Xiaonan Gao

List of Publications by Year
in descending order

50 papers	1,777 citations	304743 22 h-index	265206 42 g-index
52 all docs	52 docs citations	52 times ranked	2602 citing authors

#	Article	IF	Citations
1	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nanoâ€MOF with Cu^{II} as the Active Center. Angewandte Chemie - International Edition, 2018, 57, 4891-4896.	13.8	259
2	Nuclear-Targeted Photothermal Therapy Prevents Cancer Recurrence with Near-Infrared Triggered Copper Sulfide Nanoparticles. ACS Nano, 2018, 12, 5197-5206.	14.6	213
3	Avoiding Thiol Compound Interference: A Nanoplatform Based on Highâ€Fidelity Auâ€“Se Bonds for Biological Applications. Angewandte Chemie - International Edition, 2018, 57, 5306-5309.	13.8	100
4	Oxidation-Induced Self-Assembly of Ag Nanoshells into Transparent and Opaque Ag Hydrogels and Aerogels. Journal of the American Chemical Society, 2014, 136, 7993-8002.	13.7	92
5	Salt-Mediated Self-Assembly of Metal Nanoshells into Monolithic Aerogel Frameworks. Chemistry of Materials, 2013, 25, 3528-3534.	6.7	75
6	A mitochondria-targeted nanoradiosensitizer activating reactive oxygen species burst for enhanced radiation therapy. Chemical Science, 2018, 9, 3159-3164.	7.4	75
7	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. ACS Applied Materials & Interfaces, 2018, 10, 6982-6990.	8.0	71
8	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nanoâ€MOF with Cu^{II} as the Active Center. Angewandte Chemie, 2018, 130, 4985-4990.	2.0	70
9	Auâ€“Se-Bond-Based Nanoprobe for Imaging MMP-2 in Tumor Cells under a High-Thiol Environment. Analytical Chemistry, 2018, 90, 4719-4724.	6.5	67
10	A DNA Tetrahedron Nanoprobe with Controlled Distance of Dyes for Multiple Detection in Living Cells and in Vivo. Analytical Chemistry, 2017, 89, 6670-6677.	6.5	64
11	Dicyanoisophorone-Based Near-Infrared-Emission Fluorescent Probe for Detecting NAD(P)H in Living Cells and in Vivo. Analytical Chemistry, 2019, 91, 1368-1374.	6.5	61
12	Reversing Multidrug Resistance by Multiplexed Gene Silencing for Enhanced Breast Cancer Chemotherapy. ACS Applied Materials & Interfaces, 2018, 10, 15461-15466.	8.0	55
13	A graphene-based fluorescent nanoprobe for simultaneous monitoring of miRNA and mRNA in living cells. Nanoscale, 2018, 10, 14264-14271.	5.6	54
14	A Mitochondrial-Targeting Near-Infrared Fluorescent Probe for Revealing the Effects of Hydrogen Peroxide And Heavy Metal Ions on Viscosity. Analytical Chemistry, 2021, 93, 9244-9249.	6.5	51
15	Homotypic Cell Membrane-Cloaked Biomimetic Nanocarrier for the Targeted Chemotherapy of Hepatocellular Carcinoma. Theranostics, 2019, 9, 5828-5838.	10.0	47
16	Asymmetric Intermolecular Rauhutâ€“Currier Reaction for the Construction of 3,3â€Disubstituted Oxindoles with Quaternary Stereogenic Centers. Advanced Synthesis and Catalysis, 2017, 359, 3934-3939.	4.3	42
17	Direct Cross-Linking of Au/Ag Alloy Nanoparticles into Monolithic Aerogels for Application in Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2016, 8, 13076-13085.	8.0	41
18	A mitochondria-targeting near-infrared fluorescent probe for imaging hypochlorous acid in cells. Talanta, 2021, 226, 122152.	5.5	37

