticles. <i>ACS Nano</i> , 2018, 12, 5197-5206.	7.3	213
41	A DNA Tetrahedron Nanoprobe with Controlled Distance of Dyes for Multiple Detection in Living Cells and in Vivo. <i>Analytical Chemistry</i> , 2017, 89, 6670-6677.	3.2	64
42	Asymmetric Intermolecular Rauhoff-Curtius Reaction for the Construction of 3,3-Disubstituted Oxindoles with Quaternary Stereogenic Centers. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3934-3939.	2.1	42
43	Visualizing Breast Cancer Cell Proliferation and Invasion for Assessing Drug Efficacy with a Fluorescent Nanoprobe. <i>Analytical Chemistry</i> , 2017, 89, 10601-10607.	3.2	27
44	Shape-Asymmetry Supramolecular Isomerism in Asymmetrical Ligand PCPs and the Expression Method of Three-Level Isomerism. <i>Inorganic Chemistry</i> , 2016, 55, 4330-4334.	1.9	14
45	Direct Cross-Linking of Au/Ag Alloy Nanoparticles into Monolithic Aerogels for Application in Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13076-13085.	4.0	41
46	Synthesis of silicon dioxide, silicon, and silicon carbide mesoporous spheres from polystyrene sphere templates. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 575-584.	1.1	4
47	Oxidation-Induced Self-Assembly of Ag Nanoshells into Transparent and Opaque Ag Hydrogels and Aerogels. <i>Journal of the American Chemical Society</i> , 2014, 136, 7993-8002.	6.6	92
48	Salt-Mediated Self-Assembly of Metal Nanoshells into Monolithic Aerogel Frameworks. <i>Chemistry of Materials</i> , 2013, 25, 3528-3534.	3.2	75
49	Selective Recognition of Uracil and Its Derivatives Using a DNA Repair Enzyme Structural Mimic. <i>Journal of Organic Chemistry</i> , 2010, 75, 324-333.	1.7	19
50	Bis(^{1/4} -N-acetyl-N-phenylglycinato- ²⁻ O) ₂ bis[dinitrato- ⁴⁻ O] ₂ -bis(1,10-phenanthroline- ²⁻ N,N) ₂ lanthanum(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m59-m59.	0.2	1