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19	Visualizing Breast Cancer Cell Proliferation and Invasion for Assessing Drug Efficacy with a Fluorescent Nanoprobe. Analytical Chemistry, 2017, 89, 10601-10607.	6.5	27
20	Ascorbic acid induced HepG2 cells' apoptosis via intracellular reductive stress. Theranostics, 2019, 9, 4233-4240.	10.0	24
21	A fluorescent probe for simultaneously sensing NTR and hNQO1 and distinguishing cancer cells. Journal of Materials Chemistry B, 2019, 7, 6822-6827.	5.8	23
22	Avoiding Thiol Compound Interference: A Nanoplatform Based on Highâ€Fidelity Auâ€“Se Bonds for Biological Applications. Angewandte Chemie, 2018, 130, 5404-5407.	2.0	22
23	Selective Recognition of Uracil and Its Derivatives Using a DNA Repair Enzyme Structural Mimic. Journal of Organic Chemistry, 2010, 75, 324-333.	3.2	19
24	Real-time in situ monitoring of signal moleculesâ€™ evolution in apoptotic pathway via Auâ€“Se bond constructed nanoprobe. Biosensors and Bioelectronics, 2020, 147, 111755.	10.1	18
25	Treatment of hyperphosphatemia based on specific interactions between phosphorus and Zr(<scp>iv</scp>) active centers of nano-MOFs. Chemical Science, 2018, 9, 7483-7487.	7.4	16
26	Shape-Asymmetry Supramolecular Isomerism in Asymmetrical Ligand PCPs and the Expression Method of Three-Level Isomerism. Inorganic Chemistry, 2016, 55, 4330-4334.	4.0	14
27	Homotypic cell membrane-cloaked biomimetic nanocarrier for the accurate photothermal-chemotherapy treatment of recurrent hepatocellular carcinoma. Journal of Nanobiotechnology, 2020, 18, 60.	9.1	13
28	Tricolor imaging of MMPs to investigate the promoting roles of inflammation on invasion and migration of tumor cells. Talanta, 2021, 222, 121525.	5.5	13
29	Cyclic Regulation of the Sulfilimine Bond in Peptides and NC1 Hexamers via the HOBr/H₂Se Conjugated System. Analytical Chemistry, 2018, 90, 9523-9528.	6.5	12
30	Reconstruction of nano-flares based on Auâ€“Se bonds for high-fidelity detection of RNA in living cells. Chemical Communications, 2020, 56, 5178-5181.	4.1	12
31	Effective Separation of Enantiomers Based on Novel Chiral Hierarchical Porous Metalâ€Organic Gels. Macromolecular Rapid Communications, 2019, 40, e1800862.	3.9	9
32	Monitoring the Activation of Caspases-1/3/4 for Describing the Pyroptosis Pathways of Cancer Cells. Analytical Chemistry, 2021, 93, 12022-12031.	6.5	9
33	Targetable Mesoporous Silica Nanoprobes for Mapping the Subcellular Distribution of H₂Se in Cancer Cells. ACS Applied Materials & Interfaces, 2018, 10, 17345-17351.	8.0	8
34	Unique Topology Analysis by ToposPro for a Metalâ€“Organic Framework with Multiple Coordination Centers. Inorganic Chemistry, 2019, 58, 3099-3106.	4.0	8
35	Real-time in situ monitoring of Lon and Caspase-3 for assessing the state of cardiomyocytes under hypoxic conditions via a novel Auâ€“Se fluorescent nanoprobe. Biosensors and Bioelectronics, 2021, 176, 112965.	10.1	8
36	Hydrogen selenide, a vital metabolite of sodium selenite, uncouples the sulfilimine bond and promotes the reversal of liver fibrosis. Science China Life Sciences, 2021, 64, 443-451.	4.9	7

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37	Double-ratiometric fluorescence imaging of H₂Se and O₂Ë™^{â^'} under hypoxia for exploring Na₂SeO₃-induced HepG2 cells' apoptosis. RSC Advances, 2018, 8, 40984-40988.	3.6	6
38	Synthesis of silicon dioxide, silicon, and silicon carbide mesoporous spheres from polystyrene sphere templates. Journal of Sol-Gel Science and Technology, 2015, 74, 575-584.	2.4	4
39	Simultaneous bioimaging of MMP-2 and MMP-7 via Au-Se constructed fluorescence nanoprobe. Science China Chemistry, 2020, 63, 135-140.	8.2	4
40	A differential study on oxidized/reduced ascorbic acid induced tumor cellsâ€™ apoptosis under hypoxia. Analyst, The, 2020, 145, 6363-6368.	3.5	4
41	Fishing out Methionine-Containing Proteins from Complex Biological Systems Based on a Non-Enzymatic Biochemical Reaction. Nano Letters, 2021, 21, 209-215.	9.1	4
42	Auâ€“Se bonded nanoprobe for prostate specific antigen detection in serum. Analytica Chimica Acta, 2022, 1210, 339852.	5.4	4
43	Visualization of the process: selenocysteine activates GPX4 in ferroptosis based on a nano-fluorescent probe. Science China Chemistry, 2022, 65, 1286-1290.	8.2	4
44	Se-modified gold nanorods for enhancing the efficiency of photothermal therapy: avoiding the off-target problem induced by biothiols. Journal of Materials Chemistry B, 2021, 9, 8832-8841.	5.8	3
45	A simple, rapid and low-cost qPCR assay for evaluating the severity of exosomal PD-L1-mediated T cell exhaustion in blood samples. Chemical Communications, 2022, 58, 831-834.	4.1	2
46	Acid-driven aggregation of selenol-functionalized zwitterionic gold nanoparticles improves the photothermal treatment efficacy of tumors. Materials Chemistry Frontiers, 2022, 6, 775-782.	5.9	2
47	Crystal structure of di-Î¼₂-aqua-tetraaqua-bis(4-(1H-1,2,4-triazol-1-yl)benzoato-ÎºN)disodium(I) C₁₈H₂₄N₆Na₂O₁₀. Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 965-966.	0.3	1
48	Rheological and thermo-responsive characteristics of the mixed aqueous solution of gemini cationic surfactant and hydroxyl naphthalene carboxylic acid sodium. Soft Materials, 2018, 16, 303-314.	1.7	1
49	Bis(Î¼-N-acetyl-N-phenylglycinato-Îº2O:Oâ€²)bis[dinitrato-Îº4O,Oâ€²-bis(1,10-phenanthroline-Îº2N,Nâ€²)lanthanum(III)]. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m59-m59.	0.2	1
50	Synthesis of Au Se bonded nanoprobe for specific detection of thrombin in lung cancer cells. Sensors and Actuators B: Chemical, 2022, 352, 130999.	7.8	1